

ACADEMIC SENATE: EXECUTIVE COMMITTEE

AGENDA

TUESDAY, MAY 2, 2023

10:00 A.M. – 11:30 A.M.

LOCATION: BPC 134 AND VIDEO CONFERENCE

<https://csub.zoom.us/j/88627987809?pwd=RENhUVQ0OE9OSVlqOXdmZmlyelBoZz09&from=addon>

Members: A. Hegde (Chair), M. Danforth (Vice-Chair), J. Millar, M. Martinez, E. Correa, C. Lam, M. Rees, J. Tarjan, V. Harper, and K. Van Grinsven (Senate Analyst).

1. CALL TO ORDER
2. ANNOUNCEMENTS, INFORMATION AND WELLNESS CHECK
Update from Statewide Senate Chairs – A. Hegde
3. APPROVAL OF AGENDA (Time Certain: 10:05 AM)
4. APPROVAL OF MINUTES
April 11, 2023
April 18, 2023
5. CONTINUED ITEMS
 - a. AS Log (**handout**)
 - i. AAC (J. Tarjan)
 - ii. AS&SS (E. Correa)
 - iii. BPC (C. Lam)
 - iv. FAC (M. Rees)
 - b. Provost Update (V. Harper)
 - i. CO Update
6. NEW DISCUSSION ITEMS (Time Certain: 10:45 AM)
 - a. Senate calendar (**handout**)
 - i. 23-24 AY included for reference (**handout**)
 - b. Ombudsperson (**handout 1**) (**handout 2**)
7. AGENDA ITEMS FOR SENATE MEETING

CALIFORNIA STATE UNIVERSITY, BAKERSFIELD

ACADEMIC SENATE

AGENDA – Part 1

THURSDAY, MAY 4, 2023
10:00 A.M. – 10:55 A.M.

LOCATION: DEZEMBER LEADERSHIP AND DEVELOPMENT CENTER, ROOM 409-411

Session One

- A. Call to Order
- B. Approval of Minutes
 - a. April 20, 2023 (*attached*)
- C. Announcements and Information
 - Session One – Outgoing Senate business
 - Session Two – Incoming Senate and Standing Committee Chair Selection
 - President’s Report – L. Zelezny (**Time Certain: 10:10**)
 - Elections and Appointments- M. Danforth (*handout*)
- D. Approval of Agenda (**Time Certain: 10:05 AM**)
- E. Reports (*Tabled*)
 - a. Provost’s Report
 - b. ASCSU Report
 - c. Committee Reports: (*Minutes from AAC, AS&SS, BPC and FAC to be posted on the Academic Senate webpage; Senate Log attached*).
 - i. ASI Report- C. Vollmer
 - ii. Executive Committee- M. Danforth
 - iii. Academic Affairs Committee (AAC)- J. Tarjan
 - iv. Academic Support & Student Services Committee (AS&SS)- E. Correa
 - v. Budget and Planning Committee (BPC)- C. Lam
 - vi. Faculty Affairs Committee (FAC) – M. Rees
 - vii. Staff Report- S. Miller
- F. Resolutions (**Time Certain: 10:15 AM**)
 - a. Consent Agenda
RES 222336 Commencement 2023
 - b. New Business
RES 222331 Statement on Campus Modality
RES 222332 Statement on Reducing Educational Material Costs at CSUB
RES 222333 Honorary Doctorate Award – Procedures Update
 - c. Old Business (**Time Certain: 10:40 AM**)
RES 222328 Graduate Studies – Graduate Studies Committee Handbook
RES 222329 Approval of the Minor in Environmental Sustainability
RES 222327 Election Attempt Limit – Revert to Appointment
RES 222334 RTP 2nd Year Review Materials – Handbook Change
RES 222335 RTP Evaluation Letters – Handbook Change
RES 222330 Renaming Schools to Colleges: Academic Affairs Re-organization

- G. Open Forum (Tabled) Items reported.
- H. Adjournment

8. ADJOURNMENT

CALIFORNIA STATE UNIVERSITY, BAKERSFIELD

ACADEMIC SENATE

AGENDA – Part 2

Thursday, May 4, 2022

11:00 a.m. – 11:30 a.m.

Session Two

Members: A. Hegde (Chair), M. Danforth (Vice-Chair), E. Correa, J. Cornelison, J. Deal, V. Harper, H. He, C. Lam, A. Lauer, J. Millar, M. Rees, A. Rodriguez, M. Rush, T. Salisbury, A. Sawyer, S. Sarma, D. Solano, B. Street, M. Taylor, T. Tsantsoulas, D. Wu, Z. Zenko, ASI President

1. Call to Order
2. Introduction of Members
3. Approval of Academic Senate Meeting Schedule 2023-2024
4. Election of Standing Committee Chairs
 - Academic Affairs Committee
 - Academic Support and Student Services Committee
 - Budget and Planning Committee
 - Faculty Affairs Committee
5. Adjournment

Pictures of the 2023-2024 Senate to be taken outdoors immediately following adjournment.

ACADEMIC SENATE LOG – MAY 2, 2023

Academic Affairs Committee (AAC): John Tarjan/Chair, meets 10:00 AM in BDC 134 and/or via video conference.

Dates: 9/1, 9/15, 9/29, 10/13, ~~10/27~~, 11/10, 11/17, 1/26, 2/9, 2/23, 3/9, 3/23, 4/13, and 4/27

Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
08/24/2021	2021-2022 #02 Department Formation Criteria Revision	Complete	AAC, BPC, and FAC The need to clarify and extend the current department formation procedures. Task Force sent recommendations to EC 12/1/ 2021. See EC Agenda 12/7/21. See 3/1 Minutes EC drafts resolution. RES 222308 - Department Formation Criteria.	11/03/2022	11/14/2022	11/15/2022
04/26/2022	2021-2022 #45 Academic Programs Assessment Quality Feedback	Complete	AAC Whether committee be formed, or whether to include task in School Curriculum Committee duties. RES 222304 – Reconstitution of the Campus Assessment Team	10/20/2022	10/31/2022	11/2/2022
06/01/2022	2022-2023 #02 Academic Integrity Campaign- Ombudsperson and Committee on Professional Responsibility	ON HOLD	AAC, BPC, and FAC Whether one person serving as ombudsperson is enough; funding to support Ombudsperson position; Ways the Committee on Professional Responsibility works with the Faculty Ombudsperson.	ON HOLD		
08/29/2022	Removal of courses from catalog: GST 1030, GST 1040, GST 1160, and GST 2400	Complete	AAC, acting as university curriculum committee Reviews the rationale for remove and then sends memo to Senate. Completed 9/15/2022.	-	-	-
09/09/2022	Removal of courses from catalog: GST 1050, 1400, 1410 and to update the degree requirement for BA in Interdisciplinary Studies w/ concentration in WGSS	Complete	AAC, acting as university curriculum committee Reviews the rationale for removal and update and then sends memo to Senate. MEMO received 9/12/2022. No further action needed.	-	-	-
09/28/2022	2022- 2023 #08 GVAR Exam and/or Course Requirement	Complete	AAC Generate a statement in response to memo from Chancellor’s Office re GVAR Exam and/or course requirement. RES 222305 – GVAR Concerns	10/20/2022	10/31/2022	-

ACADEMIC SENATE LOG – MAY 2, 2023

Academic Affairs Committee (AAC) continued...

Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
11/02/2022	2022-2023 #11 GVAR Committee Structure	Complete	AAC Address the question of the GVAR committee structure; consider who to report to, role in approving GVAR courses and committee composition. RES 222318 GVAR Committee Membership & Charge	03/30/2023	04/14/2023	04/17/2023
11/02/2022	2022-2023 #12 A2 and A3 Skills Reinforcement in AI History and AI Government	Complete	AAC Design of the AIMS GE program; consider removing A2 pre-requisites for AIH and A3 pre-requisites for AIG. MEMO received. No further action needed 1/26/2023.	-	-	-
11/09/2022	2022-2023 #13 Proposal to add minor in Environmental Sustainability	First Reading 4/20/2023	AAC Review the proposal to add a minor in Environmental Sustainability to the Environmental Resource Management (ERM) Program. RES 222329 Approval of the Minor in Environmental Sustainability			
11/09/2022	2022-2023 #14 Proposal to add a minor in Public Health	Complete	AAC Review the proposal to add a minor in Public Health. RES 222313- Approval of Minor in Public Health	12/1/2022	12/12/2022	12/13/2022
11/09/2022	2022-2023 #15 New FYS Course for Business Majors	Complete	AAC Review the proposal for a new FYS course BPA 1028 for Business majors. MEMO received. No further action needed 1/26/2023.	-	-	-

Academic Affairs Committee (AAC) continued...

ACADEMIC SENATE LOG – MAY 2, 2023

Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
11/22/2022	Proposal for New GST 2230 Course	Complete	AAC Consider the addition of GST 2230 Course to the CSUB course catalog. MEMO received. No further action needed. 01/30/2023	-	-	-
01/19/2023	2022-2023 #18 Academic Probation Proposed Terminology Change	Complete	AAC and AS&SS Consider the proposed terminology change from “Academic Probation” to “Academic Notice”	02/16/2023	02/24/2023	02/24/2023
02/21/2023	2022-2023 #21 Concentration vs. Emphasis to Describe Size of Program		AAC Use of the terms “Concentration” and “Emphasis” and whether CSUB is using appropriate term(s) in reporting. RES 222337 drafted; carry over to 23-24 AY.			
03/3/2023	2022-2023 #24 Academic Support & Student Services Membership – Bylaws Change	Complete	AAC, AS&SS, BPC, FAC Whether there is any reason(s) not to change the student membership to voting member. RES 222325 Bylaws Change to Membership of AS&SS Committee	04/20/2023	04/28/2023	
03/7/2023	2022-2023 #27 Standing Committee Bylaws Change Section IV		AAC, AS&SS, BPC, FAC Whether statements of interest in Chair required, two-year experience required, term limits, and qualifications.			
03/7/2023	2022-2023 #28 MS Administration Discontinuance	Complete	AAC Whether there is any impact to students, university or community. RES 222319 Discontinuation of the MS in Administration	03/30/2023	04/14/2023	04/17/2023
03/14/2023	2022-2023 #36 Graduate Studies Committee		AAC Whether the proposed language change to the Graduate Studies Committee Bylaws benefit students and the university at-large.			

ACADEMIC SENATE LOG – MAY 2, 2023

Academic Affairs Committee (AAC) continued...						
Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
03/21/2023	2022-2023 #39 Small Business Concentration Name Change – Entrepreneurship Concentration	Complete	AAC Consider rationale and impact on students in the program. RES 222322 Change in Title from Small Business Management Concentration in the BSBA Program to Entrepreneurship Concentration	04/20/2023	04/28/2023	

ACADEMIC SENATE LOG – MAY 2, 2023

Academic Support and Student Services (AS&SS): Elaine Correa/Chair, meets 10:00 AM via video conference.

Dates: 9/1, 9/15, 9/29, 10/13, 10/27, 11/10, 11/17, 1/26, 2/9, 2/23, 3/9, 3/23, 4/13, and 4/27.

Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
10/19/2021	2021-2022 #28 Academic Testing Center Exploratory Sub-Committee	21-22 Carryover	AS&SS Reference RES 202123. Form sub-committee & include AVP EM, Director Testing Center, ASI & provide path			
09/08/2022	2022-2023 #07 Advising Task Force Recommendations	Canceled	AS&SS and BPC <i>Canceled- New referral 2022-2023 #21 Drafted.</i>	-	-	-
10/17/2022	2022-2023 #10 Knowmia Replacement Project	Complete	AS&SS Address and consider replacement options for Knowmia Techsmith video media management service; consider FTLC/ITS report and evaluation and expected timeline of implementation. RES 2223010 Knowmia Replacement Project	12/1/2022	12/12/2022	12/13/2022
01/19/2023	2022-2023 #18 Academic Probation Proposed Terminology Change	Complete	AAC and AS&SS Consider the proposed terminology change from “Academic Probation” to “Academic Notice” RES 222315 Academic Probation Terminology Change	2/16/2023	2/24/23	2/24/23
01/09/2023	2022-2023 #19 ATI Instructional Materials Handbook Appendix K		AS&SS New goals and metrics from the CO			
01/25/2023	2022-2023 #21 Advising Task Force Recommendations- Director of Advising	Complete	AS&SS and BPC Address the need, role and duties of a Director of Advising position. RES 222316 Interim Director of Academic Advising Recommendations	3/16/2023	3/24/2023	3/24/2023
3/3/2023	2022-2023 #24 Academic Support & Student Services Membership – Bylaws Change	Complete	AAC, AS&SS, BPC, FAC Whether there is any reason(s) not to change the student membership to voting member. RES 222325 Bylaws Change to Membership of AS&SS Committee	4/20/2023	4/28/2023	

ACADEMIC SENATE LOG – MAY 2, 2023

Academic Support and Student Services (AS&SS) continued						
Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
3/7/2023	2022-2023 #27 Standing Committee Bylaws Change Section IV		AAC, AS&SS, BPC, FAC Whether statements of interest in Chair required, two-year experience required, term limits, and qualifications. Recommendation sent.			
3/14/2023	2022-2023 #34 Advisor and Student Initiated Course Add/Drops in Adobe Sign		AS&SS Whether there is a need for guidance or policy when student initiates form, when there is compound input from faculty, etc. Note: Recommendation received 4/25/2023; resolution requested.			
3/14/2023	2022-2023 #35 Skipping Course Waitlist		AS&SS Whether it's possible to skip queue, roll students off waitlist, policy change, etc.			
3/14/2023	2022-2023 #37 Academic Integrity Pledge		AS&SS Creating an Academic Integrity Pledge to be included in matriculation, place in student file, etc. Note: Recommendation received 4/25/2023; resolution requested.			
3/14/2023	2022-2023 #38 Disability Accommodations Statement in Syllabus		AS&SS Whether the current statement for all faculty use contains the correct info, and include links			
3/21/2023	2022-2023 #41 Statement on Open Educational Resources OER	First Reading 4/20/2023	AS&SS Support and obligation to reduce costs for students, ways to incorporate OER, Bookstore terminology change. RES 222332 Statement on Reducing Educational Material Costs at CSUB			

ACADEMIC SENATE LOG – MAY 2, 2023

Budget and Planning Committee (BPC): Charles Lam/ Chair; meets 10:00 AM in SCI III-100 Conference room and/or via video conference.

Dates: 9/1, 9/15, 10/13, 10/27, 11/10, 11/17, 01/26, 02/09, 02/23, 03/09, 03/23, 04/13, and 04/27

Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
08/24/2021	2021-2022 #02 Department Formation Criteria Revision	Complete	AAC, BPC, and FAC The need to clarify and extend the current department formation procedures. Task Force sent recommendations to EC 12/1/ 2021. See EC Agenda 12/7/21. See 3/1 Minutes EC drafts resolution. RES 222308- Department Formation Criteria.	11/03/2022	11/14/2022	11/15/2022
06/01/2022	2022-2023 #01 Time Blocks and Space Utilization		BPC The need to reconsider Time Blocks for classes.			
06/01/2022	2022-2023 #02 Academic Integrity Campaign- Ombudsperson and Committee on Professional Responsibility	ON HOLD	AAC, BPC, and FAC Whether one person serving as ombudsperson is enough; funding to support Ombudsperson position; Ways the Committee on Professional Responsibility works with the Faculty Ombudsperson.	ON HOLD		
08/23/2022 3/21/23	2022-2023 #05 Reclassify Assistant VP of IRPA to Associate VP of IRPA	Complete	BPC The need to reclassify Assistant VP of IRPA to Associate VP of IRPA per Provost Harper’s request. Resent 3/21/23 with updated job description – proposed Handbook change Section 104. RES 222323 Reclassification of Assistant VP to Associate VP IRPA and Associate VP GRaSP.	4/20/2023	4/28/2023	
08/26/2022	2022-2023 #06 Addendum to Academic Calendar 22-23	Complete	BPC Addendum to change campus evacuation date from April 4 to April 11 when campus is open RES 222303 Addendum to Academic Calendar- sent to Senate 9/8/22	9/8/2022	9/20/2022	9/30/2022
3/3/2023	2022-2023 #24 AS&SS Membership – Bylaws Change	Complete	AAC, AS&SS, BPC, FAC Whether there is any reason(s) not to change the student membership to voting member. RES 222325 Bylaws Change to Membership of AS&SS Committee	4/20/2023	4/28/2023	

ACADEMIC SENATE LOG – MAY 2, 2023

Budget and Planning Committee (BPC) continued...						
Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
9/28/2022	2022-2023 #09 Addendum to the Academic Calendar 22-23	Complete	BPC Addendum to add federal holiday Juneteenth as a campus holiday RES 222326 Addendum to Academic Calendar 2022-23 and 2023-24 Juneteenth	04/20/2023	04/28/2023	
11/09/2022	2022-2023 #17 Academic Calendar 2023-2024	Complete	BPC Address the Academic Calendar 2023-2024 as presented by the Calendar Committee. RES 222314 Adoption of Academic Calendar 2023-2024	12/01/2022	12/12/2022	12/13/2022
1/19/2023	2022-2023 #20 RTP Review Calendar Timeline	Complete	BPC and FAC Consider changes proposed to RTP review calendar timeline. RES 222317 Periodic Evaluation/Performance Review Calendar – Handbook Change	03/30/2023	04/14/2023	04/17/2023
1/25/2023	2022-2023 #21 Advising Task Force Recommendations- Director of Advising	Complete	AS&SS and BPC Address the need, role and duties of a Director of Advising position. RES 222316 Interim Director of Academic Advising Recommendations	03/16/2023	03/24/2023	03/24/2023
3/3/2023	2022-2023 #24 Academic Support & Student Services Membership – Bylaws Change	Second Reading 4/20/2023	AAC, AS&SS, BPC, FAC Whether there is any reason(s) not to change the student membership to voting member. RES 222325 Bylaws Change to Membership of AS&SS Committee			
3/7/2023	2022-2023 #27 Standing Committee Bylaws Change Section IV	First Reading 4/20/2023	AAC, AS&SS, BPC, FAC Whether statements of interest in Chair required, two-year experience required, term limits, and qualifications. RES 222327 Election Attempt Limit – Revert to Appointment			
3/7/2023	2022-2023 #29 BPC Membership – Bylaws Change		BPC Whether to edit membership, CFO or <u>designee</u> RES 222320 Bylaws Change to the Composition of BPC	03/30/2023	04/14/2023	04/17/2023

ACADEMIC SENATE LOG – MAY 2, 2023

Budget and Planning Committee (BPC) continued...

Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
3/7/2023	2022-2023 # 30 Election Attempt Limit – Revert to Appointment- Handbook Change	Second Reading 5/2/2023	BPC Whether to revert elected positions open to eligible faculty after four attempts. RES 222327 Election Attempt Limit- Revert to Appointment			
3/7/2023	2022-2023 #31 Academic Administrators Search & Screening -Handbook Change		BPC Whether to add use of search firms, add language regarding exceptions, and add an option for university to retreat.			
3/21/23	2022-2023 #40 Search Committee Composition AVP GRaSP 309.5, 310	Complete	BPC Clarify Handbook sections 309.5 and 310 regarding composition of Search Committee. MEMO from BPC stating use of Section 309.5 applies; no further action needed.	-	-	-

ACADEMIC SENATE LOG – MAY 2, 2023

Faculty Affairs Committee (FAC): Mandy Rees/Chair, meets 10:00 AM in HOB 100 and/or via video conference.
Dates: 9/1, 9/15, 9/29, 10/13, 10/27, 11/10, 11/17, 1/26, 2/9, 2/23, 3/9, 3/23, 4/13, and 4/27

Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
08/24/2021	2021-2022 #02 Department Formation Criteria Revision	Complete	AAC, BPC, and FAC The need to clarify and extend the current department formation procedures. Task Force sent recommendations to EC 12/1/2021. See EC Agenda 12/7/21. See 3/1 Minutes EC drafts resolution. RES 222308 Department Formation Criteria.	11/03/2022	11/14/2022	11/15/2022
-	2019-2020 #08 Honorary Doctorate – Handbook Change	First Reading 4/20/2023	FAC refer to RES 121329 Procedures for Honorary Doctorate Nominations and Selection REVISED. RES 222333 Honorary Doctorate Award – Procedures Change			
08/31/2021	2021-2022 #20 Accessibility of Instructional Materials	Complete	FAC Identify owner and maintainer of textbook master list, specify policies for adopting a textbook. FAC’s recommendation that book orders be on Academic Calendar was accepted. Guidelines exist in Handbook on orders. If other details need to be managed, they can be considered next year. No further action needed.	-	-	-
09/21/2021	2021-2022 23 Faculty Hall of Fame Selection Process Change	Complete	FAC Whether selection process should move to FHAC; whether time conflict with Faculty Awards, data transfer. RES 222321 Faculty Hall of Fame Selection Process – Handbook Change	03/30/2023	04/14/2023	04/17/2023
10/19/2021	2021-2022 #27 Composition of Search and Screening Committees – Handbook Change	Complete	FAC Handbook 309.5: clarify candidate eligibility, add “General Faculty”, reconstitute committee > 18 months. RES 222301 Composition of Search...	9/22/2022	10/6/2022	10/6/2022

ACADEMIC SENATE LOG – MAY 2, 2023

Faculty Affairs Committee (FAC) Continued...						
Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
03/01/2022	2021-2022 #40 Digitizing the Performance Review Process	21-22, 22-23 Carryover;	FAC Access, process, CFA & HR perspective, training of chairs & deans. FAC recommends that discussion be postponed until new software is selected.			
03/01/2022	2021-2022 #41 Sixth-year Lecturer Review – Handbook Change	21-22, 22-23 Carryover;	FAC Purpose and outcome(s) of the Sixth-year Lecturer Review, etc. Work has begun on major topic. Notes will be forwarded to next year's committee.			
06/01/2022	2022-2023 #02 Academic Integrity Campaign- Ombudsperson and Committee on Professional Responsibility	ON HOLD	AAC, BPC, FAC Whether one person serving as Faculty Ombudsperson is enough; funding to support position; ways the committee Professional Responsibility works with the Faculty Ombudsperson.			
08/29/2022	2022-2023 #03 Holding Exams on the Last Day of Class	Complete	FAC MEMO from FAC: <i>University Handbook</i> already gave suitable guidelines regarding holding exams on the last day of class. FAC recommends that the Senate Chair sends out reminders about the finals policy at least twice a year during times that faculty might be devising their syllabi.	-	-	-
08/29/2022	2022-2023 #04 Scheduling Office Hours Policy	Complete	FAC Whether changes need to be made to the existing office hours policy MEMO: No change to existing policy; Report in materials for 9/8/2022 AS meeting.	-	-	-
11/16/2022	2022-2023 #16 GST Instructor Classroom Observations	Complete	FAC Whether deferment of classroom observations GST and FYS instructors who do not have home departments should be considered. Deferment already happened.	-	-	-

ACADEMIC SENATE LOG – MAY 2, 2023

Faculty Affairs Committee (FAC) Continued...						
Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
01/19/2023	2022-2023 #20 RTP Review Calendar Timeline	Complete	BPC and FAC Consider changes proposed to RTP review calendar timeline. RES 222317 Periodic Evaluation/Performance Review Calendar – Handbook Change	3/30/23	4/14/2023	4/17/2023
02/21/2023	2022-2023 #22 GECCo Review and Appointment	ON HOLD	FAC Whether GECCo draws the review of Faculty Director etc. and whether the position is open for another three-year appointment			
03/01/2023	2022-2023 #23 Effect of Sabbatical on Assigned Time and Release Time		FAC Where a person serving on a committee should step down. What is effect on assigned time & release time. FAC recommends consulting with URC and UPRC to see if a policy is preferred.			
03/01/2022	2021-2022 #39 The Personnel Action File (PAF) and the Working Personnel Action File (WPAF) – Handbook Change	Complete	FAC Whether the PAF or WPAF is the official file...flow chart of levels of involvement. RES 222309- Personnel Action File (PAF) and the Working Personnel Action File (WPAF)	12/1/2022	12/12/2022	12/13/2022
03/03/2023	2022-2023 #24 Academic Support & Student Services Membership – Bylaws Change	Complete	AAC, AS&SS, BPC, FAC Whether there is any reason(s) not to change the student membership to voting member. RES 222325 Bylaws Change to Membership of AS&SS Committee	04/20/2023	04/28/2023	
03/07/2023	2022-2023 #25 RTP 2 nd Year Review Materials	Second Reading 5/2/2023	FAC Whether the URC and other higher levels should consider entire 1 st year review. RES 222334 RTP 2 nd Year Review Materials – Handbook Change			

Faculty Affairs Committee (FAC) Continued...						
Date	Item	Status	Action	Approved by Senate	Sent to President	Approved by President
3/7/2023	2022-2023 #27 Standing Committee Bylaws Change Section IV		AAC, AS&SS, BPC, FAC Whether statements of interest in Chair required, two-year experience required, term limits, and qualifications.			
3/7/2023	2022-2023 #26 Letters in the RTP	Second Reading 5/2/2023	FAC Whether guidance of checklist needed for reliable review of RTP &/or rebuttal & acknowledgement at the next level(s) RES 222335 RTP Evaluation Letters - Handbook Change			
3/7/2022	2022-2023 #32 Three-Year Lecturers and PTR Committee – Handbook Change		FAC Language regarding 3 rd -Yr Lecturers and post-tenure faculty, PTR Committee Structure, and outside department procedures.			
3/7/2023	2022-2023 #33 Sabbatical Eligibility Language – Handbook Change	Complete	FAC Whether the Handbook 307.1 language should be changed to match the language of the Collective Bargaining Agreement (CBA) Article 27.2 MEMO: After further investigating policies in the Collective Bargaining Agreement, discovered that our <i>University Handbook</i> does not contradict the CBA. We are ready to close the referral without further action.	-	-	-

2023-2024 AY Meeting Schedule

Academic Senate

Fall 2023

August 31
September 14, 28
October 12, 26
November 9
December 7

(Thanksgiving Break 11/23/23 – 11/24/23; Winter Break 12/21/23 – 1/18/24)

Spring 2024

January 25
February 8, 22
March 7, 21
April 4, 18
May 2 (last 2023-2024 meeting and 2024-2025 organizational meeting)

(Spring Break 3/24/23 – 3/31/23)

All meetings are scheduled from 10:00 - 11:30 a.m.

Location:

Academic Senate Executive Committee

Fall 2023

August 29
September 12, 26
October 10, 24
November 7, 21
December 5

(Thanksgiving Break 11/23/23 – 11/24/23; Winter Break 12/21/23 – 1/18/24)

Spring 2024

January 23
February 6, 20
March 5, 19
April 2, 16, 30
May 14 (Summer Senate; outgoing and incoming Executive Committee)

(Spring Break 3/24/23 – 3/31/23)

All meetings are scheduled from 10:00 - 11:30 a.m.

Location:

California State University, Bakersfield

Academic Calendar

2023/2024

Fall Semester, 2023

March 20	.....	Academic Advising for Continuing Students Begins (for Summer 2023 & Fall 2023)
April 10	.....	Registration for Continuing Students Begins (for Summer 2023 & Fall 2023)
May 01	.....	Orientation for New Undergraduate Students Begins
May 01	.....	Deadline to Apply for Fall 2023 Graduation
May 22	.....	Last Day to Register to Vote for Primary Election
June 05	.....	Academic Advising for New Transfer Students Begins (for Fall 2023)
June 05	.....	Registration for New Transfer Students Begins (for Fall 2023)
June 05	.....	Registration for Postbaccalaureate Students (separate)
June 06	.....	CA Statewide Primary Election
June 26	.....	Academic Advising for First-Time First-Year Students Begins (for Fall 2023)
June 26	.....	Registration for First-Time First-Year Students Begins (for Fall 2023)
August 21	.....	ALL FACULTY DUE ON CAMPUS
August 28	.....	First Day of Classes
September 4	.....	Holiday – Labor Day – Campus Closed
September 7	.....	Last Day to Add Classes
September 7	.....	Last Day to Change between Audit and Letter Grading
September 25	.....	Census Day
September 25	.....	Last Day to Change between Credit/No-credit and Letter Grading
September 25	.....	Last Day to Withdraw from Classes without a "W" being recorded
October 02	.....	Academic Advising for Continuing Students Begins (for Spring 2024)
October 11	.....	Campus-wide Emergency Evacuation Day
October 20	.....	Last Day for Faculty to Order Course Materials Through Campus Bookstore for Spring 2024
October 23	.....	Registration for Continuing Students Begins (for Spring 2024)
October 24	.....	Last Day to Register to Vote for the General Election
November 01	.....	Deadline to Apply for Spring 2024 Graduation
November 01	.....	Deadline to apply for Summer 2024 Graduation
November 08	.....	CA Statewide General Election
November 10	.....	HOLIDAY - Veterans Day Observed - Campus Closed
November 13	.....	Academic Advising for New Students Begins (for Spring 2024)
November 13	.....	Registration for New Students Begins (for Spring 2024)
November 13–17	.....	SOCI Week
November 17	.....	Last Day to Withdraw from Classes for a Serious and Compelling Reason
November 22	.....	No classes - Campus Open
November 23 - 24	.....	HOLIDAY - Thanksgiving - Campus Closed
December 11	.....	Last Day to Submit Completed Thesis / Dissertation
December 11	.....	Last Day of Classes
December 12-18	.....	Examination Period
December 15 -16	.....	Commencement
December 19	.....	Evaluation Day
December 20	.....	Grades Due

Winter Break: December 21, 2023 - January 18, 2024

In addition to our Fall Semester listed above, CSUB's **Extended Education** offers classes during **Winter Session**. The Session begins January 2, 2024 and ends January 19, 2024. **Call the Extended Education at (661) 654-2441** for detailed information regarding their course offerings and schedules.

Approved by Academic Senate March 20, 2023
Approved by the President April 17, 2023

California State University, Bakersfield

Academic Calendar

2023/2024

Spring Semester, 2024

October 02	.....	Academic Advising for Continuing Students Begins (for Spring 2024)
October 23	.....	Registration for Continuing Students Begins (for Spring 2024)
November 01	.....	Deadline to Apply for Spring 2024 Graduation
November 01	.....	Deadline to Apply for Summer 2024 Graduation
November 13	.....	Academic Advising for New Students Begins (for Spring 2024)
November 13	.....	Registration for New Students Begins (for Spring 2024)
January 15	.....	HOLIDAY - Martin Luther King, Jr. Day - Campus Closed
January 18	.....	ALL FACULTY DUE ON CAMPUS
January 22	.....	First Day of Classes
January 31	.....	Last Day to Add Classes
January 31	.....	Last Day to Change between Audit and Letter Grading
February 16	.....	Census Day
February 16	.....	Last Day to Change between Credit/No-credit and Letter Grading
February 16	.....	Last Day to Withdraw from Classes without a "W" being recorded
March 11	.....	Academic Advising for Continuing Students Begins (for Summer 2024 & Fall 2024)
		Spring Semester Break: March 24, 2024 – March 31, 2024 (Easter is March 31, 2024)
April 01	.....	HOLIDAY - Cesar Chavez Day Observed - Campus Closed
April 05	.....	Last Day for Faculty to Order Course Materials Through Campus Bookstore for Summer 2024 and Fall 2024
April 08	.....	Registration for Continuing Students Begins (for Summer 2024 & Fall 2024)
April 09	.....	Campus-wide Emergency Evacuation Day
April 19	.....	Last Day to Withdraw from Classes for a Serious and Compelling Reason
April 22 - 26	.....	SOCI Week
May 01	.....	Orientation for New Undergraduate Students (Begins)
May 01	.....	Deadline to Apply for Fall 2024 Graduation
May 10	.....	Last Day to Submit Completed Thesis / Dissertation
May 10	.....	Last Day of Classes
May 11 – 17	.....	Examination Period
May 17 - 18	.....	Commencement
May 20	.....	Evaluation Day
May 21 - 22	.....	Grades Due
May 27	.....	HOLIDAY - Memorial Day – Campus Closed



April 24, 2023

RE: Application for the position of University Faculty Ombudsperson

To whom it may concern,

I write to apply for the position of University Faculty Ombudsperson at CSU Bakersfield. As a professor at CSUB, I have dedicated much of my time in service to the university, the practice of shared governance, and building an educational and professional environment that supports justice, equity, inclusion, and diversity. As an Ombudsperson, I will continue to serve in these areas and to support my colleagues by serving as a neutral, confidential, and informational resource. I understand the role of this position and its place alongside the existing, and separate, formal complaint and conflict resolution procedures, and think that I could serve effectively in this role, assisting faculty to articulate their concerns and referring them to appropriate resources when needed. Under the headings below, I address each of the listed qualifications for this position.

Experience in, or knowledge of (1) university policies, procedures, and regulations; (2) university resources; and (3) academic governance

My service and participation in academic governance has been substantial and wide-ranging. During my tenure at CSUB, I have served on numerous campus committees, including terms on the Academic Senate, Faculty Affairs Committee, Committee on Professional Responsibility, Research Council of the University, NSME Curriculum Committee, Graduate Policies and Curriculum Committee, Graduate Studies Committee, Council of Faculty Advisors, and numerous additional committees and task forces. Through these committees, I have developed extensive knowledge of the University Handbook, the CBA contract, and other university and CSU documents. Many of the topics addressed by these committees rely on participants knowing the applicable policies or knowing where to find them. Discussion in these meetings has helped me appreciate different potential interpretations of policies and the need to be cognizant of these potentially equally valid views of campus policies and procedures.

(4) Communication skills necessary to relate to a diverse faculty community

I am deeply committed to building an educational and professional environment that supports justice, equity, inclusion, and diversity. As a faculty mentor, I have been very active in the development of an 'inclusive mentoring' faculty development program. Leading this STEM research and mentoring program has been one of my primary faculty responsibilities during the past 3 years, and I have developed significant experience in interacting and mentoring faculty of diverse backgrounds, position, and ranks. Key to this program is acknowledging the diverse backgrounds and experiences of others, particularly those who are members of minoritized groups that are marginalized because of ethnic, socioeconomic, racial, gender, sexual orientation, cultural differences, or long-term physical, mental, or sensory impairments. These programs are funded through a multi-million-dollar U.S. Department of Education Title Vb grant that I co-direct with Dr. Debra Jackson.

During the current year, I am hosting a weekly Faculty Scholarship Seminar that features presentations by faculty members from across campus. The invited speakers were carefully chosen in

order to reflect diverse faculty disciplines, perspectives, ranks, etc. This seminar series has been one of the most enjoyable activities of my entire tenure at CSUB, and it has been a great pleasure to connect with many new faculty from across campus in a positive and supportive environment.

(5) Conflict resolution skills

I have not yet had the opportunity to participate in formal conflict resolution training, although this is an area of personal interest and I have read several books on this subject. As chair of the Graduate Policy and Curriculum Committee and in my position as Co-Director of a Title Vb grant, this past year I scheduled a series of meetings to guide development of an orientation program for new graduate directors. At these meetings, unit leaders repeatedly expressed a desire to improve their conflict resolution skills and I share this desire.

If selected, I would like to improve my own skills in this specific area. Although it is not listed in the position description, I respectfully request the inclusion of a modest amount of professional development funding to attend training workshops and conferences that would improve my skills in this, and other areas associated with the Faculty Ombudsperson position.

(6) Unit administration

I served as a long-term (2011-2020) director of the MS Biology program, so I have extensive experience with unit administration. In addition to routine administrative responsibilities, I also gained experience in dispute resolution and mediation between students and faculty, and between faculty mentors and graduate committee members. In addition, I became familiar with the organizational structure of academic units, the roles and responsibilities of those serving in unit leadership positions, and how these positions and the unit fit within the structure of the university.

Thank you for your consideration of this application. I am happy to answer any additional questions you may have, and I look forward to hearing from you.

Sincerely,



Anna L. Jacobsen, Ph.D.

Professor of Biology
California State University, Bakersfield
Department of Biology 61 SCI
9001 Stockdale Hwy, Bakersfield, CA 93311, USA
ajacobsen@csub.edu

Annotated References

Mandy Rees is the current Chair of the Faculty Affairs committee and has served on this committee, and many other, with me over the years. She would be well suited to further address my qualifications regarding (1) university policies, procedures, and regulations; (2) university resources; and (3) academic governance.

Mandy Rees, MFA

mrees@csub.edu

Theatre Program Coordinator

Current Chair, Faculty Affairs Committee

Dr. Debra Jackson is currently co-directing a Title Vb grant with me. This grant is titled “Promoting Excellence in Graduate Education and Increasing Hispanic STEM Related Degree Completion” and focuses on faculty development and student support as related to diversity in higher education. Through these grant activities, she would be well suited to address my ability to (4) communicate to a diverse faculty community.

Debra Jackson, PhD

djackson9@csub.edu

AVP for Academic Affairs, Dean of Academic Programs

Co-Director, CSUB Title Vb STEM Graduate Excellence Grant

ANNA L. JACOBSEN, PhD

California State University, Bakersfield
Department of Biology

9001 Stockdale Hwy, Bakersfield, CA 93311, USA

Office phone: 661-654-2572, email: ajacobsen@csub.edu, webpage: www.csub.edu/~ajacobsen

Background

Education

- PhD, dual PhD in Plant Biology and Ecology, Evolutionary Biology & Behavior (EEBB), 2008, Michigan State University, East Lansing, MI
- BS, Biology (with honors), 2003, Pepperdine University, Malibu, CA

Professional Appointments

- Professor, California State University, Bakersfield, 2018-present
- Director of Research and Mentoring, CSUB Title Vb: STEM Graduate Excellence, 2020-2024
- Graduate Program Director, Biology, California State University, Bakersfield, 2011-2020
- Associate Professor, California State University, Bakersfield, 2014-2018
- Assistant Professor, California State University, Bakersfield, 2010-2014
- Adjunct Faculty, Bakersfield College, 2007
- Lecturer, California State University, Bakersfield, 2006-2010

Research Appointments

- Sabbatical, California State University, Bakersfield, 2016-2017
- Postdoctoral Research Scholar, California State University, Bakersfield (Andrew W. Mellow Foundation), 2008-2010
- Graduate Research Associate (NSF GRFP, NSF DDIG), Michigan State University, 2004-2008
- Fulbright Fellow, Stellenbosch University, South Africa, 2003-2004
- Research Associate, Pepperdine University, 2003
- Summer Undergraduate Researcher in Biology (NSF REU), Pepperdine University, 2002
- Research Assistant, Pepperdine University, 2001-2003

Scholarship

Publications

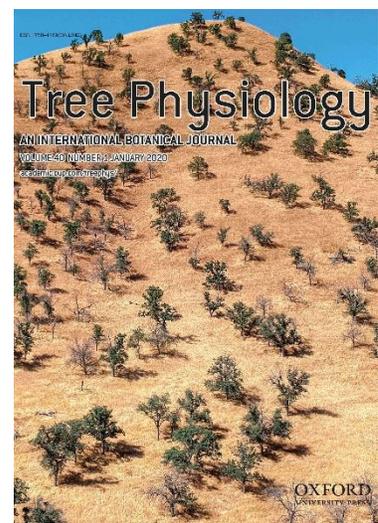
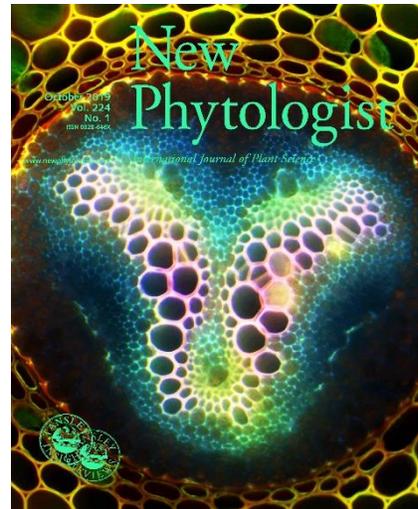
Journal Publications

(* denotes an **undergraduate student**; # denotes a **graduate student**; ^ denotes **postdoc**)

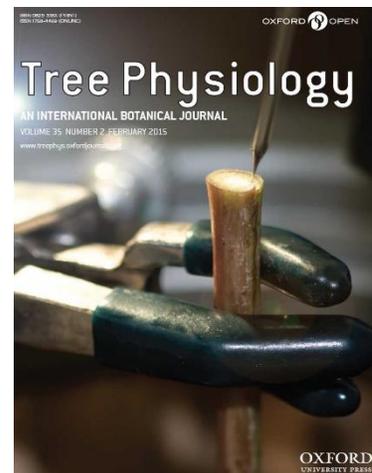
1. **Jacobsen AL**, Pratt RB. **2023**. Vessel diameter polymorphism determines vulnerability-to-embolism curve shape. IAWA Journal. Accepted.
2. Ewers FW, **Jacobsen AL**, López-Portillo J. **2023**. Carlquist's indices for vulnerability and mesomorphy of wood: Are they relevant today? IAWA Journal. Accepted.

3. Pratt RB, [*#Castro V](#), [Jacobsen AL](#). **2023**. Functional significance of tracheids co-occurring with vessels in xylem of Eudicots suggests a role in embolism tolerance. *IAWA Journal*. Accepted.
4. Hacke UG, [Jacobsen AL](#), Pratt RB. **2023**. Vessel diameter and vulnerability to drought-induced embolism: Within-tissue and across-species patterns and the issue of survivorship bias. *IAWA Journal*. Accepted.
5. [*Valdovinos-Ayala J](#), [*#Robles C](#), [*#Fickle JC](#), [^Pérez-de-Lis G](#), Pratt RB, [Jacobsen AL](#). **2022**. Seasonal patterns of increases in stem girth, vessel development, and hydraulic function in deciduous tree species. *Annals of Botany* 130: 355-365.
6. Fontes C, Pinto-Ledezma J, [Jacobsen AL](#), Pratt RB, Cavender-Bares J. **2022**. Adaptive variation among oaks in wood anatomical properties is shaped by climate of origin and shows limited plasticity across environments. *Functional Ecology* 36: 326-340.
7. Pratt RB, [Jacobsen AL](#), [*#Percolla MI](#), [*De Guzman ME](#), [#Traugh CA](#), [^Tobin MF](#). **2021**. Trade-offs among transport, support, and storage in xylem from shrubs in a semiarid chaparral environment tested with structural equation modeling. *PNAS* 118 (33) e2104336118.
8. [#Baer AB](#), [*#Fickle JC](#), [*Medina J](#), [*#Robles C](#), Pratt RB, [Jacobsen AL](#). 2021. Xylem biomechanics, water storage, and density within roots and shoots of an angiosperm tree species. *Journal of Experimental Botany* 72: 7984-7997.
9. [*#Percolla MI](#), [*#Fickle JC](#), [*RD Rodriguez-Zaccaro](#), RB Pratt, [AL Jacobsen](#). **2021**. Hydraulic function and conduit structure in the xylem of five oak species. *IAWA Journal* 42: 279-298.
10. [Jacobsen AL](#). **2021**. Diversity in conduit and pit structure among extant gymnosperm taxa. *American Journal of Botany* 108: 559-570.
11. [#Coleman ML](#), Mayence CE, White MD, [Jacobsen AL](#), Pratt RB. **2021**. A seed-seedling conflict for *Atriplex polycarpa* shrubs competing with exotic grasses and their residual dry matter. *Ecosphere* 12(4): e03455.
12. Pratt RB, Tobin MF, [Jacobsen AL](#), [#Traugh CA](#), [*De Guzman ME](#), [*Hayes CC](#), [*Toschi HS](#), [#MacKinnon ED](#), [*#Percolla MI](#), [*Clem ME](#), Smith PT. **2021**. Starch storage capacity of sapwood is related to dehydration avoidance during drought. *American Journal of Botany* 108: 91-101.
13. Kilgore JS, [Jacobsen AL](#), Telewski FW. **2020**. Hydraulics of *Pinus* (subsection Ponderosae) populations across an elevation gradient in the Santa Catalina Mountains of southern Arizona. *Madroño* 67: 218-226.
14. Batllori E, Lloret F, Aakala T, Anderegg WRL, Aynekulu E, Bendixsen DP, Bentouati A, Bigler C, Burk CJ, Camerero JJ, Colangelo M, Coop JD, Fensham R, Floyd ML, Galiano L, Ganey JL, Gonzalez P, [Jacobsen AL](#), Kane JM, Kitsberger T, Linares JC, Marchetti SB, Matusick G, Michaelian M, Navarro-Cerrillo RM, Pratt RB, Redmond MD, Rigling A, Ripullone F, Sangüesa-Barreda G, Sasal Y, Saura-Mas S, Suarez ML, Veblen TT, Vilá-Cabrera A, Vincke C, Zeeman B. **2020**. Forest replacement patterns following drought-induced mortality worldwide. *PNAS* 117: 29720-29729.
15. [Jacobsen AL](#), [*#Fickle JC](#), [*#Castro V](#), [#A Madsen](#), Ennajeh M, Pratt RB. **2020**. Node frequency alters stem biomechanics and hydraulics in four deciduous woody species. *Journal of Wood Science* 66: 26. <https://doi.org/10.1186/s10086-020-01873-4>
16. Pratt RB, [*#Castro V](#), [*#Fickle JC](#), [#A Madsen](#), [Jacobsen AL](#). **2020**. Factors controlling drought resistance in grapevine (*Vitis vinifera*, chardonnay): application of a new microCT method for assessing functional cavitation resistance. *American Journal of Botany* 107: 618-627.

17. Pratt RB, ***#Castro V, *#Fickle JC, Jacobsen AL. 2020.** Embolism resistance of different aged stems of a California oak species (*Quercus douglasii*): Optical and microCT methods differ from the benchtop-dehydration standard. *Tree Physiology* 40: 5-18. (journal cover)
18. **#Holmlund HI, Pratt RB, Jacobsen AL, Davis SD, Pittermann J. 2019.** High-resolution computed tomography reveals dynamics of desiccation and rehydration in fern petioles of a desiccation-tolerant fern. *New Phytologist* 224: 97-105. (journal cover)
19. Venturas MD, Pratt RB, **Jacobsen AL, *Castro V, *Fickle JC, Hacke UG. 2019.** Direct comparison of four methods to construct xylem vulnerability curves: differences among techniques are linked to vessel network characteristics. *Plant, Cell & Environment* 42: 2422-2436
20. Méndez-Alonzo R, Ewers FW, **Jacobsen AL, Pratt RB, Scoffoni C, Bartlett MK, Sack L. 2019.** Covariation between leaf hydraulics and biomechanics is driven by leaf density in Mediterranean shrubs. *Trees-Structure and Function* 33: 507-519.
21. **#Heaton EJ, #Thompson G, #Fetzer DA, Negrini RM, Wigand PE, Palacios-Fest MR, Lafever R, Jacobsen AL, Trigos C. 2019.** A Great Basin lake-level response to 38-34 ka Dansgaard-Oeschger oscillations. *Journal of Paleolimnology* 61: 263-278.
22. ***Rodriguez-Zaccaro FD, *Valdovinos-Ayala J, *#Percolla MI, Venturas MD, Pratt RB, Jacobsen AL. 2019.** Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current-year growth. *Plant, Cell & Environment* 42: 1816-1831.
23. **Jacobsen AL, Pratt RB, Venturas MD, Hacke UG. 2019.** Large volume vessels are vulnerable to water-stress-induced embolism in stems of poplar. *IAWA Journal* 40: 4-22.
24. Crous CJ, Drake DC, **Jacobsen AL, Pratt RB, Jacobs SM, Esler KJ. 2019.** Foliar nitrogen dynamics of an invasive legume compared to native non-legumes in fynbos riparian zones varying in water availability. *Water SA* 45: 103-109.
25. **Jacobsen AL, Pratt RB. 2018.** Going with the flow: Structural determinants of vascular tissue transport efficiency and safety. *Plant, Cell & Environment* 41: 2715-2717.
26. **Jacobsen AL, *Valdovinos-Ayala J, *Rodriguez-Zaccaro FD, *Hill-Crim MA, *#Percolla MI, ^Venturas MD. 2018.** Intra-organismal variation in the structure of plant vascular transport tissues in poplar trees. *Trees-Structure and Function* 32: 1335-1349.
27. **Jacobsen AL, Pratt RB. 2018.** Extensive drought-associated plant mortality as an agent of type-conversion in chaparral shrublands. *Tansley Insight. New Phytologist* 219: 498-504.
28. **Jacobsen AL, Pratt RB, #Alleman D, Davis SD. 2018.** Post-fire ecophysiology of endemic chaparral shrub seedlings from Santa Catalina Island, southern California. *Madroño* 65: 106-116.
29. Pratt RB, **Jacobsen AL. 2018.** Identifying which conduits are moving water in woody plants: A new HRCT-based method. *Tree Physiology* 38: 1200-1212.
30. **Jacobsen AL, *Valdovinos-Ayala J, Pratt RB. 2018.** Functional lifespans of xylem vessels: development, hydraulic function, and post-function of vessels in several species of woody plants. *American Journal of Botany* 105: 142-150.
31. Pratt RB, **Jacobsen AL. 2017.** Conflicting demands on angiosperm

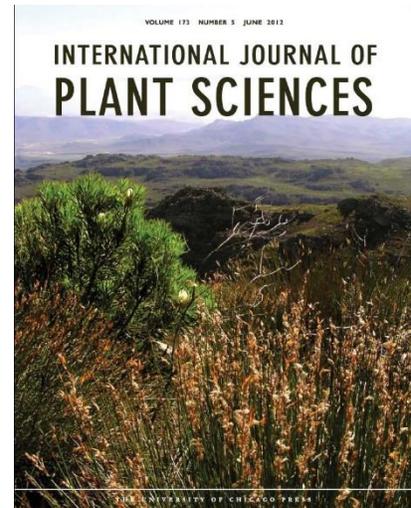


- xylem: tradeoffs among storage, transport, and biomechanics. *Plant, Cell and Environment* 40: 897-913.
32. **Jacobsen AL**, Tobin MF, ***Toschi HS**, ***Percolla MI**, Pratt RB. **2016**. Structural determinants of increased susceptibility to dehydration-induced cavitation in post-fire resprouting chaparral shrubs. *Plant, Cell and Environment* 39: 2473-2485.
 33. **^Venturas MD**, **#MacKinnon ED**, ***Dario HL**, **Jacobsen AL**, Pratt RB, Davis SD. **2016**. Chaparral shrub hydraulic traits, size, and life history types relate to species mortality during California's historic drought of 2014. *PLoS ONE* 11(7): e0159145.
 34. **^Venturas MD**, ***Rodriguez-Zaccaro FD**, ***Percolla MI**, **^Crous CJ**, **Jacobsen AL**, Pratt RB. **2016**. Single vessel air injection estimates of xylem resistance to cavitation are impacted by vessel network characteristics and sample length. *Tree Physiology* 36: 1247-1259.
 35. Gleason SM, Westoby M, Jansen S, Choat B, Brodribb TJ, Cochard H, Delzon S, Hacke UG, **Jacobsen AL**, Johnson DM, Lens F, Maherali H, Martínez-Vilalta J, Mayr S, McCulloh KA, Morris H, Nardini A, Plavcová L, Pratt RB, Schreiber SG, Zanne AE. **2016**. On research priorities to advance understanding of the safety-efficiency tradeoff in xylem. *New Phytologist* 209: 945-954.
 36. Sack L, Ball MC, Brodersen C, Davis SD, Des Marais DL, Donovan LA, Givnish TJ, Hacke UG, Huxman T, Jansen J, **Jacobsen AL**, Johnson D, Kock GW, Maurel C, McCulloh KA, McDowell NG, McElrone A, Meinzer FC, Melcher PJ, North G, Pellegrini M, Pockman WT, Pratt RB, Sala A, Santiago LS, Savagae JA, Scoffoni C, Sevanto S, Sperry J, Tyerman SD, Way D, Holbrook NM. **2016**. Plant hydraulics as a central hub integrating plant and ecosystem function: meeting report for 'Emerging frontiers in plant hydraulics' (Washington, DC, May 2015). *Plant, Cell & Environment* 39: 2085-2094.
 37. Pausas JG, Pratt RB, Keeley JE, **Jacobsen AL**, Ramirez AR, Vilagrosa A, Paula S, ***Kanekua-Pia IN**, Davis SD. **2016**. Towards understanding resprouting at the global scale. *New Phytologist* 209: 945-954.
 38. Gleason SM, Westoby M, Jansen S, Choat B, Hacke UG, Pratt RB, Bhaskar R, Brodribb TJ, Bucci SJ, Cao K-F, Cochard H, Delzon S, Domec J-C, Fan Z-X, Field TS, **Jacobsen AL**, Johnson DM, Lens F, Maherali H, Martínez-Vilalta J, Mayr S, McCulloh KA, Mencuccini M, Mitchell PJ, Morris H, Nardini A, Pittermann J, Plavcová L, Schreiber SG, Sperry JS, Wright IJ, Zanne AE. **2016**. Weak tradeoff between xylem safety and xylem-specific hydraulic efficiency across the world's woody plant species. *New Phytologist* 209: 123-136.
 39. Pratt RB, **#MacKinnon ED**, **^Venturas MD**, **^Crous CJ**, **Jacobsen AL**. **2015**. Root resistance to cavitation is accurately measured using a centrifuge technique. *Tree Physiology* 35: 185-196. (journal cover)
 40. **^Venturas MD**, **#MacKinnon ED**, **Jacobsen AL**, Pratt RB. **2015**. Excising stem samples under water at native tension does not induce xylem cavitation. *Plant, Cell and Environment* 38: 1060-1068.
 41. Hacke UG, **^Venturas MD**, **#MacKinnon ED**, **Jacobsen AL**, Sperry JS, Pratt RB. **2015**. The standard centrifuge method accurately measures vulnerability curves of long-vesselled olive stems. *New Phytologist* 205: 116-127.
 42. **#MacKinnon ED**, Pratt RB, **Jacobsen AL**. **2014**. Functional trait differences between weedy and non-weedy plants in southern California. *Madroño* 61: 328-338.
 43. **Jacobsen AL**, Pratt RB, Davis SD, **^Tobin MF**. **2014**. Geographic and seasonal variation in chaparral vulnerability to cavitation. *Madroño* 61: 317-327.
 44. **#Marais KE**, Pratt RB, Jacobs SM, **Jacobsen AL**, Esler KJ. **2014**. Postfire regeneration of resprouting



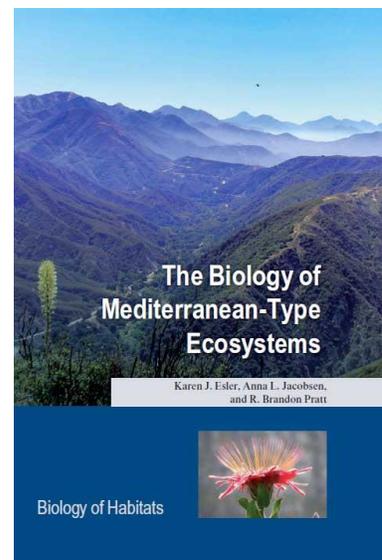
mountain fynbos shrubs: differentiating obligate resprouters and facultative seeders. *Plant Ecology* 215: 195-208.

45. Pratt RB, **Jacobsen AL**, *Ramirez AR, *Helms AM, #Traugh CA, ^Tobin MF, *Heffner MS, Davis SD. **2014**. Mortality of resprouting chaparral shrubs after a fire and during a record drought: physiological mechanisms and demographic consequences. *Global Change Biology* 20: 893-907.
46. #Paddock III WAS, Davis SD, Pratt RB, **Jacobsen AL**, ^Tobin MF, López-Portillo J, Ewers FW. **2013**. Factors determining mortality of adult chaparral shrubs in an extreme drought year in California. *Aliso* 31: 49-57.
47. ^Tobin MF, Pratt RB, **Jacobsen AL**, *De Guzman M. **2013**. Xylem vulnerability to cavitation can be accurately characterized in species with long vessels using a centrifuge method. *Plant Biology* 15: 496-504.
48. **Jacobsen AL**, Pratt RB. **2013**. Vulnerability to cavitation of central California *Arctostaphylos* (Ericaceae): A new analysis. *Oecologia* 171: 329-334.
49. Choat B, Jansen S, Brodribb TJ, Cochard H, Delzon S, Bhaskar R, Bucci SJ, Feild TS, Gleason SM, Hacke UG, **Jacobsen AL**, Lens F, Maherali H, Martínez-Vilalta J, Mayr S, Mencuccini M, Mitchell PJ, Nardini A, Pittermann J, Pratt RB, Sperry JS, Westoby M, Wright IJ, Zanne AE. **2012**. Global convergence in the vulnerability of forest to drought. *Nature* 491: 752-756.
50. **Jacobsen AL**, Pratt RB, ^Tobin MF, Hacke UG, Ewers FW. **2012**. A global analysis of xylem vessel length in woody plants. *American Journal of Botany* 99: 1583-1591.
51. Hacke UG, **Jacobsen AL**, Pratt RB, Maurel C, Lachenbruch B, Zwaizek J. **2012**. New research on plant-water relations examines the molecular, structural, and physiological mechanisms of plant responses to their environment. *New Phytologist* 196: 345-348.
52. Pratt RB, **Jacobsen AL**, *Hernandez J, Ewers FW, North GB, Davis SD. **2012**. Allocation tradeoffs among chaparral shrub seedlings with different lift history types (Rhamnaceae). *American Journal of Botany* 99: 1464-1476.
53. *Ramirez AR, Pratt RB, **Jacobsen AL**, Davis SD. **2012**. Exotic deer diminish post-fire resilience of native shrub communities on Santa Catalina Island, southern California. *Plant Ecology* 213: 1037-1047.
54. **Jacobsen AL**, Pratt RB. **2012**. No evidence for an open vessel effect in centrifuge-based vulnerability curves of a long vesselled liana (*Vitis vinifera* L.). *New Phytologist* 194: 982-990.
55. Pratt RB, **Jacobsen AL**, Jacobs SM, Esler KJ. **2012**. Xylem transport safety and efficiency differ among fynbos shrub life history types and between two sites differing in mean rainfall. *International Journal of Plant Sciences* 173:474-483. ([journal cover](#))
56. **Jacobsen AL**, Roets F, Jacobs SM, Esler KJ, Pratt RB. **2012**. Dieback and mortality of South African fynbos shrubs is likely driven by a novel pathogen and pathogen-induced hydraulic failure. *Austral Ecology* 37: 227-235.
57. Pratt RB, North GB, **Jacobsen AL**, Ewers FW, Davis SD. **2010**. Xylem root and shoot hydraulics is linked to life history type in chaparral seedlings. *Functional Ecology* 24: 70-81.
58. **Jacobsen AL**, Pratt RB, Moe LM, Ewers FW. **2009**. Plant community water use and invasibility of semi-arid shrublands by woody species in southern California. *Madroño* 56: 213-220.
59. Hacke UG, **Jacobsen AL**, Pratt RB. **2009**. Xylem function of arid-land shrubs from California, USA: an ecological and evolutionary analysis. *Plant, Cell & Environment* 32: 1324-1333.
60. **Jacobsen AL**, Esler KJ, Pratt RB, Ewers FW. **2009**. Water stress tolerance of shrubs in Mediterranean-



type climate regions: Convergence of fynbos and succulent karoo communities with California shrub communities. *American Journal of Botany* 96: 1445-1453.

61. Pratt RB, **Jacobsen AL**, Mohla R, Ewers FW, Davis SD. **2008**. Linkage between water stress tolerance and life history type in seedlings of nine chaparral species (Rhamnaceae). *Journal of Ecology* 96: 1252-1265.
62. **Jacobsen AL**, Pratt RB, Davis SD, Ewers FW. **2008**. Comparative community physiology: non-convergence in water relations among three semi-arid shrub communities. *New Phytologist* 180: 100-113.
63. Pratt RB, **Jacobsen AL**, North GB, Sack L, Schenk HJ. **2008**. Plant hydraulics: new discoveries in the pipeline. *New Phytologist* 179: 590-593.
64. Ewers FW, Ewers JM, **Jacobsen AL**, López-Portillo J. **2007**. Vessel redundancy: modeling safety in numbers. *IAWA Journal* 30: 373-388.
65. **Jacobsen AL**, Pratt RB, Davis SD, Ewers FW. **2007**. Cavitation resistance and seasonal hydraulics differ among three arid Californian plant communities. *Plant, Cell and Environment* 30: 1599-1609.
66. **Jacobsen AL**, Pratt RB, Ewers FW, Davis SD. **2007**. Cavitation resistance among twenty-six chaparral species of southern California. *Ecological Monographs* 77: 99-115.
67. **Jacobsen AL**, Agenbag L, Esler KJ, Pratt RB, Ewers FW, Davis SD. **2007**. Xylem density, biomechanics, and anatomical traits correlate with water stress in seventeen evergreen shrub species of the Mediterranean-type climate region of South Africa. *Journal of Ecology* 95: 171-183.
68. Pratt RB, **Jacobsen AL**, Ewers FW, Davis SD. **2007**. Relationships among xylem transport, biomechanics, and storage in stems and roots of nine Rhamnaceae species of the California chaparral. *New Phytologist* 174: 787-798.
69. Pratt RB, **Jacobsen AL**, Golgotiu KA, Sperry JS, Ewers FW, Davis SD. **2007**. Life history type coupled to water stress tolerance in nine Rhamnaceae species of the California chaparral. *Ecological Monographs* 77: 239-253.
70. **Jacobsen AL**, Ewers FW, Pratt RB, Paddock WA III, Davis SD. **2005**. Do xylem fibers affect vessel cavitation resistance? *Plant Physiology* 139: 546-556.
71. Pratt RB, Ewers FW, Lawson MC, **Jacobsen AL**, Brediger M, Davis SD. **2005**. Mechanisms for tolerating freeze-thaw stress of two evergreen chaparral species: *Rhus ovata* and *Malosma laurina* (Anacardiaceae). *American Journal of Botany* 92: 1102-1113.



Published Book

72. Esler KJ[#], **Jacobsen AL**[#], Pratt RB[#]. **2018**. The Biology of Mediterranean-type Ecosystems. Oxford University Press, pp. 336. Hardcover ISBN: 9780198739135, Paperback ISBN: 9780198739142368. ([#]All authors contributed equally to the writing and development of this book).

Published Chapters, Proceedings, and Technical Reports

(* denotes an undergraduate student; † denotes a graduate student)

73. Wu S, Al Dabagh R, **Jacobsen AL**, Holmlund H, Scalzo F. **2022**. Deep learning-based classification of plant xylem tissue from light micrographs. *Lecture Notes in Computer Science (LNCS)* 13599

74. Fettig CJ, Wuenschel A, Balachowski J, Butz RJ, **Jacobsen AL**, North MP, Ostoja SM, Pratt RB, Standiford RB. **2019**. Managing effects of drought in California. (Pp. 71-93 in *Effects of drought on forests and rangelands in the United States*. Vose, James M.; Peterson, David L.; Luce, Charles H.; Patel-Weynand, Toral., eds. Gen. Tech. Rep. WO-98. Washington, DC: U.S. Department of Agriculture Forest Service, Washington Office. 227 pages).
75. **Jacobsen AL**, *Rodriguez-Zaccaro FD, *Lee TF, *Valdovinos-Ayala J, *Toschi HS, † Martinez JA, Pratt RB. **2015**. Grapevine xylem development, architecture and function. (Pp. 133-162 in *Functional and Ecological Xylem Anatomy*. Ed. Hacke UG. Springer). (ALJ and all student researchers supported by NSF IOS-1252232)
76. Pratt RB, *Percolla MI, **Jacobsen AL**. **2015**. Integrative xylem analysis of chaparral shrubs. (Pp. 189-207 in *Functional and Ecological Xylem Anatomy*. Ed. Hacke UG. Springer).
77. Davis SD, Pratt RB, Ewers FW, **Jacobsen AL**. **2007**. Freezing tolerance impacts chaparral species distribution in the Santa Monica Mountains. (*In Flora and Ecology of the Santa Monica Mountains*. Ed. Knapp DA. Southern California Botanists Special Publication No. 4, Fullerton, CA). pp. 159-172.
78. **Jacobsen AL**, Pratt RB, Davis SD, Ewers FW. **2007**. Non-convergence in water stress tolerance among shrubs in three arid plant communities of southern California. (*In Proceedings of the MEDECOS XI 2007 Conference, 2-5 September, Perth, Australia*. Eds. D Rokich, G Wardell-Johnson, C Yates, J Stevens, K Dixon, R McLellan, G Moss. Kings Park and Botanic Garden, Perth, Australia). pp. 127-128.
79. Pratt RB, Mohla R, **Jacobsen AL**, Ewers FW, Davis SD. **2007**. Physiology and life history types in Rhamnaceae seedlings of the California chaparral. (*In Proceedings of the MEDECOS XI 2007 Conference, 2-5 September, Perth, Australia*. Eds. D Rokich, G Wardell-Johnson, C Yates, J Stevens, K Dixon, R McLellan, G Moss. Kings Park and Botanic Garden, Perth, Australia). pp. 195-196.
80. Davis SD, Pratt RB, **Jacobsen AL**, Jerkins EG, Osborne JB, Rowan NR, Ewers FW. **2007**. Phenotypic plasticity in xylem cavitation resistance of California chaparral. (*In Proceedings of the MEDECOS XI 2007 Conference, 2-5 September, Perth, Australia*. Eds. D Rokich, G Wardell-Johnson, C Yates, J Stevens, K Dixon, R McLellan, G Moss. Kings Park and Botanic Garden, Perth, Australia). pp. 63-64.
81. **Jacobsen AL**, Fabritius SL, Davis SD. **2004**. Fire frequency impacts non-sprouting chaparral shrubs in the Santa Monica Mountains of southern California. (*In Ecology, Conservation and Management of Mediterranean Climate Ecosystems*. Eds. M Arianoutsou, VP Papanastasis. Millpress, Rotterdam, Netherlands).

Published Book Reviews for Choice

'Choice: Current Reviews for Academic Libraries,' by the American Library Association

82. **Jacobsen AL**. **2022**. The flowering of ecology: Maria Sibylla Merian's caterpillar book by Kay A. Etheridge with translation by Michael Ritterson, Brill, 2021. *Choice* 59: 59-2881.
83. **Jacobsen AL**. **2022**. Roots to seeds: 400 years of Oxford botany by Stephen A. Harris, Oxford/Bodleian Library, 2021. *Choice* 59: 59-2269.
84. **Jacobsen AL**. **2018**. The book of seeds: A life-size guide to six hundred species from around the world by Paul Smith, Chicago, 2018. *Choice* 56: 56-0196.
85. **Jacobsen AL**. **2018**. Plant families: A guide for gardeners and botanists by Ross Bayton and Simon Maughan, University of Chicago Press, 2017. *Choice* 55: 55-3603.
86. **Jacobsen AL**. **2016**. What have plants ever done for us? by Stephen Harris, University of Oxford, 2015. *Choice* 53: 53-5246. doi:10.5860/CHOICE.196767
87. **Jacobsen AL**. **2015**. Plant life: a brief history by Frederick B. Essig. Oxford, 2015. *Choice* 52: 52-6384. doi:10.5860/CHOICE.191162

88. **Jacobsen AL. 2015.** Ecology and the environment ed. by Russell K. Monson. Springer, 2014. *Choice* 52: 52-5330. doi:10.5860/CHOICE.189747
89. **Jacobsen AL. 2015.** Seeds: ecology, biogeography, and evolution of dormancy and germination by Carol C. Baskin and Jerry M. Baskin. 2nd ed. Elsevier/Academic Press, 2014. *Choice* 52:52-4756. doi:10.5860/CHOICE.185809
90. **Jacobsen AL. 2014.** The evolution of plants by K. J. Willis and J. C. McElwain. 2nd ed. Oxford, 2014. *Choice* 52:52-0273; doi:10.5860/CHOICE.52-0273
91. **Jacobsen AL. 2014.** Endemism in vascular plants ed. by Carsten Hobohm. Springer, 2014. *Choice* 51:51-4431; doi:10.5860/CHOICE.51-4431
92. **Jacobsen AL. 2013.** Plant life of a desert archipelago: flora of the Sonoran islands in the Gulf of California by Richard Felger and Benjamin Theodore Wilder with Humberto Romero-Morales. Arizona, 2012. *Choice* 50:50-6757; doi:10.5860/CHOICE.50-6757
93. **Jacobsen AL. 2013.** Plant evolution and the origin of crop species by Hancock, James F. 3rd ed. CABI, 2012. *Choice* 50:50-3845; doi:10.5860/CHOICE.50-3845
94. **Jacobsen AL. 2013.** Wildflowers of California: a month-by-month guide by Blackwell, Laird R. California, 2012. *Choice* 50:50-2649; doi:10.5860/CHOICE.50-2649
95. **Jacobsen AL. 2012.** The pollination biology of North American orchids: v.1: North of Florida and Mexico by Argue, Charles L. Springer, 2012. *Choice* 49:49-6278; doi:10.5860/CHOICE.49-6278
96. **Jacobsen AL. 2012.** Natural history of San Francisco Bay by Ariel Rubissow Okamoto and Kathleen M. Wong. California, 2011. *Choice* 49:49-5047; doi:10.5860/CHOICE.49-5047
97. **Jacobsen AL. 2011.** Pollination and floral ecology by Willmer, Pat. Princeton, 2011. *Choice* 49:49-2063; doi:10.5860/CHOICE.49-2063
98. **Jacobsen AL. 2011.** Reaching for the sun: how plants work by King, John. 2nd ed. Cambridge, 2011. *Choice* 48:48-6887; doi:10.5860/CHOICE.48-6887

Grants, Awards, and Fellowships

Awarded External Grants and Fellowships

(arranged in reverse chronology by grant closing year)

Total awarded (as PI or Co-PI) = \$9,808,653

- 2022-2025: Co-PI, National Science Foundation, MRI: Acquisition of a Field Emission Scanning Electron Microscope for Interdisciplinary Research and Teaching at California State University, Bakersfield, NSF 2215523, \$520,050, (Liaosha Song, PI)
- 2020-2024: Co-Director, U.S. Department of Education, Promoting Excellence in Graduate Education and Increasing Hispanic STEM Related Degree Completion, P031M190029, \$2,999,230, (Debra Jackson, Director; Anna Jacobsen, Co-Director).
- 2016-2021: Senior Research Faculty, National Science Foundation, CSUB Crest Phase II: Climate Change and Natural Resource Solutions for Water-limited, Paired Mountain/Valley Systems, NSF HRD 1547784, \$4,832,291, (Robert M. Negrini, PI)
- 2019-2020: Co-PI and Lead grant writer, National Science Foundation, CREST Partnership Supplement: Drought resistance of woody plants from mediterranean-type climate regions: Supporting students through access to cutting-edge technology and a research-integrated international experience, NSF HRD 1547784 -005 (Proposal 1923222), \$99,994, (Eduardo Montoya, CREST Director, PI)
- 2013-2019: PI, CAREER Grant, National Science Foundation, Division of Integrative Organismal Systems 1252232; Examining xylem vessel network structure and function in woody plants using

- developmental and intra-organismal systems, \$739,834 (AL Jacobsen, PI)
- 2016-2017: Key Personnel, Department of Defense University Research Instrumentation Program (DURIP), Acquisition of a Micro-CT for Multi-Disciplinary Research, Teaching, and STEM Outreach at California State University, Bakersfield, \$496,665, (R. Brandon Pratt, PI)
- 2007-2008: Doctoral Dissertation Improvement Grant (DDIG), National Science Foundation, Division of Environmental Biology 0710020; \$11,089
- 2004-2007: Graduate Research Fellowship (GRF), National Science Foundation, \$90,000 (plus tuition and benefits)
- 2003-2004: Fulbright Scholarship (to South Africa), U.S. Student Fulbright Award, \$19,500

Awarded Internal Grants and Fellowships

- 2022-2023: Provost's Proposal Development Program (PDP), CSUB University Research Council, \$5,000 and 4 WTU
- 2020-2021: Provost's Proposal Development Program (PDP), CSUB University Research Council, \$5,000 and 4 WTU
- 2016-2017: Sabbatical, CSUB, Fall 2016
- 2013-2014: Graduate Student-Faculty Collaborative Initiative (with MS student Justin Martinez), CSUB Graduate Student Center, \$2,000 (\$1,500 to student, \$500 to faculty mentor)
- 2012-2013: Research, Scholarship, and Creative Activity Grant, CSUB University Research Council, \$4,984
- 2010-2011: Research, Scholarship, and Creative Activity Grant, CSUB University Research Council, \$4,930
- 2010-2011: Professional Development Grant, CSUB Faculty Teaching and Learning Center, \$300

Faculty Awards

2021-2022: Leadership and Service Award, California State University, Bakersfield

- 2020-2021: Gold Award for Excellence in Sponsored Programs, CSUB Grants, Research, and Sponsored Programs (awarded April 7, 2022)
- 2019-2020: Gold Award for Excellence in Sponsored Programs, CSUB Grants, Research, and Sponsored Programs (awarded March 25, 2021)
- #### **2018-2019: Faculty Scholarship & Creative Activity Award, California State University, Bakersfield**
- 2018-2019: Silver Award for Excellence in Sponsored Programs, CSUB Grants, Research, and Sponsored Programs (awarded March 5, 2020)
- 2017-2018: Affordable Learning Solutions, Faculty Recognition, CSUB
- 2017-2018: Gold Award for Excellence in Sponsored Programs, CSUB Grants, Research, and Sponsored Programs (awarded March 7, 2019)
- 2016-2017: Gold Award for Excellence in Sponsored Programs, CSUB Grants, Research, and Sponsored Programs (awarded March 1, 2018)
- 2015-2016: Gold Award for Excellence in Sponsored Programs, CSUB Grants, Research, and Sponsored Programs
- 2014-2015: Gold Award for Excellence in Sponsored Programs, CSUB Grants, Research, and Sponsored Programs
- 2013-2014: Research Excellence Award, CSUB Grants, Research, and Sponsored Programs

Professional Presentations

Invited Seminars/Presentations at Universities and Institutions

- 2023: Restoration of southern California shrublands following type-conversion to exotic grassland. (Co-presented with Brandon Pratt). Pepperdine University, CA, USA. April 14.
- 2023: Chaparral shrub xylem structure-function: Diverse hydraulic strategies and differential susceptibility to drought, Faculty Scholarship Seminar Series, CSU Bakersfield. February 6.
- 2022: Data-Driven Graduate Mentoring in the Sciences: CSUB Title Vb STEM Graduate Excellence Grant. NSME Teacher-Scholar Lecture Series, CSU Bakersfield. December 1.
- 2022: Plant hydraulics: Key lessons from water transport studies in chaparral. Dr. Stephen D. Davis Retirement Symposium, Field notes from the chaparral, Pepperdine University, Malibu, CA, USA. May 13.
- 2021: MicroCT as a transformative technology in plant biology research. (Co-presented with Brandon Pratt). Pepperdine University, CA, USA. November 16.
- 2019: Moving water through wood: Structure and function of the vascular network of woody plants. Invited Seminar Speaker. Reed College, Portland, Oregon, USA. November 15.
- 2019: Water and wood: Hydraulic structure and function of trees. Invited Plenary Speaker. 2nd Annual School of Business and Public Administration Research Conference. CSU Bakersfield. March 15.
- 2018: A global context for chaparral ecology and conservation: Shared mediterranean-type ecosystem patterns and processes. University of California, Santa Barbara. November 5.
- 2017: Vessel development and hydraulic functional lifespan in woody plants. California State University, Humboldt. September 29.
- 2017: Plant hydraulic structure and function: Moving water through cells, tissues, and trees. NSME Dean's Seminar. California State University, Bakersfield. September 7.
- 2017: Development, hydraulic function, and hydraulic failure of woody plant xylem vessels. California State University, Fresno. April 28.
- 2017: Woody plant xylem vessels: Development, hydraulic function, and hydraulic failure. University of Vermont. April 6.
- 2016: Mediterranean-type shrubs and drought: A chaparral perspective. Pepperdine University. (AL Jacobsen & RB Pratt). October 25.
- 2014: Chaparral shrub community resilience in response to extreme drought and fire. California State University, Chico. (AL Jacobsen & RB Pratt). March 7.
- 2011: The structure and function of xylem vessels: vessel length and plant water transport. California State University, Fullerton. March 2.
- 2010: Evolutionary convergence in xylem structure and function among woody plant species inhabiting biodiverse California and South Africa shrublands. Whittier College.
- 2009: Unique plant structure and function relations: a comparison of arid and semi-arid Mediterranean-type climate region shrublands. California State Polytechnic University, Pomona. October 9.
- 2008: Plant functional convergence in water stress tolerance in Mediterranean-type ecosystems. University of Hawaii at Manoa.
- 2008: Comparative shrub community hydraulics. California State University, Fullerton. Structure and Function of Plant Hydraulic Systems Symposium.
- 2008: Plant water use strategies in arid shrublands: Convergence and divergence. Pepperdine University. Celebration of Science, Scholarship, and Students Symposium.
- 2007: Convergent evolution in arid shrublands. Pepperdine University. Weekly Natural Science Seminar Series.

- 2007: Mediterranean-type Ecosystems. Occidental College.
- 2007: Future directions in wood anatomy. US/NSF National Evolutionary Synthesis Centre and the ARC-AZ Research Center for Vegetation Study, NESCent Headquarters, Durham, NC. Working Group 27C.
- 2006: A celebration of undergraduate research. Pepperdine University. Summer Undergraduate Research in Biology Program Alumni Speaker.
- 2005: Convergence in plant structure and function: South Africa and California. Calvin College, Grand Rapids, MI. Biology Seminar Series.
- 2004: Vegetation-type conversion in response to short fire return intervals in California chaparral. National Parks Service, Santa Monica Mountains National Recreation Area, Thousand Oaks, CA 91360. Oct.

Selected Conference Presentations

- 2022: Chaparral shrub wood structure illustrates diverse hydraulic strategies and differential susceptibility to drought. California Native Plant Society, Annual Conference, San Jose, CA, 20-22 October, 2022. **(Invited speaker)**
- 2019: Plant tissue alternations during dehydration and rehydration of resurrection fern. MicroCT User Meeting. Mechelen, Belgium, June 4-5, 2019.
- 2018: Changes in hydraulic function through alterations in vessel lifespan. Gordon Research Conference, Plasticity in Plant Vascular Systems: Roles, Limits and Consequences, Mt. Snow, Vermont, June 17-22, 2018. **(Invited speaker)**
- 2018: Quantification of ancient and modern wood microstructure using microCT. MicroCT User Meeting. Ghent, Belgium. April 16-19, 2018.
- 2018: Plant hydraulics of chaparral shrub species along an elevational gradient in the southern Sierra Nevada: Foothill woodland, chaparral, and mixed forest Chaparral Session. California Native Plant Society Conservation Conference, Los Angeles, CA, Feb 1-3, 2018. **(Invited speaker)**
- 2016: Xylem vessel development in the secondary xylem of woody plants. (Presented in an organized symposium, "Wood: Biology of a living tissue.") BOTANY 2016, Savannah, GA, July 30-Aug 3, 2016. **(Invited speaker)**
- 2014: The vascular system of resprouting chaparral shrubs differs in structure and function from co-occurring unburned plants. Mediterranean ecosystems international conference (MEDECOS XIII). Olmué, Chile, October 6-9, 2014.
- 2014: Modern imaging of plant material and measures of plant hydraulics. International Workshop on Plant Hydraulic Techniques, Ulm, Germany. September 17-19, 2014. **(Invited speaker)**
- 2014: Centrifuge measures of xylem resistance to cavitation: the current debate and best practices for the future. Ecological Society of America Annual Meeting. Sacramento, CA, August 10-15, 2014. (Contributed oral paper)
- 2014: Comparative ecophysiology of arid and semi-arid Mediterranean-type climate shrublands. Jacobsen AL, Pratt RB. April 12, 2014. California Botanical Society, Centennial Symposium. **(Invited speaker)**
- 2013: Xylem vessel development: The prevalence of differentiating, living, and hydraulically functional vessel elements in grapevine. Botany 2013, New Orleans, LA, July 27-31, 2013. (Presented in an organized colloquium, "Xylem apoplast-symplast interactions. Symposium organized by AL Jacobsen and UG Hacke) **(Invited speaker)**
- 2012: Xylem vessel length of woody plants: An ecological and evolutionary analysis. Jacobsen AL, Pratt RB, Tobin MF, Hacke U, Ewers FW. Botany 2012, Columbus, OH, July 7-11, 2012.
- 2012: Xylem vessel length of woody plants: A global analysis. Canadian Society of Plant Biologist Annual

- Meeting, Edmonton, Canada, June 25-27, 2012. (Contributed oral paper)
- 2012: Grapevine cavitation resistance can be accurately characterized using a centrifuge technique. Jacobsen AL, RB Pratt. Southern California Academy of Sciences, Eagle Rock, CA, May 4-5, 2012. **(Invited speaker)**
- 2011: Chaparral seedling ecophysiology of three island endemics from Santa Catalina Island, southern California. Jacobsen AL, Pratt RB. MEDECOS XII, International Mediterranean Ecosystems Conference, Los Angeles, CA, Sept. 5-9, 2011. **(Invited speaker)**
- 2011: Xylem vessel length and centrifuge measures of xylem cavitation resistance. Jacobsen AL, Pratt RB, Tobin MF. Ecological Society of America, 96th Annual Meeting, Austin, Texas, Aug 7-12, 2011. (Contributed oral paper)
- 2011: Developmental changes in xylem vessel structure in resprouting chaparral shrubs. Jacobsen AL, *Quaresma RM, *Bersentes MA, Tobin MF, Pratt RB. Southern California Academy of Sciences, California State Polytechnic University, Pomona, CA, May 6-7, 2011. **(Invited speaker)**
- 2010: Xylem vessel length distributions of chaparral shrubs. Jacobsen AL, Tobin MF, Pratt RB. Botanical Society of America, Botany 2010, Providence, RI, July 31-Aug 4, 2010. (Contributed oral paper)
- 2009: An ecological and evolutionary analysis of xylem function and anatomy of aridland shrubs from southern California. Ecological Society of America Abstracts, 94th Annual Meeting, Albuquerque, New Mexico. 2009. **(Invited speaker)**
- 2008: Comparative shrub community hydraulics in Mediterranean-type Ecosystems. Interfaces, South Africa. 2008. **(Invited plenary speaker; co-sponsored by SAEON and SANBI)**.
- 2008: Coastal sage water relations and potential invisibility. Jacobsen AL, Pratt RB. Southern California Academy of Sciences Annual Meeting. California State University, Dominguez Hills. 2008. **(Invited speaker)**
- 2008: Short fire return intervals impact non-sprouting chaparral species in the Santa Monica Mountains of southern California. Pacific Coast Fire Conference: Changing fire regimes, goals, and ecosystems, San Diego, California. 2008. **(Invited speaker)**
- 2007: Non-convergence in water stress tolerance among shrubs in three arid plant communities of southern California. Jacobsen AL, Pratt RB, Davis SD, Ewers FW. MEDECOS XI, International Mediterranean Ecosystems Conference, Perth, Western Australia. 2007.
- 2007: Support for a fiber inclusive model of cavitation resistance. Jacobsen AL, Pratt RB. Ecological Society of America Abstracts, 92nd Annual Meeting, San Jose, California. 2007. **Billings Award**.
- 2006: Water stress tolerance among shrubs in three arid plant communities of southern California. Jacobsen AL, Pratt RB, Davis SD, Ewers FW. Botany 2006, Chico, California.
- 2005: Convergence of xylem structure and function: California chaparral and South African fynbos. Jacobsen AL, Davis SD, Pratt RB, Ewers FW. Botany 2005, Austin, Texas. **(Invited speaker)**
- 2004: Fire frequency impacts non-sprouting chaparral shrubs in the Santa Monica Mountains of southern California. Jacobsen AL, Fabritius SL, Davis SD. MEDECOS, Rhodes, Greece.
- 2004: Vegetation-type conversion in response to short fire return intervals in California chaparral. Jacobsen AL, Davis SD, Fabritius SL. Ecological Society of America Abstracts, 89th Annual Meeting, Portland, Oregon.
- 2003: Tradeoffs among xylem efficiency, safety, and strength in twenty-two species of chaparral shrubs. Jacobsen AL, Davis SD, Ewers FW, Kern KA, Paddock WA. Ecological Society of America Abstracts, 88th Annual Meeting, Savannah, Georgia.
- 2003: Tradeoffs among xylem efficiency, safety, and strength in twenty-two species of chaparral shrubs. Jacobsen AL, Davis SD, Ewers FW, Kern KA. Fourth International Plant Biomechanics Conference, East Lansing, Michigan.
- 2003: Plant biomechanics, safety, and efficiency in twenty-two species of chaparral shrubs. Jacobsen AL, Davis SD, Ewers FW, Kern KA, Paddock, III WA. 2003 Southern California Conference on

Biomechanics.

2002: Wood density, xylem conductive efficiency and xylem cavitation resistance in twenty-two species of chaparral shrubs. Jacobsen AL, Davis SD. Ecological Society of America Abstracts, 87th Annual Meeting, Tucson, Arizona.

Selected Professional Affiliations and Memberships

Botanical Society of America
California Botanical Society
California Native Plant Society
Ecological Society of America
International Association of Wood Anatomists
International Society for Mediterranean Ecology
Southern California Botanists
Southern California Academy of Sciences

Teaching and Student Mentorship

Teaching (CSU Bakersfield courses)

- Biology 100/1009 *Perspectives in Biology*
- Biology 203/2120 *Introductory Biology: Plants*
- Biology 4550 *Plant Structure and Function*
- Biology 470/4100 *Evolution*
- Biology 490/4910/4918 *Senior Seminar*
- Biology 505/5010 *Current Topics in Biology*
- Biology 540/5911 *Graduate Practicum in the Teaching of Biology*
- Biology 605/6010 *Seminar in Biology*
- Science 355E/3009 *California Natural History*

Student Research Mentorship

Post-doctoral Researchers and Visiting Research Scholars

1. Dr. Gonzalo Perez de Lis, Post-doctoral Fulbright Scholar, 2019-2022 (supported by a Fulbright Fellowship from Spain)
2. Dr. Mustapha Ennajeh, Fulbright Scholar, 2018-2019 (supported by a Fulbright Fellowship from Tunisia)
3. Dr. Martin D. Venturas, Post-doctoral Research Scholar, CSU Bakersfield, Jan 2014-Jan 2015 (supported by Technical University of Madrid Legado González Esparcia Grant)
4. Dr. Casper Crous, Post-doctoral Research Scholar, Fall 2014 (supported by the Forest & Agricultural Biotechnology Institute, South Africa)

Doctoral & Dissertation Committees and Review

5. Mark DeGuzman, PhD committee member, University of California, Riverside, CA, USA, PhD Ecology, Summer 2017, "Characterization of Drought Hydraulic Strategies of Neotropical

Lowland Forests”

6. Johannes Jacobus Kellerman, External Examiner, MSc dissertation, University of Cape Town, South Africa, 2015, “Hydraulic trait variation in *Protea repens* with change in climate in space and time”
7. Martin D. Venturas, External Dissertation Reviewer, Forestry Engineering School, Technical University of Madrid, Spain, 2013, “Estudio de la ecología de *Ulmus laevis* Pallas en la Península Ibérica”

Master's Student Thesis Mentoring

(*ALJ-associated student research support funding included parenthetically*)

8. Antonio Matiero, Graduate committee member, MSc Biology, in progress.
9. Jacob Spriester, Graduate committee member, MSc Biology, Fall 2021 (*supported by NSF HRD-1547784*), “Rooting depth is linked to drought mortality and dehydration tolerance strategies of six chaparral shrubs” (**CSUB School of Natural Sciences, Mathematics, & Engineering Outstanding Graduate Thesis Award**)
10. Viridiana Castro, Graduate committee member, MSc Biology, Fall 2020 (*supported by NSF HRD-1547784*), “Balancing different functional demands in plant vascular tissue: Do conduit connections affect embolism propagation and transport efficiency?”
11. Jaycie Fickle, MS Biology Advisor, MSc Biology, Summer 2020 (*supported by NSF HRD-1547784*), “Xylem structure and hydraulic function in the roots and stems of chaparral shrub species that occur at a high and low elevation site in the southern Sierra Nevada mountains, California” (**CSUB School of Natural Sciences, Mathematics, & Engineering Outstanding Graduate of the School 2021; Western Association of Graduate Schools (WAGS) and ProQuest 2021-2022 Distinguished Master's Award in STEM Disciplines**)
12. Marta Percolla, MS Biology Advisor, MSc Biology, Spring 2019 (*supported by NSF CAREER grant IOS-1252232 and NSF HRD-1547784*), “Tracheids and vessels contribute to xylem hydraulic efficiency and safety of five California *Quercus* species (Fagaceae) along an elevation gradient” (**CSUB School of Natural Sciences, Mathematics, & Engineering Outstanding Graduate Thesis Award**) (**CSUB School of Natural Sciences, Mathematics, & Engineering Outstanding Graduating Graduate**)
13. Aaron Baumgardner, Graduate committee member, MSc Biology, Summer 2018 (*supported by NSF HRD-1547784*), “Ecological effects of drought with a focus on intra-annual environmental factors: A case study examining Southern California chaparral shrublands”
14. Alex Baer, MS Biology Advisor, MSc Biology, Spring 2018 (*supported by NSF CAREER grant IOS-1252232 and CSUB Student Research Scholars Program 2016-2017*), “Xylem functional traits at different tree positions within *Populus trichocarpa*.”
15. Mitchell Coleman, Graduate committee member, MSc Biology, Fall 2017, “Factors affecting seedling recruitment of the desert shrub *Atriplex polycarpa* (Torr.) S. Watson (Chenopodiaceae) in the San Joaquin Valley of California” (**CSUB School of Natural Sciences, Mathematics, & Engineering Outstanding Graduating Graduate**)
16. Dawn Fetzer, Graduate committee member, MSc Geology, Spring 2015, “Study of Summer Lake, OR BB3-I Core via Biogeochemical Molecular and Isotopic Analysis for Paleoclimate Reconstruction”
17. Justin Martinez, MS Biology Advisor, MSc Biology, Winter 2016 (*supported by a CSUB Graduate Student-Faculty Collaborative Initiative, CSUB Graduate Student Center 2013-2014 and CSUB Student Research Scholars Program 2014-2015*), “Seasonal hydraulics of grapevine.”

18. Evan D. MacKinnon, MS Biology Co-advisor, MSc Biology, Spring 2013, "A trait-based approach to restoring southern California habitats invaded by the Mediterranean grass *Bromus madritensis* ssp. *rubens* (Poaceae)" (**CSUB School of Natural Sciences, Mathematics, & Engineering Outstanding Graduate Thesis Award**) (**CSUB School of Natural Sciences, Mathematics, & Engineering Outstanding Graduating Graduate**)
19. Courtney Traugh, Graduate committee member, MSc Biology, Summer 2012, "Stem and root xylem trade-offs in carbohydrate storage, water stress tolerance, and biomechanics or sprouting and non-sprouting chaparral species"
20. Heather Keldgord, Graduate committee member, MSc Biology, Summer 2012, "The distribution of sexes across a rainfall gradient in a subdioecious southern California chaparral shrub *Rhus ovata* S. Watson (Anacardiaceae)"
21. Robert Atwood, Graduate committee member, MSc Biology, Spring 2012, "Genetic variation among populations of the Bakersfield cactus *Opuntia basilaris* var. *treleasei*, based on amplified fragment length polymorphisms"

Undergraduate Student Research Mentorship

(Student research support funding information included parenthetically)

1. Tagacy Valdez, 2022-2023 (Research Council of the University, 2022-2023; *Summer Undergraduate Research Experience, SURE 2022; Jacobsen lab*)
2. Fernando Tenorio, 2022 (*Summer Undergraduate Research Experience, SURE; Jacobsen lab*)
3. Sara Ortiz, 2022 (*Summer Undergraduate Research Experience, SURE; Jacobsen lab*)
4. Lhea Domondon, 2022 (*Summer Undergraduate Research Experience, SURE; Jacobsen lab*)
5. Muhammad Ali, 2022 (*Summer Undergraduate Research Experience, SURE; Jacobsen lab*)
6. Natalie Hernandez, 2021 (*Summer Undergraduate Research Experience, SURE; Jacobsen & Pratt labs*)
7. Jessica Espinoza, 2021 (*Summer Undergraduate Research Experience, SURE; Jacobsen lab*)
8. Wyatt Beller, 2021 (*Summer Undergraduate Research Experience, SURE; Jacobsen & Pratt labs*)
9. Dorothy Tran, 2021 (*Summer Undergraduate Research Experience, SURE; Jacobsen lab*)
10. Karely Rodriguez, 2021 (*Summer Undergraduate Research Experience, SURE; Jacobsen & Pratt labs*)
11. Alyssa Valdovinos 2020 (*NSF CREST Supplement*)
12. Ashley Osario 2020 (*NSF CREST Supplement*)
13. Jackeline Medina Arreguin, 2016-2019, graduated Spring 2019 (*NSF CAREER grant IOS-1252232*)
14. Jaycie Fickle, 2016-2018, graduated Spring 2018 (*NSF CAREER grant IOS-1252232, CSUB Student Research Scholars Program 2017-2018*)
15. Catherine Sanchez, 2016-2018, graduated Spring 2018 (**CSUB Biology Outstanding Graduating Senior**) (*NSF CAREER grant IOS-1252232*)
16. Jessica Valdovinos-Ayala, 2013-2017, graduated Spring 2016 (*Research, Scholarship, and Creative Activity Grant, CSUB University Research Council, 2012-13, and NSF CAREER grant IOS-1252232*)
17. Marta Percolla, 2012-2016, graduated Fall 2015 (*CSUB Student Research Scholars Program 2012-2013 and NSF CAREER grant IOS-1252232 2014-2016*)
18. F. Daniela Rodriguez-Zaccaro, 2012-2016, graduated Spring 2016 (**CSUB School of Natural Sciences, Mathematics, & Engineering Outstanding Graduating Senior**) (*Research, Scholarship, and Creative Activity Grant, CSUB University Research Council, 2012-13 and NSF CAREER grant IOS-1252232*)
19. M. Angela Hill-Crim, 2015, graduated Spring 2015 (*NSF CAREER grant IOS-1252232*)
20. Jesica Gonzalez, 2015, graduated Spring 2015 (*NSF CAREER grant IOS-1252232*)

21. Lawrence Ignacio, 2015, graduated Spring 2015 (*NSF CAREER grant IOS-1252232*)
22. Michael Clem, 2015, graduated Fall 2016 (*NSF CAREER grant IOS-1252232*)
23. Shana Carey, 2015, graduated Spring 2015 (*NSF CAREER grant IOS-1252232*)
24. Hayden Toschi, 2014-2015, graduated Winter 2015 (*NSF CAREER grant IOS-1252232*)
25. Mark Bersentes, 2011-2012, degree not completed (*CSUB Student Research Scholars Program 2011-2012*)
26. Tamani Gause (now Tamani Lee), 2010-2012, graduated Winter 2013 (*Research, Scholarship, and Creative Activity Grant, CSUB University Research Council, 2010-2011*)
27. Alanisha Woods, 2010-2012, graduated Spring 2012
28. Raeanne M. Quaresma, 2010-2011, graduated Spring 2012 (**CSUB Department of Biology Outstanding Graduating Senior**)
29. Sergio Barrera, 2009-2011, graduated summer 2013
30. Gilberto Uribe Valdez, 2009-2010, graduated Spring 2010
31. Haley O'Mara, 2008-2010, graduated Spring 2010
32. Mark De Guzman, 2009-2010, graduated Spring 2010
33. Aaron Ramirez, 2006-2008, graduated Fall 2008. (**CSUB School of Natural Sciences, Mathematics, & Engineering Outstanding Graduating Senior**)

High School: Student and Teacher Mentorship

(REVS-UP) - Research Experience Vitalizing Science - University Program (program discontinued)

This program supported high school students and local high school teachers as they worked with CSUB faculty on science-related summer research projects.

Summer 2015:

34. Daisy Buenrostro
35. Viviana Firo
36. Brooke Herrera

Summer 2014:

37. Ryan Romero
38. Jackie Lopez
39. Estevan Ramirez (high school teacher)

Student Presentations at National and International Conferences

Selected Student Conference Presentations

(presenter is underlined; * denotes an undergraduate student; † denotes a graduate student)

- Pérez-de-Lis G (post-doctoral researcher), Pratt RB, García-González I, Spriester J†, Jacobsen AL. 2022. Timeline of earlywood vessel and leaf development in the ring-porous *Quercus lobata* under non-freezing climatic conditions. Xylem International Meeting XIM5. Wurzburg, German, Sept 19-21, 2022.
- Pérez-de-Lis G (post-doctoral researcher), Pratt RB, Spriester J†, García-González I, Jacobsen AL. 2022. Evaluating the functional lifespan of ring-porous earlywood vessels in *Quercus lobata* under non-freezing mediterranean-type climate conditions. Ecological Society of America Annual Meeting. Montreal, Canada, Aug 18, 2022.

- Fickle JC[†], Percolla MI[†], Jacobsen AL, Pratt RB. 2019. Risk of freeze-thaw induced vascular system damage in chaparral shrub species at low and high elevation. California Botanical Society 27th Graduate Student Symposium. San Luis Obispo, CA, April 6, 2019.
- Castro V[†], Jacobsen AL, Pratt RB. 2019. Balancing different functional demands in plant vascular tissue: Does resprouting affect vascular structure and function. California Botanical Society 27th Graduate Student Symposium. San Luis Obispo, CA, April 6, 2019.
- Percolla MI[†], Jacobsen AL, Pratt RB. 2017. Examining the role of tracheids and vessels in determining xylem efficiency and safety of five California native *Quercus* species (Fagaceae). Gordon Research Conference, Plasticity in Plant Vascular Systems: Roles, Limits and Consequences. Mt. Snow, VT, June 17-22, 2018.
- Valdovinos-Ayala J^{*}, Jacobsen AL. 2017. Intra-organismal variation in xylem and phloem conduit structure in poplar trees. Ecological Society of America Annual Meeting. Portland, OR, August 6-11, 2017.
- Percolla MI[†], Jacobsen AL, Pratt RB. 2017. Xylem vessel structure, hydraulic efficiency and safety of shrub species at an interior mixed chaparral site. Ecological Society of America Annual Meeting. Portland, OR, August 6-11, 2017.
- Baer AB[†], Pratt RB, Jacobsen AL. 2017. Variation in capacitance of small and large diameter roots and stems within poplar tree xylem (*Populus trichocarpa*). Ecological Society of America Annual Meeting. Portland, OR, August 6-11, 2017.
- Baumgardner AW[†], Jacobsen AL, Pratt RB. 2017. 'Drought regime': A concept to aid understanding of how drought affects species and systems. Ecological Society of America Annual Meeting. Portland, OR, August 6-11, 2017.
- Baer AB[†], Jacobsen AL. 2016. Poplar tree biomechanics varies with position within a tree. Southern California Academy of Sciences. Los Angeles, CA, May 6-7, 2016.
- Valdovinos-Ayala J^{*}, Rodriguez-Zaccaro FD^{*}, Jacobsen AL. 2015. Xylem vessel structure of current year growth varies with cambial age. Ecological Society of America Annual Meeting. Baltimore, MD, August 9-14, 2015. **Physiological Ecology Section Student Travel Award recipient.**
- ^{*}Rodriguez-Zaccaro FD, Jacobsen AL. 2015. Plant hydraulic safety and efficiency change with tree cambial age in current year growth. Ecological Society of America Annual Meeting. Baltimore, MD, August 9-14, 2015.
- ^{*}Percolla MI, Jacobsen AL, Tobin MF, Pratt RB. 2015. Xylem vessel length, hydraulic efficiency, and safety from drought-induced cavitation. Ecological Society of America Annual Meeting. Baltimore, MD, August 9-14, 2015.
- Venturas MD (post-doctoral researcher), MacKinnon ED[†], Dario HL^{*}, Jacobsen AL, Pratt RB, Davis SD. 2015. Differential mortality in chaparral species during California's 2014 historic drought is related to life history and hydraulic traits. Ecological Society of America Annual Meeting. Baltimore, MD, August 9-14, 2015.
- ^{*}Rodriguez-Zaccaro FD, ^{*}MacKinnon ED, Jacobsen AL. 2014. Tree hydraulic function changes with cambial age. 2014. Poster. Ecological Society of America Annual Meeting. Sacramento, CA, August 10-15, 2014. (CSUB Poster competition 3rd place award recipient, Spring 2015).
- ^{*}Percolla MI, ^{*}MacKinnon ED, Pratt RB, Jacobsen AL, Tobin MF. 2014. The number of vessel connections is linked to xylem transport safety and efficiency in stems and roots of chaparral shrubs. Oral Paper. Ecological Society of America Annual Meeting. Sacramento, CA, August 10-15, 2014. **Physiological Ecology Section Student Travel Award recipient.**
- ^{*}Toschi H, Percolla MI, ^{*}MacKinnon ED, Pratt RB, Jacobsen AL. 2014. Xylem structure of roots is linked to leaf habit in southern California chaparral shrubs. Oral Paper. Ecological Society of America Annual Meeting. Sacramento, CA, August 10-15, 2014.
- ^{*}Valdez E, ^{*}Dong T, ^{*}Koshkin S, Pratt RB, Jacobsen AL, ^{*}MacKinnon ED, Tobin MF. 2014. Comparison of

- hydraulic design of an evergreen and a deciduous chaparral shrub. Poster. Ecological Society of America Annual Meeting. Sacramento, CA, August 10-15, 2014.
- Venturas MD (post-doctoral researcher), Hacke UG, Jacobsen AL, *MacKinnon ED, Sperry JS, Pratt RB. 2014. The standard centrifuge method accurately measures vulnerability curves in a long-vesselled tree. Oral Paper. Ecological Society of America Annual Meeting. Sacramento, CA, August 10-15, 2014.
- *Martinez JA. 2014. Grapevine water use varies seasonally and between different varieties. Oral Paper. 28th Annual California State University Student Research Competition, hosted by CSU East Bay. May 2-3, 2014.
- *Percolla M, Pratt RB, Jacobsen AL, Tobin MF. 2013. Reduced number of vessel connections is positively associated with greater cavitation resistance to water stress in chaparral shrubs. Poster. Botanical Society of America, Botany 2013, New Orleans, LA, July 27-31, 2013. **Physiological Section Best Student Presentation.**
- *Quaresma RM, Jacobsen AL, Pratt RB, Tobin MF. 2011. Xylem vessel structure is linked to functional shifts between post-fire resprouting and unburned chaparral shrubs. Oral Paper. Ecological Society of America, 96th Annual Meeting, Austin, Texas, Aug 7-12, 2011.
- *De Guzman M, Tobin MF, Jacobsen AL, *O'Mara HP, Pratt RB. 2010. Carbon assimilation rates in the post-fire sprouting chaparral shrub species with different life history types. Oral Paper. Botanical Society of America, Botany 2010, Providence, RI. **Physiological Section Li-COR Prize for best student physiology presentation.**
- *Traugh CL, Pratt RB, Jacobsen AL, Tobin MF. 2010. Storage of non-structural carbohydrates in the xylem of woody chaparral shrubs may come at the cost of reduced stem mechanical strength. Oral Paper. Botanical Society of America, Botany 2010, Providence, RI. **Vernon I. Cheadle Student Travel Award recipient.**
- *Whitelock C, Pratt RB, Smith P, Jacobsen AL, Tobin M, *Traugh C, *Nyugen C, *Barrera S. 2010. Are xylem traits in chaparral species phylogenetically conserved? Poster. Botanical Society of America, Botany 2010, Providence, RI. **Vernon I. Cheadle Student Travel Award recipient.**
- *O'Mara HP, Pratt RB, Jacobsen AL. 2009. Ecophysiology of an invasive alien plant species (*Erodium cicutarium*) in the southern Central Valley, California. Ecological Society of America Abstracts, 94th Annual Meeting, Albuquerque, New Mexico. **Best Student Presentation, Student Section, Ecological Society of America.**
- *Traugh, CA, Pratt RB, Jacobsen AL, *Ramirez AR, *Kaneakua IN, *Helms AM, Davis SD. 2009. Lignotuber carbohydrate storage differs between different life history types in chaparral (Rosaceae). Ecological Society of America Abstracts, 94th Annual Meeting, Albuquerque, New Mexico.
- *Ramirez AR, Pratt RB, Jacobsen AL, Davis SD. 2008. Deer browse effects on post-fire Coastal Sage regeneration on Santa Catalina Island. Southern California Academy of Sciences Annual Meeting. California State University, Dominguez Hills.
- *Ramirez AR, Pratt RB, Jacobsen AL, Davis SD. 2007. Deer browse and post-fire resprout failure of a chaparral shrub (*Heteromeles arbutifolia*) on Santa Catalina Island. Southern California Conference for Undergraduate Research, California State University, Los Angeles, CA.

Student Presentations at Local and Regional Conferences and Events

Selected Student Presentations

2023. Tagacy Valdez. Structure of water-conducting vessels in leaves of several woody plants. CSU Bakersfield Student Research Competition. March 3, 2023.

2022. Muhammad Ali, Lhea Domondon, Sara Ortiz, Fernando Tenorio, Tagacy Valdez, Graduate mentor: Danica Bergin, Faculty mentor: Dr. Anna L. Jacobsen. Leaf vessel length and leaf-stem connections: Structure of water transport pathways in woody plants. SURE Poster Presentation. August 4, 2022.
2021. Jessica Espinoza & Dorothy Tran, Post-doctoral Mentor: Dr. Perez de Lis, Faculty Mentor: Dr. Anna L. Jacobsen. Oak trees and their response to drought and climate events. SURE Poster Presentation. August 19, 2021.
2021. Karely Rodriguez, Natalie Hernandez, Wyatt Beller, Graduate Mentor: Ms. Jordan Holmes, Faculty Mentor: Dr. Anna L. Jacobsen. Seed bank density and viability in Santa Catalina chaparral shrub species. SURE Poster Presentation. August 19, 2021.
2020. Jaycie Fickle. Xylem structure and hydraulic function in the roots and stems of chaparral shrub species in the Sierra Nevada. CSU Bakersfield Student Research Competition. March 6, 2020. **First place award winner*
2020. Viridiana Castro. Balancing different functional demands in plant vascular tissue: Do conduit connections affect embolism propagation and transport efficiency? CSU Bakersfield Student Research Competition. March 6, 2020.
2020. Jacob Spriester. Identifying rooting depth patterns of chaparral shrubs using stable isotopes. CSU Bakersfield Student Research Competition. March 6, 2020.
2019. Viridiana Castro. The Effect of drought on water transport within plants. CSUB Grad Slam Competition, Western Association of Graduate Schools. December 6, 2019.
2019. Jaycie Fickle. Vascular structure and hydraulic function in the stems and roots of shrubs. CSUB Grad Slam Competition, Western Association of Graduate Schools. December 6, 2019.
2019. Angela Madsen. Soil bacteria and ant interactions with fava bean. CSUB Grad Slam Competition, Western Association of Graduate Schools. December 6, 2019. **First place award winner*
2019. Jacob Spriester. Using stable isotopes to determine water sources of woody plants. CSUB Grad Slam Competition, Western Association of Graduate Schools. December 6, 2019.
2018. Mitchell Coleman. CSU Bakersfield Student Research Competition. March 9, 2018. **First place award winner*
2018. Jaycie Fickle. CSU Bakersfield Student Research Competition. March 9, 2018.
2017. Alex Baer. Xylem Structure and Function Relationships as Investigated Using Within Tree Position to Vary Wood Traits in Poplar (*Populus trichocarpa*). CSU Bakersfield Student Research Competition. March 10, 2017.
2017. Marta Percolla. Xylem Vessel Structure, Hydraulic Efficiency and Safety of Shrub Species at an Interior Mixed Chaparral Site. CSU Bakersfield Student Research Competition. March 10, 2017.
2017. Jaycie Fickle. Vessel-to-Vessel Pit Membrane Area is Correlated with Hydraulic Transport Traits in *Populus trichocarpa*. CSU-side Student Research Competition. Cal Poly San Luis Obispo. April 28-29, 2017.
2017. Jaycie Fickle. Vessel-to-Vessel Pit Membrane Area is Correlated with Hydraulic Transport Traits in *Populus trichocarpa*. CSU Bakersfield Student Research Competition. March 10, 2017. **First place award winner*
2017. Jackeline Medina Arreguin. Percentage of Fibers in Xylem affects mechanical strength and Stiffness in Poplar Tree wood. CSU Bakersfield Student Research Competition. March 10, 2017.
2017. Catherine Sanchez. Vessel Diameter and Cavitation Resistance in *Populus trichocarpa*. CSU Bakersfield Student Research Competition. March 10, 2017.
2017. Mitchell Coleman. Factors affecting *Atriplex polycarpa* (Chenopodiaceae) Seedling Recruitment in Non-Native Annual Grasslands in the San Joaquin Valley of California: The Role of Thatch Competition. CSU Bakersfield Student Research Competition. March 10, 2017.
2014. Justin Martinez. CSU-wide Student Research Competition. CSU East Bay. May 2-3, 2014.
2014. Justin Martinez. CSU Bakersfield Student Research Competition. March 14, 2014. **First place*

award winner

2013. Evan MacKinnon. CSU Bakersfield Student Research Competition. March 15, 2013. **First place award winner*

2013. Marta Percolla. CSU Bakersfield Student Research Competition. March 15, 2013.

Student Grants

Selected Student Grants

(* denotes an undergraduate student; † denotes a graduate student)

2017-2018. *Fickle, J. C. CSUB Student Research Scholars Program. “The effect of tree age on the hydraulic transport of apical branches of poplar tree”. \$2000.

2016-2017. †Baer, A. CSUB Student Research Scholars Program. “Variation in capacitance between roots and stems within poplar tree xylem (*Populus trichocarpa*)”. \$2000.

2013-2014. †Martinez, J. A.; CSUB Student Research Scholars Program. “The effect of vessel occlusions on the hydraulic efficiency of grapevines”. \$2000.

2013-2014. †Martinez, J. A.. CSUB Graduate Student-Faculty Collaborative Initiative, Graduate Student Center. “The effect of vessel occlusions on the hydraulic efficiency of grapevines”. \$2000.

2012-2013. *Percolla, M. I. CSUB Student Research Scholars Program. “Comparative wood porosity in stems and roots of different species and in response to wounding”. \$2000.

2011-2012. *Bersentes, M. CSUB Student Research Scholars Program. “Structural shifts in the hydraulic transport system of burned and unburned California native chaparral shrubs”. \$2000.

2010-2011. *Gause, T. CSUB Student Research Scholars Program. “Three-dimensional analysis of the xylem of grapevine”. \$2000.

Professional Service and Outreach

Service to CSUB Department of Biology

Advising

Undergraduate student advising (~50-120 assigned student advises each year), 2010-present

Council member, Council of Faculty Advisors, 2020-2023

Faculty Co-Advisor for the Biology Club, 2015-2021

Graduate Program Director

Biology Graduate Director, California State University, Bakersfield, 2011-2020

Activities and responsibilities:

- Represent MS Biology Program at graduate outreach events

- Review and process student applications for admission to the program

- Coordinate application review with the Graduate Committee

- Attend Graduate Student Orientation each fall to meet with incoming students

- Advise students within the program

- Maintain the Biology Graduate Guide

- Coordinate graduate course offerings and instructors

Track student degree progress and process applications for advancement
Serve as a member of the CSUB Graduate Coordinators Council
Coordinate graduate program assessment

Service to CSUB School of Natural Sciences, Mathematics, and Engineering

School-level Committees and Boards

Committee member, Biology representative, NSME Curriculum Committee, 2014, 2020-2022
Board member, At-large representative, Board for the Center for Environmental Studies, 2018-2021
Committee member, Botanical Garden planning, NSME Dean's Office, 2016-2018

University-wide Service

University-level Committees and Boards

Boards

CSUB Foundation Board, May 2020-May 2023
Board of Directors, Auxiliary for Sponsored Programs Administration, California State University, Bakersfield, 2014-2019, 2020-2022
Graduate Student Center Advisory Board, California State University, Bakersfield, 2011-2012

Standing Committees

Chair (2023, **elected**) and Committee member, Graduate Policies and Curriculum Committee, Graduate Studies Committee, Standing Committee, 2019-2023 (present)
Committee member, Faculty Advisory Committee for Grants & Sponsored Research (FAC-RSCA), 2022-2023 (present)
Committee member, Committee on Professional Responsibility (CPR) (**elected**), 2021-2023, 2023-2025 (present)
Committee member, Faculty Affairs Committee, Academic Senate Standing Committee, 2014-2015, 2015-2016, 2016-2017, 2020-2021, 2021-2022, 2022-2023 (present)
Council member, Graduate Studies Committee (formerly Council of Graduate Directors), 2011-present
Committee member, Fulbright Committee, 2019-present
Council member, Student Research Competition Advisory Council, 2017-2022
Committee member, Research Council of the University (**elected**), 2015-2017, 2017-2019, 2019-2021
Committee member, Faculty Honors and Awards Committee (**elected**), Alternate Representative for A&H, 2017-2019
Senator, Academic Senate (**elected**), NSME Representative, 2013, 2014-2016, 2017-2018, 2018-2019
Vice-Chair, Faculty Affairs Committee, 2015-2016

Ad hoc Committees and Task Forces

Task Force of the CSUB Academic Senate on New Department Formation Policies and Procedures, Fall 2021
Ad hoc Grants Committee, Spring & Summer 2021, produced report "Faculty Grant Submissions, Management, and Success at CSUB: Findings and Recommendations of the CSUB Ad hoc Grants Committee" August 16, 2021.

Task Force of the Council of Graduate Directors on Graduate Culminating Experiences, 2020-2021
Task Force of the Council of Graduate Directors on Graduate Program Appeals, Spring 2019
Task Force of the Council of Graduate Directors on Graduate Student Assistants (GA, TA, & RA), Spring 2016
Task Force of the CSUB Academic Senate on SOCI (updating SOCI format and questions) (Bruce Hartsell as committee chair), 2015-2016

Search Committees

Chair, Associate Dean of Graduate and Undergraduate Studies Search Committee (**elected**), 2021-2022
Committee member, Associate Dean of Graduate and Undergraduate Studies Search Committee (**elected**), Spring 2019
Committee member, Associate NSME Dean Search Committee Member (**elected**), Fall 2017

Community Service

Presentations to community groups and outreach

- 2021. Girl Scout Troop 8043. Invited activity leader. "Calculating the age of natural objects: Counting tree rings." November 3.
- 2020. Catalina Island Conservancy. Invited Symposium Speaker (AL Jacobsen & RB Pratt). "Recovery of Santa Catalina Island Chaparral Following the 2007 Island Fire: Deer Effects on Seedling Recruitment, Survival, and Maturity of Obligate-Seeding Species." Stewardship in a Changing World: 21st Century Conservation on Catalina Island. October 8.
- 2020. California Native Plant Society, Kern Chapter. Invited Seminar Speaker. "Drought caused tree death and replacement patters." December 17.
- 2020. Bakersfield Area Skeptics Society. Invited Seminar Speaker. "Fire in California: Chaparral risk and recovery." February 19.
- 2049. Climate is Calling. Panelist. Pepperdine University. April 10.
- 2019. Kern Audubon. Invited Seminar. (AL Jacobsen & RB Pratt). "The biology of mediterranean-type shrublands: A focus on drought in southern California." March 5.
- 2019. Catalina Island Conservancy. Invited Lecture for "Last Friday Lecture Series" at the Nature Center. (AL Jacobsen & RB Pratt). "The biology of mediterranean-type shrublands: Catalina Island in a global context." February 22.
- 2018. Sierra Club. Invited Seminar. (AL Jacobsen & RB Pratt). "The biology of mediterranean-type ecosystems." October 6.
- 2018. Presentation to the 4th-8th grade class (with Dr. R. Brandon Pratt) from the Kern River Environmental Magnet meeting at Kernville Elementary in Kernville, CA on the California Channel Islands. September 13.
- 2017. California Native Plant Society, Kern Chapter. Invited Seminar Speaker. "Mediterranean shrublands." November 16.
- 2015. Bakersfield Area Skeptics Society. Invited Seminar Speaker. "Fire, drought, and the resilience of mediterranean-type shrubland ecosystems." October 21.
- 2015. Presentation to a 2nd grade school class (with Dr. R. Brandon Pratt) at Frank West Elementary in Bakersfield, CA on trees. April 13.
- 2014. Audubon Society collaboration to produce a sign describing the ecological context of the Environmental Studies Area of the City of Bakersfield. Sign installed Summer 2014 along the bike path near Don Hart Dr. East.

2014. Wind Wolves Preserve Nature Festival. Nature Hike Leader. (AL Jacobsen & RB Pratt). “Invasive plant species and drought in arid regions.” April 12.
2013. California Native Plant Society, Kern Chapter. Invited Seminar Speaker (AL Jacobsen & RB Pratt). “Fire and chaparral: California’s unique and biodiverse shrublands.” February 21.
2011. Presentation to a 5th/6th grade school class at Eagle Rock Elementary in LA Unified School District on the plants of southern California and fire. March 2.
2011. Sierra Club, Kern-Kaweah Chapter, Bakersfield. Invited Seminary Speaker (AL Jacobsen & RB Pratt). “Fire and chaparral: California’s unique and biodiverse shrublands.”

Professional Services

Journal editorial and reviewer boards

- Editorial Review Board, Plant, Cell & Environment, 2021-present
- Reviewer Board, Tree Physiology, 2020-present
- Board of Editors, Madroño, California Botanical Society, 2012-2015

Service to professional associations

- Program Director, Physiological Section of the Botanical Society of America, 2019-2021
- Conference co-organizer (with R. Brandon Pratt), California Botanical Society annual meeting 2016, Bakersfield, CA
- Organized Oral Symposium co-organizer (with James D. Lewis, Melanie J.B. Zeppel, and Henry D. Adams), Ecological Society of America, Baltimore, MD, 2015
- Committee member, Triarch “Botanical Images” Student Travel Award (formerly the Conant Botanical Image Award), Botanical Society of America (2012-2016)
- Committee member, Vernon I. Cheadle Student Travel Award, Botanical Society of America (2010-2013)

Service to other university programs

- Habilitation evaluation, Dr. Tadeja Savi, Plant Ecophysiology, University of Natural Resources and Life Sciences, Vienna, 2021
- External Program Reviewer, Texas A&M International University, MS Biology Program, 2016

Referee for federal agencies

- National Science Foundation
- USGS
- United States – Israel, Binational Agricultural Research and Development Fund (BARD)

Peer-reviewer for numerous scientific journals, including the following selection:

- American Journal of Botany*
- Ecological Monographs*
- Functional Ecology*
- New Phytologist*
- Oecologia*
- Plant, Cell & Environment*
- Plant Physiology*
- Tree Physiology*
- Trees – Structure and Function*

Media, Interviews, and Press Releases

Media and interviews

September 1, 2022 "California's Climate Makes It Especially Vulnerable to Global Warming" The New York Times by Soumya Karlamangla.

<https://www.nytimes.com/2022/09/01/us/california-climate-global-warming.html>

April 22, 2021 17 News and Sunrise, KGET Sunrise Interviews "Earth Day: Changing climate and eco-friendly tips"

<https://www.kget.com/sunrise-interviews/earth-day-changing-climate-and-eco-friendly-tips/>

April 19, 2021 "The race against the climate crisis" by Alex Beall

<https://www.calstate.edu/csu-system/news/Pages/race-against-climate-crisis.aspx>

January 21, 2021 "Dr Jacobsen & Dr Pratt Explain How Similar Bakersfield's Climate Is To That Of The Mediterranean While Touching On The Science Behind The Shrubs & Trees In Both Regions" Episode 080 – Our Two Cents Podcast

<https://ourtwocentspodcast.libsyn.com/080-the-science-behind-trees-shrubs-in-a-mediterranean-climate>

February 2020 "Studying California oak vascular adaptations using new and traditional imaging methods" https://calbotsoc.org/wp-content/uploads/2014/02/Nemophila_Feb2020_V2.pdf

Sept. 12, 2016 "Scientists gather to study the secrets of plants' plumbing." Newswise

https://www.newswise.com/doescience/scientists-gather-to-study-secrets-of-plants-plumbing/?article_id=660608

Sept. 9, 2016 "Plant-a-thon." ALS Communications <https://als.exposure.co/plantathon-at-the-als>

June 1, 2015 "Memorial research: Texas Tech undergraduate students band together to conduct research in remembrance of a classmate." The Scientist. <https://www.the-scientist.com/notebook/memorial-research-35379>

January 2010 Invasive species and fire in California ecosystems. Fremontia 38 (2/3): 29-36.

https://cnps.org/wp-content/uploads/2018/03/Fremontia_Vol38-No2-3.pdf

Local reports

October 19, 2022 "Giant sequoia tree population faces large decline due to wildfires." By Kaitlyn Milan, Runner News.

<https://therunneronline.com/33728/news/giant-sequoia-tree-population-faces-large-decline-due-to-wildfires/>

October, 2018 Tejon Ranch Conservancy Researcher Showcase.

<https://express.adobe.com/page/WPGxLdbJQieGU/>

June 23, 2016 Drought effects on chaparral shrublands on Tejon Ranch. Tejon Ranch Conservancy.



Giant sequoia tree population faces large decline due to wildfires

Kaitlyn Milan, News Reporter
October 19, 2022



- <http://tejonconservancy.blogspot.com/2016/06/drought-effects-on-chaparral-shrublands.html>
April 9, 2016 California Botanical Society's Annual Banquet in Bakersfield, CA. Nemophila.
<https://calbotsoc.org/wp-content/uploads/2014/02/Nemophila1.2.pdf>
<https://calbotsoc.org/wp-content/uploads/2014/02/Nemophila1.3.pdf>
August 14, 2014 "A new sign worth checking out." Bakersfield California.
https://www.bakersfield.com/opinion/new-sign-worth-checking-out/article_859b4631-3d82-5fa9-a5a4-7d47d5251d24.html
Spring 2013 "Science on Fire." Pepperdine Magazine. <https://www.pepperdine.edu/magazine/spring-2013/science-fire.htm>
Dec. 13, 2012 World's forests at risk of injury from drought. Central Valley Business Times.
<http://www.centralvalleybusinesstimes.com/stories/001/?ID=22486>

Press releases

- Spring 2023 GSC Newsletter (CSUB Graduate Student Center). "Faculty Profile: Dr. Anna L. Jacobsen" Vol. 5 (2): pg. 7. <https://maindata.csub.edu/media/57041/download?attachment=>
September 2, 2022. "CSUB faculty member receives National Science Foundation Major Research Instrumentation grant: Funding will support acquisition of new field emission scanning electron microscope" <https://news.csub.edu/csub-faculty-member-receives-national-science-foundation-major-research-instrumentation-grant>
June 7, 2022 "Making people smile: Biology graduate Jessica Valdovinos-Ayala works toward dream of becoming a dentist" <https://news.csub.edu/making-people-smile>
January 20, 2022 "Alumna wins regional graduate student award: Jaycie Fickle earns top STEM award from Western Association of Graduate Schools" <https://news.csub.edu/alumna-wins-regional-graduate-student-award>
October 27, 2021 "From roots to shoots: Biology alum Alex Baer publishes research on wood function throughout trees" <https://news.csub.edu/from-roots-to-shoots>
August 30, 2021 "Vascular function in woody plants: Dr. Pratt and team publish research in prestigious journal" by Kelly Ardis <https://news.csub.edu/vascular-function-in-woody-plants>
August 10, 2021 "Being a human scientist" by Kelly Ardis <https://news.csub.edu/being-a-human-scientist>
June 24, 2021 "The women leaders of CSUB" <https://news.csub.edu/the-women-leaders-of-csub>
January 22, 2021 "Measuring our air: New Eddy Flux tower installed on campus" <https://news.csub.edu/measuring-our-air-new-eddy-flux-tower-installed-on-campus>
November 9, 2020 "CSUB faculty members part of international team researching drought-related tree death " <https://news.csub.edu/csub-faculty-members-part-of-international-team-researching-droughtrelated-tree-death>
June 25, 2020 "CREST program supports student climate research" <https://news.csub.edu/crest-program-supports-student-climate-research>
February 19, 2020 "Fulbright Scholar Joins CSUB Biology Team" <https://www.csub.edu/news/2020-02-19-fulbright-scholar-joins-csub-biology-team>
September 25, 2019 "From California to South Africa: A Biologist's dream" by Lauren Hill at The Runner. <https://therunneronline.com/24293/uncategorized/from-california-to-south-africa-a-biologists-dream/>
August 23, 2018 CSUB Honors Faculty, Staff Members with Top Awards.
<https://www.csub.edu/~ajacobsen/FINAL%20CSUB%20Honors%20Top%20Awards.pdf>
Dec. 26, 2013 Drought and fire work together to alter California shrub systems.
<https://www.csub.edu/biology/files/Global%20Change%20Biology%20Release.pdf>



**ADVANCED
EDUCATIONAL STUDIES**
CSU BAKERSFIELD

April 20, 2023

To Whom It May Concern

academicsenateoffice@csub.edu

Dear Colleagues of the Faculty Ombudsperson Search Committee:

Ms. Beth Bywaters sent three rounds of *Calls for Interest* this month, and no one has applied. The deadline for this application is only one workday away. I am submitting this application under the current circumstance. As a faculty member of CSUB for 30 years, I would model after wonderful colleagues, including Dr. Debbie Boschini, for supporting neutral and impartial dispute resolution in the Ombudsperson capacity.

To justify my fit for the job responsibility, the attached vitae documents my background in reporting and policy analysis. As an Associate Editor of Sage Publication, Journal of School Leadership, I write professional feedback and fair recommendations through a peer review process. In addition, I offered services in *Consultation, Referral, and Dispute Resolution* when chairing my department that houses six academic programs during my term in 2022-2008. In alignment with the Ombudsperson duty, I served on the Senate Professional Responsibility Committee for eight years (2003-2006, 2018-Present).

In terms of qualification, I am a tenured faculty member. Beyond the service in my department, I served in the Dean's search committees that hired Dr. Julio Blanco of NSME and Dr. Curtis Guaglianone. I also worked with Drs. Jackie Kegley and Debbie Boschini in two committees, went through a strenuous process, and hired two consecutive Ed.D. program directors. Built on my experience in, and knowledge of, the university policies, procedures, and regulations, I have the needed communication skills, as illustrated by my scholarly work at <http://www.csub.edu/~jwang>. More specifically, I am an attentive listener with analytic skills to address the demands of our diverse faculty community. My conflict resolution skills are not only confined to my past role as a department chair, but also grounded in my extensive work on academic governance, for which I often wrote

Advanced Educational Studies Department

California State University, Bakersfield

9001 Stockdale Hwy. • Bakersfield, CA 93311

661.654.3055 csub.edu/sse

THE CALIFORNIA STATE UNIVERSITY

the governance standards for national accreditation when serving on the Board of Examiners for the National Council for Accreditation of Teacher Education (NCATE) during 2007-2016. Furthermore, I have current knowledge about university resources and unit administration, per stipulation of reporting the impact of our federal grants (\$3 million from the PPOHA program and \$5 million from HIS-STEM).

For verification of my qualifications, don't hesitate to get in touch with Mr. John Nylon (a former CSU trustee) and Dr. James Rodriguez (the SSE Dean). Mr. Nylon knows the fair mindset I demonstrated in my annual report to help recruit over \$8 million of the state tobacco tax for his [commission](#) each year. Dean Rodriguez is the CSUB academic supervisor supporting my recent publication in the [Journal of Nursing Measurement](#).

In summary, I have attempted to address the application requirements. Please let me know if additional information is needed.

Thank you for your attention.

Sincerely,



JJ Wang, Ph.D.
Professor

Vitae

Jianjun Wang, Professor
Department of Advanced Educational Studies
California State University
Bakersfield, CA 93311-1099
Phone: (661) 654-3048
E-mail: jwang@csub.edu

Educational Background

Ph.D., 1993 – Education, Kansas State University (Advisor: John Staver at Purdue)
Defended thesis on the Second International Science Study (SISS) in Summer, 1993
Ph.D. Candidacy, 1993 – Statistics, Kansas State University (Advisor: Dalla Johnson)
Passed the second Ph.D. Qualifying Examination in Spring, 1993
M.S., 1993 -- Statistics, Kansas State University (Advisor: Arlin Feyerherm)
Defended thesis on Shrinkage Regression in December, 1992
M.S., Physics, Beijing Normal University, 1987 (Advisor: Ping Li)
Defended thesis on fuzzy function construction in Spring, 1987
B.S., Physics, Anhui Teacher's College, 1982

Postdoctoral Training

- **Quantitative Training Certificates in Data Science (hyperlink embedded):**
 - [Determining Power and Sample Size Using SAS/STAT Software](#) (2022)
 - [Design and Analysis of Probability Surveys](#) (2022)
 - [Discrete Choice Modeling](#) (2023)
 - [Clustering Technique, Complex Data \(Multivariate\)](#) (2022)
 - [Visual Analytics](#) (2022)
 - [SQL Essentials](#) (2021)
 - [Enterprise Miner](#) (2021)
 - [Data Science Statistical Methods](#) (2021)
 - [Multilevel & Longitudinal Modeling](#) (2021)
 - [Network Optimization Using Viya](#) (2021)
 - [Viya/R Integration](#) (2021)
 - [Python Integration](#) (2021)
 - [Predictive Modeling](#) (2021)
 - [Structural Equation Modeling](#) (2021)
 - [Time Series Modeling](#) (2021)
 - [Text Analytics](#) (2020)
 - [Machine Learning](#) (2020)
 - [Bayesian Analysis](#) (2020)
 - [Machine Learning Using Viya](#) (2020)
 - [Survival/Hazards Modeling](#) (2020)
 - [Visual Data Mining](#) (2020)
 - [Categorical Data Analysis](#) (2020)

- **Research Methodology Preparation**

- The 2021 Summer Research Institute on *Improving Evaluations of R&D in STEM Education* funded by NSF (reference: Larry Hedges at Northwestern University) --
https://www.nsf.gov/awardsearch/showAward?AWD_ID=1937719
- Certificate from the 2019 National Assessment of Educational Progress (NAEP) data training workshop (National Center for Educational Statistics)
- Certificate of Training in Research Design by National Center for Education Research, 2014
- Certificate of Training in Quasi-Experimental Design by National Center for Education Research, 2010
- Mplus Software Training: Cross-sectional and longitudinal analyses with categorical latent Variables, American Educational Research Association (AERA), PDC02, 2009
- Using the TIMSS 2007 international database for secondary data analysis (AERA 2009, Professional Development Course), 2009
- Certificate for the NAEP transcript data analysis, National Center for Educational Statistics (NCES), 2008
- Certificate for NHES and ECLS data analysis (NCES), 2003
- Certificate for the TIMSS-R data analysis (NCES), 2001
- Certificate for the NAEP data analysis (NCES), 2001
- Certificate from an Advanced Institute for Research on Hierarchical Linear Modeling (sponsored by the AERA Research Grant Program), 1999

Evaluation Reports

- **Longitudinal Project:** Annual Reports for Proposition 10 in Early Childhood Education since 2012 with an average budget of over \$10 million per year (hyperlink embedded for reports in ERIC Documentation:

2023 – <https://files.eric.ed.gov/fulltext/ED626036.pdf>
2022 – <https://files.eric.ed.gov/fulltext/ED618879.pdf>
2021 -- <https://files.eric.ed.gov/fulltext/ED610410.pdf>
2020 -- <https://files.eric.ed.gov/fulltext/ED602896.pdf>
2019 -- <https://files.eric.ed.gov/fulltext/ED593233.pdf>
2018 -- <https://files.eric.ed.gov/fulltext/ED582032.pdf>
2017 -- <http://files.eric.ed.gov/fulltext/ED572434.pdf>
2016 -- <http://files.eric.ed.gov/fulltext/ED564008.pdf>
2015 -- <http://files.eric.ed.gov/fulltext/ED553754.pdf>.
2014 -- <http://files.eric.ed.gov/fulltext/ED545555.pdf>
2013 -- <http://files.eric.ed.gov/fulltext/ED539378.pdf>
2012 -- <http://files.eric.ed.gov/fulltext/ED538687.pdf>

- **Cross-sectional Projects**

- Wang, J. (2023). *Strengthening STEM education for Latinx students*. A peer-reviewed report for the federal PPOHA grant. Link <https://eric.ed.gov/?q=Jianjun+Wang&id=ED626945>
- Wang, J. (2023). *Preparation for expanding equitable pathways for in-demand STEM careers at*

- Hispanic Serving Institution*. A peer-reviewed report for the federal HIS-STEM grant. Link <https://eric.ed.gov/?q=Jianjun+Wang&id=ED626433>
- Wang, J. (2022). *PPOHA Project Evaluation: Strengthening STEM Education of Latinx Students for Graduate Degree Completion*. Report for a Title Vb grant that received \$2,997,950 from the U.S. Department of Education (award number P031M190029).
- Wang, J. (2021). *PPOHA Project Evaluation: Promoting program quality and accessibility for STEM graduate degree completion*. Report for a Title Vb grant that received \$2,997,950 from the U.S. Department of Education (award number P031M190029).
- Wang, J., & Sun, J. (2018). *Cost benefit analysis of First 5 Kern-funded programs*. Link <https://files.eric.ed.gov/fulltext/ED584348.pdf>.
- Wang, J. (2015). *Models for Information Assurance Education and Outreach: Year 3 and Summative Report*. NSF STEM grant report at <http://eric.ed.gov/?q=jianjun+wang&id=ED559709>.
- Wang, J. (2014). *Models for Information Assurance Education and Outreach: A Report on Year 2 implementation*. NSF STEM grant report at <http://files.eric.ed.gov/fulltext/ED546861.pdf>.
- Wang, J. (2014). *Summative evaluation of the CSUB Robert Noyce Scholarship Program*. NSF STEM grant report at <http://files.eric.ed.gov/fulltext/ED545563.pdf>.
- Wang, J. (2013). *Models for Information Assurance Education and Outreach: A Report on Year 1 Implementation*. NSF STEM grant report at <http://files.eric.ed.gov/fulltext/ED545559.pdf>.
- Wang, J. (2013). *Creative collaboration between Chevron and CSUB: Research Experience Vitalizing Science – University Program*. Chevron STEM grant at <http://files.eric.ed.gov/fulltext/ED543805.pdf>.
- Wang, J. (2013). *The Robert Noyce Scholarship Program at CSUB (III)*. NSF STEM grant report at <http://files.eric.ed.gov/fulltext/ED541047.pdf>.
- Smith, T., Gorden, B., Colby, S., & Wang, J. (2005). [An examination of the relationship between depth of student learning and National Board certification status](#). Boone, NC: Appalachian State University. (A report for National Board Certification)

PI or Co-PI of Research Grants

- U.S. Department of Education’s NAEP Secondary Data Analysis Program, \$96,878, 2004-2006, Co-P.I. with Xin Ma at the University of Kentucky;
- Carnegie Foundation’s validation study of the National Board of Professional Teaching Standards, 2003-2005, Co-P.I. with Tracy Smith at ASU;
- The AERA Research Grants Program, \$25,000, 1996-1998, P.I. for analyzing the NELS:88 data;
- The AERA Research Grants Program, \$13,513, 1995-1996, P.I. for analyzing comparative education data from the Second International Science Study (SISS);
- Spencer Foundation, \$12,000, 1994-1995, P.I. on an IEA data analysis project.
- Student Quality Assurance Impact Research Project (SQuAIR) of the CSU Chancellor’s Office 2016 – present, ongoing funding of undisclosed amount to 15 campuses;
- NSF DUE 1241636: Models for Information Assurance Education and Outreach,

- \$267,351.00, 2013-2016 (with PI and Co-PI of Melissa Danforth and Charles Lam);
- Chevron Cooperation, Principal Investigator, REVS-UP, \$30,000, 2013;
- Pavilion Foundation, Research Grant, \$57,000, 2009-2011;
- Pavilion Foundation, Research Grant, \$91,000, 2008-2009;
- Carnegie Foundation Project, Research Consultant/Co-P.I. for a validation study of the National Board of Professional Teaching Standards, 2003-2005;
- NCES and NSF, Principal Investigator for a research grant awarded by the AERA Research Grants Program, \$25,000, 1996-1998;
- NCES and NSF, Principal Investigator for a research grant awarded by the AERA Research Grants Program, \$13,513, 1995-1996;
- Spencer Foundation, Principal Investigator, \$12,000, 1994-1995;
- California State Department of Education, Challenge Service Learning Grant, \$5,000, 1993-1994.

Additional Grant Support

- NSF ADVANCE Catalyst grant evaluator (2022 – present with Provost Harper as the PI)
- Title III/HIS-STEM grant evaluator (2022 – present)
- Title V (b)/PPOHA grant evaluator (2021- present)
- NSF Grant Evaluator, Models for Information Assurance Education and Outreach, 2013-2015
- NSF Grant Evaluator, the Noyce Grant, 2009-2012
- Chevron Cooperation, Research Experience Vitalizing Science – University Program, 2013;
- U.S. Department of Education, the TRIO Talent Search Program, collaborated with Jesse Quintanilla; \$1.35 million, 2008-2011
- U.S. Department of Education, External Evaluator the OPTEI grant, \$2.81 million, 2000-2001
- California Department of Education, Project Evaluator for The Kern Writing Project, 1997

Software Application Skills

A skillful HLM, LISREL, SAS, SPSS, STATA, and R user with moderate proficiency in Mplus, as illustrated by following links:

- Skylar, A., Wang, J., Bennett, K. (2020, October). *Quality Courses Matter!* Paper presented at the 2020 National QM ConnectLX conference [[Video Link](#)]
- Skylar, A., Wang, J., & Mitra, S. (2020, April). *Impact of QM Professional Development and Course Certification on teaching performance and student success*. An evaluation report of “Student Quality Assurance” initiative accepted

- for presentation at Quality Matters Regional Conference ([R scripts available](#))
- Wang, J., & Hu, C. (2020). *An examination of quality assurance impact on student satisfaction in online teaching*. [An R application paper](#) accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA.
 - [R computing for qualitative data analysis](#) – A presentation for the CSU Chancellor’s Office on 11/12/2019 (reference: Dr. Ashely Skylar, Quality Matters Systemwide Institutional Representative, askylar@calstate.edu).
 - *The American Statistician*, article link --
<http://www.csub.edu/~jwang/An%20Examination%20of%20Discrepancies%20in%20Multiple%20Imputation%20Procedures%20Between%20SAS%20and%20SPSS.pdf>;
 - *Athens Journal of Education*, an article on complex sampling, link --
<https://www.athensjournals.gr/education/2019-6-2-5-Wang.pdf>;
 - *Ambulatory Surgery*, an article on HLM application, link --
https://www.csub.edu/~jwang/AMB_SURG_21_4FINAL.pdf;
 - *InterStat*, an article on statistical computing, link --
<http://interstat.statjournals.net/YEAR/2010/abstracts/1005001.php>;
 - *International Journal of Research & Method in Education*, an effect size article --
<https://www.tandfonline.com/doi/abs/10.1080/17437270802124384?journalCode=cwse20>
 - *Educational Researcher*, article link --
https://www.jstor.org/stable/3594444?seq=1#page_scan_tab_contents;
 - *Journal of Experimental Education*, article link --
https://www.jstor.org/stable/20152617?seq=1#page_scan_tab_contents;
 - *Educational and Psychological Measurement*, article link --
<https://journals.sagepub.com/doi/abs/10.1177/0013164497057001015>;
 - *Journal of Experimental Education*, article link --
https://www.jstor.org/stable/20152546?seq=1#page_scan_tab_contents;
 - *Educational and Psychological Measurement*, article link --
<https://journals.sagepub.com/doi/pdf/10.1177/0013164493053003002>.

Non-Teaching Leadership Responsibilities

2019-Present: Associate Editor, Journal of School Leadership

<https://journals.sagepub.com/editorial-board/jsl>

2016-2022: Faculty fellow to lead gathering and analyses of institutional data for a Student Quality Assurance Impact Research (SQuAIR) Project. --

<https://www.qualitymatters.org/qa-resources/resource-center/conference-presentations/impact-qm-professional-development-and-course>

2016-2017: Assessment Reviewer of the Council for the Accreditation of Educator Preparation (CAEP).
2007-2016: Board of Examiner of the National Council for Accreditation of Teacher Education (NCATE) (2007 – 2016).
2002-2010: Co-Chair of the Assessment Committee in CSUB School of Education for NCATE visit.
2002 -2008: Chair of the Department of Advanced Educational Studies.
1996-1999: Board of the International Studies SIG, the American Educational Research Association.

Honors

- Faculty Innovation and Leadership Award, Academic Year 2018-2019 (an award of the California State University System) --
<https://www2.calstate.edu/csu-system/why-the-csu-matters/graduation-initiative-2025/FILA/past-awardees/Pages/Wang.aspx>
- Faculty Scholarship and Creative Activity Award, Academic Year 2014-2015 (a university-wide award) –
<https://www2.calstate.edu/csu-system/faculty-staff/outstanding-faculty/Pages/jianjun-wang-phd.aspx>
- Research Award, School of Education, California State University, Bakersfield, 2010;
- Bakersfield Educator of the Year Award, the Heritage of America Educational & Cultural Foundation, 2005;
- University and School Service Award, California State University, Bakersfield, 2004;
- Publication Award, School of Education, California State University, Bakersfield, 2003;
- Publication Award, School of Education, California State University, Bakersfield, 1999;
- Grant Award, School of Education, California State University, Bakersfield, 1997-1998;
- Publication Award, School of Education, California State University, Bakersfield, 1996-1997;
- Recognition for special contributions to the National Science Foundation Elementary Preparation Project for Teachers of Science, Mathematics and Technology (NSF Grant No. TPE-8851003), Kansas State University, 1992.

Faculty Employment

Faculty, Department of Advanced Educational Studies, CSUB, 1993-Present

- Early promotion to the full professor rank, 2001;
- Early tenure, 1998;
- Early promotion to Associate Professor, 1997;

Core Faculty, Doctoral Program at CSUB, 2016-Present

- Teach Intermediate Statistics (EDL 504);

- Run statistical lab to support doctoral research;
- Conduct advanced research workshops for Ed.D. students.

Core Faculty, Joint Doctoral Program Between CSUB and Fresno State, 2011-2016

- Served on the Research Committee of the Doctoral Program;
- Presented research results at the Program Research Symposiums;
- Run statistical lab to support doctoral research.

Instructor, University of the Pacific and CSUB Cooperative Ed.D. Program, 2000-2012

- Taught “Intermediate Statistics” course (EDPY 395);
- Taught “Advanced Quantitative Methods” course.

Adjunct faculty, Kansas State University, 1991-1993

- Taught EDEL 870: Doctoral Research in Science Education;
- Ran statistical consulting lab to support doctoral research.

Teaching Assignments

Courses Taught during the early 1990s to present:

- EDLD 6040: Intermediate Statistics
- EDRS 6600: Educational Statistics
- EDRS 6610: Research Design and Analysis
- EDRS 4600: Educational Statistics
- EDL 504: Advanced Applied Quantitative Methods (2011-2013)
- EDPY 214: Intermediate Statistics (Taught for the UOP Ed.D. program during 2000-2010)
- EDPY 395: Advanced Quantitative Methods (Taught for the UOP program during 2000-2010)
- EDRS 680: Educational Statistics (Taught as a faculty member during 1993 - 2016)
- EDRS 681: Research Design & Analysis (Taught as a faculty member during 1993 - 2016)
- EDLD 6040: Advanced Applied Quantitative Methods
- EDEL 870: Doctoral Research in Science Education (KSU)

Research

My academic inquiries are primarily focused on data mining to bridge investigations across fundamental, applied, and action research. Some of the work are disseminated in formats of research reports, books, presentations, and journals of the American Statistical Association (ASA), American Educational Research Association (AERA), School Science and Mathematics Association (SSMA), National Association for Research in Science Teaching (NARST), International Association for Ambulatory Surgery (IAAS), American Psychological Association

(APA), and National Council of Teachers of Mathematics (NCTM).

- **Monographs/Reports**

- Wang, J., & Sun, J. (2018). *Cost benefit analysis of First 5 Kern-funded programs*. Report released by the Education Resources Information Center (ERIC) of the U.S. Department of Education (ERIC Document Reproduction Service ED 584 384; Link <https://files.eric.ed.gov/fulltext/ED584348.pdf>).
- Wang, J., & Hu, C. (2017). Report for the Student Quality Assurance Impact Research Project. Long Beach, CA: CSU Chancellor's Office.

- **Books**

- Liu, X., Ma, X., Wang, J. & Zhao, X. (1996). Mathematics and science curriculum change in the People's Republic of China. Lewiston, NY: The Edwin Mellen. [ISBN 0-7734-8863-4]
- Yan, Z., Wu, Z., Wang, J. & Lu, S. (1989). Research in education. Beijing: Spring-Fall Publisher. [ISBN 7-5069-0141-2]
- Wang, J. (1987). Alignment of physics curriculum with cognitive development. Beijing: Beijing Normal University Publisher (Book order number 0535564).

- **Peer-Reviewed Journal Articles**

- Wang, J. (2022). An examination of threshold setting in social emotional measurement. Journal of Nursing Measurement, 31(2), 1-12. [Article [link](#)].
- Wang, J., Choi, D., & Tran, N. (in press). Strengthening school leadership for the era of post COVID-19. Journal of School Leadership.
- Wang, J. (2021). Scale choice for assessment: An examination of CAEP rubric from assessment practice in education. Assessment Update, 33(5), 8-9, 12.
- Wang, J. (2021). A bootstrapping assessment on a U.S. education indicator construction through multiple imputation. Social Indicators Research, 153, 431-442. <https://doi.org/10.1007/s11205-020-02507-4>
- Wang, J. (2020). Statistics course improvement for school administrator preparation. Educational Leadership and Administration, 32, 46-55.
- Wang, J., & Ma, X. (2019). Rejoinder – Response to: "An Examination of Plausible Score Correlation from the Trend in Mathematics and Science Study". Athens Journal of Education, 6(2), 159-170.
- Wang, J., & Johnson, D. (in press). An examination of discrepancies in multiple imputation procedures between SAS and SPSS. The American Statistician.
- Wang, J., et al. (2016). An empirical study of early childhood support through partnership building. Evaluation and Program Planning, 59, 74-80.
- Wang, J., et al. (2016). An empirical study of ambulatory surgery access in multilevel context. Ambulatory Surgery, 22 (2), 74-79.
- Wang, J., & Ma, X. (2016). An examination of plausible score correlation from the Trend in Mathematics and Science Study. Athens Journal of Education, 10, 1-12.

- Wang, J., et al. (2015). Methodological considerations for analyzing ambulatory service access in multilevel context. Ambulatory Surgery, 21 (1), 177-180.
- Wang, J. (2014). A comparative evaluation of STEM education indicators in the era of accountability. International Journal of Education, 6 (1), 1-20.
- Bhattacharjee, D., & Wang, J. (2013). Assessment of facility deprivation in the households of the north-eastern states of India. Demography India, 40 (2), 35-54.
- Wang, J. (2013). An assessment of education quality beyond dinner table discussions. International Education Studies, 6 (1), 111-116.
- Wang, J., Henderson, J., & Harniman, J. (2013). An empirical study of coexisting relationships between area-specific support and early childhood development. Journal of Social Service Research, 39 (2), 141-158.
- Wang, J. (2012). A comparative study of science achievement and self-concept during a historical transition. International Education Studies, 5 (1), 137-146.
- Wang, J. (2011). Re-examining test item issues in the TIMSS mathematics and science assessments. School Science and Mathematics, 111 (7), 334-344.
- Wang, J. (2010). Outsourcing the HSD computing for SPSS application. InterStat (ISSN 1941-689X).
- Wang, J. & Luo, X. (2010). Toward enhancing scholarship of science education in college teaching. The Journal of Effective Teaching, 10 (1), 56-64.
- Wang, J. (2009). Healthy Kids Kern County raw data export. In A. Crawford (ed.), First 5 Kern Annual Report, Fiscal Year 2008-2009 (pp. 58-74). Laguna Hills, CA: The Corporation for Standards and Outcomes.
- Wang, J. (2008). Effect size and practical importance: A non-monotonic match. International Journal of Research & Method in Education, 31 (2), 125-132.
- Wang, J., Oliver, J. S., & Staver, J. (2008). Self-concept and science achievement: Investigating a reciprocal relation model across the gender classification in a cross-cultural context. Journal of Research in Science Teaching, 45 (6), 711-725.
- Wang, J. (2007). A trend study of self-concept and mathematics achievement in a cross-cultural context. Mathematics Education Research Journal, 19 (3), 33-47.
- Wang, J., Smith, T., & Oliver, J. S. (2006). An empirical examination of gender stereotype from the result of National Board certification. Teacher Education & Practice, 19 (3), 365-379.
- Wang, J. (2006). An empirical study of gender difference in the relationship between self-concept and mathematics achievement in a cross-cultural context. Educational Psychology, 26 (5), 689-706.
- Wang, J. (2005). An analysis of item score difference between 3rd and 4th grades using the TIMSS Database. The International Journal of Science and Mathematics Education, 5, 1-17.
- Wang, J. (2004). A comparative study of relationship between mathematics and science achievement at the 8th grade. The International Journal of Science and Mathematics Education, 4, 1-11.
- Zhao, Y. & Wang, J. (2004). An empirical study of contextual factors on Chinese female access to higher education. In M. Pan, J. Lin, & Y. Zhao (Eds.), Inheritance and reform. Xiamen, China: Xiamen University Press.

- Wang, J. & Zhu, C. (2003). An in-depth analysis of achievement gaps between 7th and 8th grades in the TIMSS database. School Science and Mathematics, 103 (4), 186-191.
- Wang, J. (2002). Stochastic models of quality control on test misgrading. Education, 122, 609-614.
- Wang, J. (2002). Reliability generalization: An HLM approach. Instructional Psychology, 29 (3), 213-218.
- Wang, J. (2001, August-September). TIMSS primary and middle school data: Some technical concerns. Educational Researcher, 17-21.
- Wang, J. (2001). An empirical study of structural relations between science education and student career aspiration. Research in the Schools, 8 (1), 51-60.
- Wang, J. (2001). An application of the mixed-effects model in TIMSS data analyses. Multiple Linear Regression Viewpoints (MLRV), 27 (1), 53-56.
- Wang, J. & Staver, J. (2001). An examination of relationships between factors of science education and student career aspiration. The Journal of Educational Research, 94, 312-319.
- Wang, J. & Ma, X. (2001). Effects of educational productivity on career aspiration among American high school students. Alberta Journal of Educational Research, XLVII (1), 75-86.
- Ma, X. & Wang, J. (2001). A confirmatory examination of Walberg's model of educational productivity in student career aspiration. Educational Psychology, 21 (4), 443-453.
- Li, Y. & Wang, J. (2001). Exploring relationships between mathematics education and student career aspiration. Research in Middle Level Education Annual, 24, 99-119.
- Wang, J. (2000). Relevance of the hierarchical linear model to TIMSS data analyses. Education, 120 (4), 787-789, & 781.
- Wang, J. (1999). Reasons for Hierarchical Linear Modeling (HLM): A reminder. Journal of Experimental Education. 68 (1), 89-93.
- Wang, J. & Zhu, C. (1999). A videotape study of science teaching in Shenzhen, China. Proceedings of the 1999 International Conference of Physics Teachers & Educators sponsored/supported by the International Commission on Physics Education (ICPE) and the International Union of Pure and Applied Physics (IUPAP), p. 209-215. [ISBN 7-5633-3054-2]
- Wang, J. (1999). A structural model of student career aspiration and science education. Research in Schools, 6 (1), 53-63.
- Wang, J. (1998). A content examination of TIMSS items. Phi Delta Kappan, 80 (1), 36-38.
- Wang, J., Greathouse, B., & Falcinella, V. (1998). An empirical assessment of self-esteem enhancement in a CHALLENGE Service-Learning Program. Education, 119 (1), 99-105.
- Wang, J. (1998). International achievement comparison: Interesting debates on inconclusive findings. School Science and Mathematics, 98 (7), 376-382.
- Wang, J. (1998). An illustration of the Least Median Squares (LMS) regression using PROGRESS. Education, 118 (4), 515-520.
- Wang, J., Saunders, M., & Kellenberger, L. (1998). An empirical study of the effect of Diagnostic Training and Guided Reading in teacher education. Reading Improvement, 35 (4), 178-183.
- Wang, J. (1998). Toward standardizing standards. The Math-Science Connector, 28 (4), 3-4.

- Wang, J. (1998). A comparative study of student science achievement between U.S. and China. Journal of Research in Science Teaching, 35 (3), 329-336.
- Wang, J. (1997). A contextual examination of school physics in China. Science Education, 81 (3), 333-354.
- Wang, J. (1997). Using SAS PROC MIXED to demystify hierarchical linear model. Journal of Experimental Education, 66 (1), 84-93.
- Wang, J. & Calhoun, G. (1997). A useful table for assessing the effect of guessing on true-false and multiple-choice tests. Educational and Psychological Measurement, 57 (1), 179-185.
- Wang, J. & Staver, J. (1997). An empirical study about Chinese adolescent science achievement: gender differences. Journal of Educational Research, 90 (4), 252-255.
- Wang, J., Greathouse, B., & Kellenberger, L. (1997). An empirical study of student recruitment in teacher education. Education, 117 (2), 252-261.
- Wang, J., Oliver, S., & Lumpe, A. (1996). The relationship of student attitudes toward science, mathematics, English and social studies in U.S. secondary schools. Research in Schools, 3 (1), 13-22.
- Wang, J., Wildman, L., & Calhoun, G. (1996). The relationships between parental influence and student achievement in seventh grade mathematics. School Science and Mathematics, 96 (8), 395-399.
- Wang, J. (1996). Correspondents. Journal for Research in Mathematics Education, 27, 619-621.
- Wang, J. (1996, November). Re-assessment of a learning gap. Phi Delta Kappan, 234-239.
- Wang, J. & Staver, J. (1996). An empirical approach toward the prediction of students' science achievement in the United States and Hubei, China. Journal of Research in Science Teaching, 33 (3), 283-301.
- Wang, J. (1996). An empirical assessment of textbook readability in secondary education. Reading Improvement, 33 (1), 40-45.
- Wang, J. (1995). Critical values of guessing on true-false and multiple-choice tests. Education, 116 (1), 153-158.
- Wang, J. (1995). Toward clarification of confusion in the concept of percentile. Education, 115 (4), 538-540.
- Wang, J. & Wildman, L. (1995). An empirical examination of effect of family commitment in education on student achievement in seventh grade science. Journal of Research in Science Teaching, 32 (8), 833-837.
- Wang, J. & Wildman, L. (1994). The effects of family commitment in education on student achievement in seventh grade mathematics. Education, 115 (2), 317-319, 271.
- Wang, J. (September, 1993). Simple and hierarchical model for test misgrading. Educational and Psychological Measurement, 53, 597-603.
- Wang, J. (1990). IEA studies and their relevance to the educational research in China. Foreign Educational Research, Changchun, 90(1), 64-68.
- Wang, J. (1989). An introduction to the Second IEA Science Study. Shanghai Educational Research, Shanghai, 89(5), 22-26.
- Wang, J. (1988). Pupils' cognitive development and the reform in exercises. Educational Research (Beijing), 88(10), 16-19.

- **Conference Presentations**

- Wang, J., & Sun, J. (2023, April). An examination of cutoff score setting in early childhood screening for mental health referral. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Wang, J. (2022, May). Student Quality Assurance Impact Research Project. CSU Systemwide SQuAIR project presentation at the Chancellor's Office.
- Wang, J. (2022, April). An examination of result pooling for reporting t test findings from multiple imputation. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Wang, J. (2022, April). Promoting quality and sustainability of STEM graduate education with federal grant funding. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Wang, J. (2022, April). An examination of CAEP rubric from assessment practice in education program accreditation. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Wang, J. (2021, August). Partitioning t test result aggregations in multiple imputation. Paper presented at the annual meeting of American Statistical Association (Joint Statistical Meeting) on August 12, 2021 (watch a brief introduction [here](#)).
- Skylar, A., Wang, J., Bennett, M., & Mitra, S. (2020, April). Impact of QM professional development and course certification on teaching performance and student success. Quality Matters Conference at Fullerton, California (presentation online).
- Wang, J. (2020, April). An empirical study of the Research Experience Vitalizing Science – University Program (REVS-UP) in summer school. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Wang, J., & Hu, C. (2020, April). An examination of quality assurance impact on student satisfaction in online teaching. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Skylar, A., Wang, J., Bennett, M., & Mitra, S. (2020, April). Impact of QM professional development and course certification on teaching performance and student success. Quality Matters Conference at Fullerton, California (presentation online).
- Wang, J. (2019, November). R computing for qualitative data analysis. An invited talk by the CSU Chancellor's Office on Student Quality Assurance Impact Research Project on 11/12/2019 at Long Beach, CA (<http://www.csub.edu/~jwang/CSU%20Chancellor's%20Office%20Presentation.mp4>).
- Wang, J. (2020, April). An empirical study of the Research Experience Vitalizing Science – University Program (REVS-UP) in summer school. Paper accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Wang, J., & Hu, C. (2020). An examination of quality assurance impact on student satisfaction in online teaching. Paper accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Wang, J. (2019, July). An empirical study of correlation coefficient aggregation in multiple imputation. Paper presented at the annual meeting of the American Statistical Association, Denver, CO.

- Wang, J. (2019, April). An empirical study of contextual teaching factors on student science performance at the eighth grade. Paper presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Wang, J. & Sun, J. (2019, April). A seven-year trend study of the impact of fund leveraging on early childhood service programs. Paper presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Wang, J. (2019, April). An examination of factors in teaching context on mathematics performance of eighth-grade students. Paper presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Sun, J., Wang, J., & Hylon, K. (2019, April). An empirical study of value-based cost-benefit analysis of early childhood support programs. Paper presented at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Wang, J. (2018, April). A comparative study of the East Asia culture impact on mathematics and science performance of eighth grade students. Paper presented at the 2018 annual meeting of American Educational Research Association, New York.
- Sun, J., Wang, J., & Ives, K. (2018, March). A cost-benefit analysis of early childhood education programs through Proposition 10 funding in California. Paper presented at the 2018 annual meeting of the American Society for Public Administration (ASPA), Denver, CO.
- Wang, J. et al. (2016, November). Examining the impact of Proposition 10 funding: How to analyze outcomes of early childhood development in multilevel contexts. Paper presented at the 2016 annual meeting of NAEYC, Los Angeles, CA
- Wang, J., Ma, X., & Guerra, M. (2016, April). A comparative study of canonical correlation between student mathematics and science achievement in TIMSS. Paper presented at the 2016 annual meeting of American Educational Research Association, Washington, D.C.
- Wang, J. et al. (2016, November). A comparative study of inpatient service access between ED and Non-ED patients in multilevel context. Paper presented at the 144th Annual Meeting of American Public Health Association (APHA) in Denver, CO.
- Wang, J. (2016, October). Application of Optimal Design (OD) in educational research. Paper presented at the fifth annual Research Colloquium at Fresno, CA.
- Wang, J. et al. (2015, November). An empirical study of emergency department access by uninsured populations in multilevel context. Paper presented at the 2015 annual meeting of American Public Health Association (APHA), Chicago, IL.
- Wang, J., & Ma, X. (2015, June). An examination of plausible score correlation from the Trend in Mathematics and Science Study. Paper presented at the 9th Annual International Conference on Statistics, Athens, Greece.
- Wang, J., et al. (2015, June). Alignment of signature pedagogy with field-based data analysis methods. Paper presented at the 2015 Convening of Carnegie Project for Education Doctorate, Fullerton, CA.
- Wang, J. et al. (2015, April). A multilevel study of partnership building to support early childhood development across different education contexts. Paper accepted for presentation at the 2015 annual meeting of American Educational Research Association, Chicago, IL.

- Wang, L., Ortiz, T., Navarro, D., Wang, J., & Wang, S. (2014, November). An empirical study of ambulatory surgery services in multilevel context. Paper accepted for presentation at the 142th Annual Meeting of American Public Health Association (APHA) in New Orleans.
- Wang, J., Ortiz, T., & Rodriguez, H. (2013, November). An examination of partnership building in early childhood education. Paper presented at the 2013 annual meeting of NAEYC, Washington, DC.
- Wang, J. (2013, October). A new approach to examine service integration: A hierarchical social network analysis model. Presentation made at 2013 DPELFS Faculty Research Colloquium, Fresno, California.
- Wang, J. (2013, October). A new approach to examine service integration: A hierarchical social network analysis model. Presentation made at 2013 DPELFS Faculty Research Colloquium, Fresno, California.
- Wang, J. (2013, February). Types I-IV SS: A comparison of SPSS default changes for data analysts over the past two decades. A Presentation and Public Hearing made at the First 5 Kern Commission.
- Wang, J. (2012, February). Evaluation report of 2010-11 Proposition 10 funding. A Presentation and Public Hearing made at the First 5 Kern Commission.
- Wang, J. (2011, April). A comparative study of science achievement and self-concept during a historical transition. Paper presented at the 2011 annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
- Bhattacharjee, D., & Wang, J. (2010, November). Assessment of facility deprivation in the households of the north eastern states of India. Paper presented the annual conference of Indian Association for the Study of Population.
- Wang, J. (2010, April). Research tool augmentation: Outsourcing the HSD computing for SPSS users. Paper presented at the 2010 annual meeting of the American Educational Research Association (AERA), Denver, Colorado.
- Wang, J., Guaglianone, C., & Kelsey, C. (2010, April). Assessment of unit operations for the NCATE accreditation. Paper presented at the 2010 annual meeting of the American Educational Research Association (AERA), Denver, Colorado.
- Wang, J. (2009, April). A trend study of self-concept and mathematics achievement in a cultural comparative contest. Paper presented at the 2009 annual meeting of the American Educational Research Association (AERA), San Diego, California.
- Wang, J. & Tam, H. P. (2008, March). A follow-up study of self-concept and mathematics achievement in a cross-cultural context. Paper presented at the 2008 annual meeting of the American Educational Research Association (AERA), New York.
- Wang, J. (2007, April). Research methodology and result interpretation on students' learning in math, science and technology: comparative studies between China and the United States. Symposium discussant at the 2007 annual meeting of the American Educational Research Association (AERA), Chicago.
- Wang, J. (2006, April). A trend study of self-concept and mathematics achievement in a cross-cultural context. Paper presented at the 2006 annual meeting of the American Educational Research Association (AERA), San Francisco, CA.

- Wang, J. & Ma, X. (2006, April). A study of correlation between the NAEP scores and student coursework in science. Paper accepted for presentation at the 2006 annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
- Ma, X., & Wang, J. (2006, April). Understanding the relationship between mathematics and science coursework patterns using national data. Paper presented at the annual meeting of the American Educational Research Association. San Francisco, CA.
- Wang, J. (2005, April). An empirical study of gender difference in the relationship between self-concept and mathematics achievement. Paper presented at the 2005 annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
- Smith, T., Wang, J., & Oliver, J. (2005, April). Gender stereotype investigation: A validity study of the NBPTS certification. Paper presented at the 2005 annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
- Wang, J. (2004, April). Self-concept and mathematics achievement: Modeling the relationship under the language pressure in Hong Kong. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
- Wang, J., Oliver, S., & Garcia, A. (2004, April). An empirical study of relationships between student self-concept and science achievement in Hong Kong. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
- Zhao, Y. & Wang, J. (2004, April). An empirical study of contextual factors on Chinese female access to higher education. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
- Wang, J. (2003, April). An analysis of relationships between mathematics and science achievement in TIMSS and TIMSS-R. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
- Wang, J. (2003, April). An in-depth analysis of achievement gaps between 3rd and 4th grades in the TIMSS database. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
- Wang, J. & Santos, S. (2003, April). A comparative study of relationship between mathematics and science achievement at the 8th grade. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
- Wang, J. (2002). Stochastic models of quality control on test misgrading. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, CA.
- Wang, J. (2002). An in-depth analysis of achievement gaps between 7th and 8th grades. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, CA.
- Wang, J. (2001, June). Secondary analyses of the NCES databases. An invited presentation at University of California, Santa Barbara (reference: Professor Jules Zimmer).
- Briegel, T., Wang, J., et al. (2001, April). An examination of digital dividing factors on teacher's access to Internet resources in rural schools. Paper presented at the 2001 annual meeting of the American Educational Research Association, Seattle, Washington.

- Wang, J. (2000, April). Relevance of the hierarchical linear model to TIMSS data analyses. Paper presented at the 2000 annual meeting of the American Educational Research Association, New Orleans, LA.
- Wang, J. & Staver, J. (1999, March). A content examination of the TIMSS science items. Paper presented at the 1999 annual meeting of the National Association for Research in Science Teaching (NARST), Boston, MA.
- Wang, J. (1999, April). A content examination of the TIMSS mathematics and science tests. Paper presented at the 1999 annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
- Wang, J. (1999, April). An illustration of the Least Median Squares (LMS) regression using PROGRESS. Paper presented at the 1999 annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
- Wang, J. & Turner, D. (1999, April). An empirical study between student career aspiration and science education. Paper presented at the 1999 annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
- Wang, J., & Zhu, C. (1999, April). A cross-examination of science teaching in Shenzhen, China. Paper presented at the 1999 annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
- Wang, J. (1998, December 12). The condition of the U.S. education: A multiculture perspective. An invited speech at Nanjing Normal University, Nanjing, China. Contact person: Professor Liu Bingsheng, Department of Physics, Nanjing Normal University.
- Wang, J. (1998, December 14). Learning cycle and life-long learning: A review of the constructivist epistemology. An invited speech at Nanjing Normal University, Nanjing, China. Contact person: Professor Liu Bingsheng, Department of Physics, Nanjing Normal University.
- Wang, J. (1998, April). Downplaying TIMSS horse race: An analysis of Apercentage correct responses' data in the seventh and eighth grades. Paper presented at the 1998 annual meeting of the American Educational Research Association (AERA), San Diego, CA.
- Wang, J. (1997, April 18). Some contextual observations on the Third International Study of Mathematics and Science (TIMSS). An invited speech at Emory University, Atlanta, Georgia. Contact Person: Professor Sandy Damico, Director of the Division of Educational Studies, Emory University.
- Wang, J. (1997, April 18). Outliers in multivariate data analyses. An invited speech at Emory University, Atlanta, Georgia. Contact Person: Professor Sandy Damico, Director of the Division of Educational Studies, Emory University.
- Wang, J. (1997, March). Demystification of hierarchical linear model using SAS PROC MIXED. Paper presented at the 1997 annual meeting of the American Educational Research Association (AERA), Chicago, IL.
- Wang, J., Greathouse, B., & Falcinella, V. (1997, March). An empirical assessment of self-esteem enhancement in a CHALLENGE service-learning program. Paper presented at the 1997 annual meeting of the American Educational Research Association (AERA), Chicago, IL.

- Wang, J. & Brie, R. (1997, March). An empirical study of sibling effect on student science achievement in the People's Republic of China. Paper presented at the 1997 annual meeting of the American Educational Research Association (AERA), Chicago, IL.
- Wang, J. (1996, April). A comparative study of gender differences in student achievement between physical and biological sciences in China and the United States. Paper presented at the 1996 annual meeting of the American Educational Research Association (AERA), New York, NY.
- Wang, J. (1996, April). Evolution of school physics in the People's Republic of China. Paper presented at the 1996 annual meeting of the American Educational Research Association (AERA), New York, NY.
- Wang, J. (1995, April). Critical values of guessing on true-false and multiple-choice tests. Paper presented at the 1995 annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
- Wang, J. (1995, April). An empirical study about China: Gender equity in science education. Paper presented at the 1995 annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
- Wang, J. (1995, April). An empirical study of student science achievement in the People's Republic of China. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
- Wang, J. & Staver, J. (1994, April). An empirical model for prediction of students' science achievement. Paper presented at the 1994 annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
- Wang, J. & Staver, J. (1994, March). An empirical approach to explore ceiling effects on students' science achievement in the U.S. and China. Paper presented at the 1994 annual meeting of the National Association for Research in Science Teaching (NARST), Anaheim, CA.
- Rong, R., Wang, J., Oliver, J. S. & Lumpe, A. T. (1993, April). A Longitudinal Study of American Youth: Students' attitudes toward science, math, English and social studies. Paper presented at the 1993 annual meeting of the National Association for Research in Science Teaching (NARST), Atlanta, GA.
- Wang, J. & Staver, J. R. (1993, April). A comparative study between the U.S. and China: School equity in science education. Paper presented at the 1993 annual meeting of the National Association for Research in Science Teaching (NARST), Atlanta, GA.
- Wang, J., Oliver, J. S. & Lumpe, A. T. (1992, March). The relationship among students' attitudes toward science, math, English and social studies. Paper presented at the 1992 annual meeting of the National Association for Research in Science Teaching (NARST), Cambridge, MA.
- Lumpe, A. T., Krestan, R. M. & Wang, J. (1992, March). Gender difference in predicting 10th grade students' attitudes toward science: Results from the Longitudinal Study of American Youth. Paper presented at the 1992 annual meeting of the National Association for Research in Science Teaching (NARST), Cambridge, MA.
- Lumpe, A. T., & Wang, J. (1991, January). The attitudes of American youth: A Look at the Longitudinal Study of American Youth (LSAY). Paper presented at the annual meeting of the Southwest Association for Education of Teachers of Science. Colorado Springs.

Service

Over the years, I have been serving students, faculty, staff, the community, and the profession in various roles. Major accomplishments include leadership in the joint Ed.D. program with CSU Fresno, serving as a core doctoral faculty member for the Ed.D. program at CSU Fresno, development of the Signature Pedagogy for CSUB's Ed.D. program to meet the requirement of the Carnegie Project for Education Doctorate (CPED), contributions to accreditation review of programs across the country as a member of the Board of Examiners for NCATE and the Assessment Review Panel for CAEP, and service to First 5 Kern in promoting early childhood education programs and services. Past and current service responsibilities include:

- Member, Doctoral Program in Educational Leadership (Ed.D.) Admission Committee 2016-Present;
- Member, Committee on Professional Responsibilities, Academic Senate, CSUB, 2003-2006, 2018-Present;
- Member, Advisory Board of Journal of School Leadership (JSL), 2018-Present;
- Trainer, Quality Matter certification, TLC, CSUB, 2017;
- Research Associate, *Student Quality Assurance Impact Research Project* of the CSU Chancellor's Office, 2017-Present;
- Member, Director Search Committee for the Doctoral Program at CSUB;
- Member, Department of English Post-Tenure Review Committee, 2017-2018;
- Member, Core Doctoral Faculty Group, the Ed.D. program, CSUB, 2016-Present;
- Member, Advisory Board of the Australian International Academic Center (AIAC), 2016-Present;
- Assessment Reviewer and Site Visitor, CAEP, 2016-Present;
- Member, Editorial Board of International Journal of Education & Literacy Studies, 2015-Present;
- Member, Department of English Post-Tenure Review Committee, 2015-2016;
- Member, Department of Physical Education and Kinesiology Post-Tenure Review Committee, 2014-2015;
- Member, Core Doctoral Faculty Group, the Ed.D. program, CSU, Fresno, 2012-2018;
- Member, Research Committee of the Ed.D. program, CSU, Fresno, 2012-2018;
- Alternate Member, Institutional Review Board, CSUB, 2011-2017;
- Board of Examiner, NCATE, 2008-2016;
- Member, Dean's Search Committee of School of Natural Sciences and Mathematics, CSUB, 2008
- Member, Provost's Council on Program Profiling, CSUB, 2007;
- Co-Chair, School of Education Assessment Committee, CSUB, gathered, analyzed, and disseminated information for the NCATE/CTC Accreditation, 2005-2008;
- Review Panel Member, Australian Research Council, participate in reviewing, ranking, and recommending proposals for the Australian Federation Fellowships (GAMS ID: G47753), 2005-2008;
- Review Panel Member, National Science Foundation, participate in reviewing, ranking,

and recommending proposals for funding. (Senior Program Officer: Elmima C. Johnson) 2005-Present;

- Member, Dean's Search Committee of School of Education, CSUB, 2005
- Chair, Department of Advanced Educational Studies, CSUB, 2002-2008;
- Member, Department of Advanced Educational Studies Unit RTP Committee, CSUB, 2001-Present;
- Editorial Board Member, Journal of Modern Applied Statistical Methods, 2001-2010;
- Member, Institutional Review Board, CSUB, 2000-2007;
- Chair, Department of Teacher Education Unit RTP Committee, CSUB, 2000-2001;
- Member, CSUB Library Unit RTP Committee, 2000-2001;
- Member, Board Directors of the International Studies SIG, the American Educational Research Association, participated in the SIG policy development and organized the SIG annual award gathering, 1998 – 2001;
- Fellow, National Center for Education Statistics (NCES), worked with the NCES staff [assigned staff: John Sietsema] to understand the center functions and provide suggestions for various ongoing or future projects, 2000;
- Member, Department of Teacher Education Unit RTP Committee, CSUB, 1998-2000;
- Member, Research Council of the University, CSUB, 1994-2000.

Professional Affiliation

- American Educational Research Association
- American Evaluation Association
- American Statistical Association
- California Association of Professors of Education Administration
- National Association for Research in Science Teaching
- National Council of Teachers of Mathematics
- School Science and Mathematics Association

Beth Bywaters

From: Jianjun Wang
Sent: Friday, April 21, 2023 7:48 AM
To: James Rodriguez; j.nilon@yahoo.com
Cc: Beth Bywaters
Subject: Fw: Reminder: Call for Interest Faculty Ombudsperson - ends Monday April 24, 5:00 p.m.
Attachments: JJ_letter.docx; VitaJJ.doc

Good morning, Dean Rodriguez and Trustee Nylon.

Beth sent the following [Call for Interest](#) to CSUB faculty regarding an Ombudsperson position for the third time. Like other colleagues, I did not act previously.

Now we are one workday away from the deadline. I took the liberty to submit the two attachments for my application. In the first attachment, I mentioned you as a professional reference.

I doubt that I will become the final candidate. But it is appropriate to keep you informed on what I did in the first attachment.

Thank you!

JJ

From: Beth Bywaters <ebywaters@csub.edu>
Sent: Thursday, April 20, 2023 1:11 PM
To: Jianjun Wang <jwang@csub.edu>
Subject: Reminder: Call for Interest Faculty Ombudsperson - ends Monday April 24, 5:00 p.m.

TO: Tenured Faculty
FROM: Melissa Danforth, Academic Senate Vice Chair and Elections Committee Chair
CC: Aaron Hegde, Academic Senate Chair

SUBJECT: CALL FOR INTEREST TO THE POSITION OF UNIVERSITY FACULTY OMBUDSPERSON

This is a Call for Interest to serve in the position of University Faculty Ombudsperson.

Position: University Faculty Ombudsperson

Type: Coordinator **Rank:** Full Time Tenured Faculty **Term:** Two-year term, August 2023-August 2025.

Renewable Available: August 2023

Description: California State University, Bakersfield seeks applications for the position of University Faculty Ombudsperson, a designated neutral and impartial dispute resolution practitioner whose major function is to

provide confidential and informal assistance for faculty. Serving in this role as a designated neutral impartial dispute resolution practitioner, the Ombudsperson is neither an advocate for any faculty member nor for the University. Rather, the Ombudsperson is an advocate for fairness, who acts as a source of information and referral. The Ombudsperson aids in listening to a faculty member's concerns and assists in the resolution of concerns in critical situations. In reviewing any given issue, the points of view of all parties that might be involved are considered. The Ombudsperson supplements (but does not replace) the University's existing resources for formal complaint procedures and conflict resolution.

Compensation: 6 WTUs reassigned time. The Ombudsperson is appointed on a part-time, 10-month basis and reports to the President or designee. The performance of the Ombudsperson is reviewed annually by the President and more extensively at intervals not to exceed two years, under a procedure determined by the Academic Senate.

Responsibilities:

- Consultation, Referral, and Dispute Resolution
- Reporting
- Policy Analysis and Feedback

Qualifications: The Ombudsperson must be a tenured faculty member with experience in, or knowledge of, the following:

- University policies, procedures and regulations
- Communication skills necessary to relate to a diverse faculty community
- Conflict resolution skills
- Academic governance
- University resources
- Unit administration

Applications: Complete applications must include:

- Original and personalized letter of application addressing the responsibilities and qualifications described above
- Current vita
- Contact Information for two professional references

Applications should be sent electronically to academicsenateoffice@csub.edu by Monday April 24, 2023 at 5:00 p.m. Thank you.

Reference: University Handbook 303.8.5