



SIMRAN SOLANKI

RESEARCH SCHOLAR

CONTACT

9721906203

simran.solanki@iitb.ac.in

09/10/1995

[Research Gate Profile](#)

EDUCATION

Ph.D., Indian Institute of Technology
present | Bombay, India

M.Sc., Banaras Hindu University
2020 | Varanasi, India

SKILLS

Instruments: GC-MS, Py-GC-MS, Py-GCXGC-TOFMS, GC-MS/MS, ssNMR

Software: ChromaTOF, Chemstation, Inkscape, Corel Draw, Chem Draw, Mass Hunter, TopSpin

TEACHING EXPERIENCE

- Sedimentology and Petroleum Geochemistry- B. Tech., (RTU), Kota.
- Unconventional Hydrocarbon Resources- B. Tech., (RTU), Kota.
- Sedimentary Petrology-M.Sc., Mohanlal Sukhadia University, Udaipur.
- Petroleum Geosciences-M. Sc., Mizoram University, Mizoram.

ORGANIZATIONS

AAPG (American Association of Petroleum Geologists) Imperial Barrel Award (IBA) 2019 from Asia Pacific Region, Team Member

PROFESSIONAL EXPERIENCE

- Ph.D. Title 'Diagenetic fate of N-bearing Fossil Biomacromolecules' (2022 - Present)
- MAJOR GEOLOGICAL FIELD WORK: Chunar Terranes (Uttar Pradesh), 2015; Sonbhadra (Uttar Pradesh), 2016; Chitrakoot (Uttar Pradesh), 2016; Darjeeling, Pelling (West Sikkim), 2019; Agartala (Tripura), 2019.
- Internship: ONGC Limited (Dehradun) Summer Training, 'Petroleum Sedimentology and Reservoir Description' (June 2019)

PUBLICATIONS

- Conference- IMOG 2025, Porto, Portugal 'Identification of Chitin Preserved in Miocene Fungi using Py-GCxGC-TOFMS.'
- Conference Publication- XXVII ICMS-2019 'Construction of Balanced cross-section & Estimation of Horizontal Shortening across Tripura Folds with focus on its gas potential.'

COURSES

- Geomorphic Processes with landforms and landscape, IIT Kanpur (NPTEL) 2019
- Laboratory Management and workshop, Swayam (NPTEL), 2019

AWARDS

- Prime Minister's Research Fellowship (PMRF) 2022
- DST-INSPIRE Fellowship 2021
- GOLD MEDAL, Banaras Hindu University M.Sc. (Geology) 2020
- Late Prof. Rajnath GOLD MEDAL (2020), Banaras Hindu University
- Prof. M.S. Srinivasan GOLD MEDAL (2020), Banaras Hindu University
- Shri Prabhakar Vishwanath Dehadrai Memorial GOLD MEDAL (2020), Banaras Hindu University
- All India Rank 1 (PET-2018), Banaras Hindu University
- BHU Medal, Banaras Hindu University B.Sc. (Hons.) Geology 2018
- Late Smt. Nagita Devi Rai GOLD MEDAL (2018) Banaras Hindu University
- Master Nand Lal Sharma Dhanbad Memorial GOLD MEDAL (2018) Banaras Hindu University