

Tanya Gupta, Ph.D.

Career Instructor

Department of Chemistry & Biochemistry, University of Oregon

Tanya Gupta is a career instructor in the department of Chemistry and Biochemistry. She is seeking a two-year term (2023-2025) as a senate member for the College of Arts and Sciences-Natural Sciences. Her objective is to serve the faculty and students in natural sciences by listening to their concerns and being cognizant of and focused on the issues that matter to the stakeholders. Her key goal is to foster shared governance by being a voice and representation of the natural sciences in the faculty senate. To achieve this goal, Tanya will strive to connect with faculty and students in the natural sciences, seek their input to prioritize and focus her efforts, and contribute to the faculty senate as a representative for the natural sciences.

Tanya has completed her B.Sc. (Chemistry Honors, Botany and Geology), M.Sc. in Inorganic Chemistry, and an Advanced Diploma in Systems Management (Computers) from India. She worked as a research scholar in Inorganic Coordination Chemistry before moving to the USA to pursue her passion in the field of education. She received M.Ed. and PhD in Science Education from the Department of Curriculum & Instruction (Discipline Based Education Research in Chemistry) with a minor in Higher Education, and Community College Teaching Certification from the Department of Educational Leadership and Policy Studies of the Iowa State University of Science and Technology.

Prior to joining UO as an instructor, she served as an Assistant Professor of chemistry education at South Dakota State University. Her research interests in chemistry education have focused on: a) student-centered, inclusive active learning practices in large enrollment classrooms and laboratories, and b) technology integration via simulations and game-based learning. She moved to the UO as she is very passionate about teaching. She finds that her research, teaching, and service are highly integrated, and being focused on teaching enables her to connect, apply and extend her research meaningfully while working with students. She joined UO in 2021, and in these fast paced two years, she has taught introductory chemistry and the entire sequence of general chemistry lecture and laboratory courses (some courses twice). She has served 2000+ students as an instructor and coordinator for general chemistry laboratories.

Tanya is a prolific author, editor, and chemistry education researcher with a track record of five books, several peer-reviewed chapters, publications, and 90+ presentations. Tanya brings tremendous experience of service in national and institutional committees. She has served as chair of the American Chemical Society's Division of Chemical Education's Committee on Computers in Chemical Education (ACS-DivCHED CCCE) since January 2019 and will be completing her second term in 2023. She is also a member of the National Science Teaching Association (NSTA) Awards Committee, (completing term in 2023). In the past she has served as a nominated member in the NSTAs committee on post-secondary science teaching and NSTAs Nominations Committee. She has also worked with a diverse group of colleagues while serving in the departmental Diversity, Equity, and Inclusion (DEI) Committee, and as a chair of the general chemistry committee. Further she is a fellow of the CAIT-Teaching Evaluation working group, member of Chemistry Department's Professional Advisory Committee, and a member of the Office of the Provost (OtP) Policies workgroup.