

Dr. Vaneet Saini

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Areas of Interest: Machine Learning, Predictive Modelling, Organic Chemistry, Drug Discovery

Skills:

Computational Chemistry Softwares: Gaussian, Amsterdam Modelling Suite, ORCA, Multiwfn, Autodock; Machine Learning softwares: KNIME, Matlab, Python with the knowledge of Pandas, NumPy, Sklearn, Matplotlib, Seaborn, Keras, and TensorFlow, Pytorch, Pytorch geometric libraries.

Organic Chemistry: Glove box and Schlenk manifold; NMR acquisition and analysis (1D and 2D); SFC/HPLC; GC/MS; X-ray crystal growth; Chromatography (including MPLC). Proficient in Chem Office, Bruker, Varian, iNMR, Mac OS X, Windows, SciFinder, Beilstein, Web of Science, Adobe, FileMaker, FTP

Work Experience (March 15, 2018 – present):

Assistant Professor at the Department of Chemistry, Panjab University, Chandigarh – 160014, India.

Education:

COURSE/SESSION	INSTITUTION	BOARD/ UNIVERSITY	PERFORMANCE (GPA/Percentage Marks Obtained)
Ph.D. (Chemistry) August 2010 – July 2015	(Prof. Matthew S. Sigman – Advisor). Department of Chemistry	University of Utah, USA	3.9 (out of 4)
M.Sc. (HS.) Chemistry/ July 2008 – May 2010	Department of Chemistry and Center for Advanced Studies in Chemistry	Panjab University, India	79.47%
B.Sc. (HS.) Chemistry/ July 2005 – May 2008	Department of Chemistry and Center for Advanced Studies in Chemistry	Panjab University, India	78.70%

Research Experience:

Presidential Post Doctorate Fellow (August 3, 2015 – March 5, 2018)

Advisor : *Dr. Jeffrey McKenna* at the Novartis Institutes for BioMedical Research, Cambridge, MA, USA
and *Prof. F. Dean Toste* at the Department of Chemistry, University of California, Berkeley, USA

Graduate Research Assistant (August, 2010 – July, 2015)

Advisor : *Prof. Matthew. S. Sigman* at the Department of Chemistry, University of Utah, Salt Lake City, Utah, USA

Masters Research Student (August, 2009 – June, 2010)

Advisor: *Prof. Jasvinder Singh Brar* at the Department of Chemistry, Panjab University, Chandigarh, India