

Jamie R. Gomez –Curriculum Vitae
Senior Lecturer III
Department of Chemical and Biological Engineering
University of New Mexico
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Professional Preparation

Institution	Major.	Degree	Year
FAMU-FSU College of Engineering, Tallahassee, FL.	Chemical Engineering	B.S.	2009
FAMU-FSU College of Engineering, Tallahassee, FL.	Chemical Engineering	Ph.D.	2013

Appointments

2018- Present	Senior Lecturer III, Department of Chemical & Biological Engineering, University of New Mexico, Albuquerque, NM
2013-2018	Lecturer III, Department of Chemical & Biological Engineering, University of New Mexico, Albuquerque, NM

Selected Products

1. Gomez, J. & Svihla, V. (2018). Rurality as an asset for inclusive teaching in chemical engineering. *Chemical Engineering Education*. 52(2).
2. Gomez, J., Svihla V., Datye A. (2017). Jigsaws & Parleys: Strategies for engaging sophomore level students as a learning community. *Proceedings of the ASEE 124th Annual Conference & Exhibition*.
3. Gomez, J., Svihla V., Datye A., Law V., Bowers S. (2017). Design challenge parleys as a conduit for growing student expert thinking in the classroom. *AIChE Annual Meeting*.
4. Svihla, V., Miletic, M., Gomez, J., Datye, A., Chi, E. (2017). Impacts of identifying and building on student assets in a diverse chemical engineering program. *2017 NSF EEC Grantees Conference*.
5. Svihla, V., Gomez, J., Bowers, S., James, J., Prescott, P., & Datye, A. (2017). Asset-based design projects in a freshman level course. *Proceedings of the ASEE 124th Annual Conference and Exhibition*
6. Gomez, J., Svihla, V., Datye, A., Law, V., & Bowers, S. (2016). Tapping into diverse student assets to enhance design framing ability and professional identity formation. *73h. AIChE Annual Meeting*.
7. Svihla, V., Gomez, J., Datye, A., Law, V., & Bowers, S. (2016). Mapping Assets of Diverse Groups for Chemical Engineering Design Problem Framing Ability. #15562. *Proceedings of the ASEE 123rd Annual Conference & Exhibition*.
8. J. Gomez, E.E. Kalu, R. Nelson, C. Akpovo, M.H. Weatherspoon, J.P. Zheng. "Binder-Free Co-Mn Composite Oxide for Li-Air Battery Electrode", *J. Mater. Chem. A*, 1, 3287-3294 (2013)
9. J. Gomez, E.E. Kalu. "High-Performance Binder-Free Composite Oxides for Supercapacitor Applications", *J. Power Sources*, 230, 218-224 (2013)
10. J. Gomez, R. Nelson, E.E. Kalu, M.H. Weatherspoon, J.P. Zheng. "Equivalent Circuit Model

Parameters of a High-Power Li-ion Battery: Thermal and State of Charge Effects”, J. Power Sources, 196, 4826-4831 (2011)

Committee Service

- Faculty Senate Teaching Enhancement Committee, (2018 – Present)
- Dean’s SOE Recruiting Committee, (2017-Present)
- Chair, Senior Design Engineering Expo Committee, (2015- Present)
- CBE Undergraduate/ABET department Committee, (2015- Present)
- Nuclear Engineering (NE) Search Committee for Assistant Professor, (2017-Present)
- Sub –Committee Member, UNM Service Learning Advisory Board (SLAB), (2015- Present)
- Faculty Senate Undergraduate Committee, (2014-2017)

Synergistic Activities

- NSF Graduate Research Fellowship Program Panel (2017)
- Regents Scholar Mentor (2017)
- AIChE Undergraduate Poster Judge (2017)
- Organized ASEE summer workshop to deliver training to chemical engineering faculty on design challenge implementation in a core chemical engineering course (2017)
- NSF INCLUDES Panel Reviewer (2016, 2017)
- Served as ASEE Conference Paper Reviewer (2016-Present)
- Member of AICHE Education Division (2015 – Present)
- Referee Journal of Electroanalytical Chemistry (2015)
- Undergraduate Advising (2014-current)
- Big Brother Big Sister (BBBS) Mentor (2014-current)
- Member of American Society of Engineering Education (2013-Present)
- Faculty Advisor for AIChE Student Chapter (2013-Present)
- Referee ECS Journals, Materials Chemistry & Physics, Energies – Open Access Journal (MDPI AG) (2012-current)

Awards & Recognition

- 2018 SOE Junior Faculty Teaching Award
- 2017 ASEE Chemical Engineering Summer School Poster Award

Research Support

- Award # 1623105: PFE\RED - Professional Formation - Formation of Accomplished Chemical Engineers for Transforming Society; NSF, Drs. Abhaya Datye, Eva Chi, Snag Han, Sung Kang and Vanessa Svihla, \$1,999,957
- Award#1544233; PFE: Research Initiation- Using Digital Badging and Design Challenge Modules to Develop Professional Identity, NSF, Drs. Abhaya Datye, Jamie Gomez and Vanessa Svihla, \$149,998