



Piyush Sriwastava
Earth Sciences
Indian Institute of Technology Bombay
Research Interest: Mineralogy and Crystallography

184060001
Ph.D.
Male
DOB: 30/07/1996

Examination	University	Institute	Year	CPI / %
Post-Graduation	IIT Bombay	IIT Bombay	2016-2018	9.33
Graduation	Banaras Hindu University	Institute of Science	2013-2016	8.85
Intermediate/+2	U.P. Board	B.S. Inter College Sarnath, Varanasi	2011-2013	85.80
Matriculation	U.P. Board	B.S. Inter College Sarnath, Varanasi	2011	78.60

SCHOLASTIC ACHIEVEMENT

- Secured **All India Rank-1** (Geology) and All India Rank-10 (combined) in **GATE** [Mar,2018]
- Secured **All India Rank 1** in IIT-JAM (Geology) [Mar,2016]
- Secured **All India Rank-5** in **CSIR(JRF)** [May,2018]
- Secured **All India Rank 3** in BHUM.Sc. Entrance (Geology) [Jun,2016]
- Position in top **1 Percentile** in Intermediate State Board examination [Jun,2013]
- **100 Percent** in Physics-II [Intermediate Board exam] [Jun,2013]
- Selected for "**Scientist C**" post (Group A Gazetted Officer) at **Atomic Mineral Directorate, Department of Energy, Gov. of India** [June,2018]

RESEARCH EXPERIENCES

PhD (Ongoing): NANO-MINERALOGICAL AND GEO-BIOLOGICAL INVESTIGATION OF BOLE BEDS

Guide: Dr. George Mathew [2018- Present]

Dissertation: PETROGRAPHY AND GEOCHEMISTRY OF OPHIOLITES, TIDDING FORMATION, ARUNACHAL PRADESH, INDIA

Guide: Dr. George Mathew [2017-2018]

Industrial training: MINE TRAINING IN LIMESTONE MINE OF AMBUJA CEMENT, DARALAGHAT SOLAN H.P.

[May,2017]

Summer Internship: MINERALOGICAL ASSOCIATION SURROUNDING RECURRING SLOPE LINEAE (RSL) ON MARS

Guide: Dr. Amit Basu Sarbadhikari [May-July,2017]

Project: PALAEOGEOGRAPHIC DISTRIBUTION OF CONTINENTS

Guide: Dr. A. D. Singh [BHU April, 2016]

Summer Internship: PETROGRAPHY OF LAMPROPHYRE FROM UDIRIPIKONDA REGION, DHARWAR CRATON

Guide: Dr. N.V.C.Rao [BHU June, 2016]

PUBLICATIONS

- Alik S. Majumdar, **Piyush Sriwastava**, Sapneswar Sahoo, George Mathew, José Manuel Fuenlabradac (Under Review) Petrogenesis of mafic-ultramafic rock suites in the Tidding ophiolite mélange, NE India: Evidence of supra-subduction zone-type setting in the Eastern Himalayan Syntaxis
- **Sriwastava,P.** Singh, V.V. Mathew, G. 2021,'Crystal chemical analysis of Bole beds from Deccan Province of India: Supporting evidence of Hydrothermal alteration' EMG CMG RiP Progress: Minerals in the Natural and Built Environment, Online, May 2021
- **Sriwastava,P.** Mathew, G. 2021,'Pyroxene surface probe study from Red Boles, Deccan Province India: Supporting Evidence of Incipient Weathering' GGRiP-2021: The Geological Society of Great Britain and Ireland and European Mineralogical Union, Online, 22-23 June 2021

AWARDS AND HONORS

- Awarded "**Shyama Prasad Mukherjee Scholarship**" [2019]
- Awarded "**Prime Minister Research Fellowship (PMRF)**" [2019]
- Awarded "**Best Department Coordinator**" of Institute Student Companion Program [2017-2018]
- Awarded **Inspire Scholarship** [Scholarship for Higher Education: DST, Gov. India] [Jun,2013]
- Awarded "**Best Student of the Year**" title in school [Mar,2012]

INSTRUMENT EXPERIENCE

- **Transmission Electron Microscope**, 200kv, JEOL 2100F TA at SAIF, IIT Bombay [since Sept 2020]
- **X-ray Diffraction** Department of Earth Sciences, IIT Bombay
- **IR Spectroscopy** Department of Earth Sciences, IIT Bombay

TEACHING EXPERIENCE

- **Crystallography**, Masters level course for Marine Geology students at CUSAT, Kerala [Spring sem 2021]
- **Mineralogy and Crystallography**, Mtech course at Dept. of Applied Geology, IIT (ISM) Dhanbad [Autumn sem 2021]
- **Mineralogy and Crystallography**, Teaching Assitant at Dept. of Earth Sciences IIT Bombay [Autumn Sem, since 2018]

WORKSHOPS

- SSPro (Winter School on Surface Sciences & Probes Organized by: IISER TVM [2019]
- ICP-AES, ICP-MS, CHNSO instrumentation Organized by: SAIF, IIT Bombay [2018]
- Mendley Workshop Organized by: Shubra Dutta ReSCon Am'17 IIT-Bombay [2017]
- Research to Entrepreneurship Organized by: Puneet Raman (founder of "ProwisdomGrowth" ReSCon Am'17 IIT-Bombay [2017]
- Matlab workshop IIT-Bombay [2016-2017]
- Overview of NELP Scenario, on land Exploration and Addressing Environmental Concern Organized by: ONGC [IIT-KGP "PRITHVI" Mar, 2016]

POSITON OF RESPONSEBILITY

- Overall Coordinator, Protolith'20 IIT-Bombay [2020]
- Department PhD Representative IIT-Bombay [2020]
- Institute Hygiene Committee Member IIT-Bombay [2019]
- Overall Coordinator, Institute Research Scholar Companion Program IIT-Bombay [2019]
- Assistant Manager Event, ReSConAm'17 IIT-Bombay [2017]
- Department Coordinator, ISCP team IIT-Bombay [2017-18]

EXTRA-CURRICULARS

- **1st** in "Drama Night" (PG Cult, IIT-Bombay) [2017-2018]
- Worked as Geologist in Mars Rover Team (Mars Rover Society India), IIT-Bombay (Selected for University Rover Challenge at Utah, USA, 2018) [2017-2018]
- **3rd** in '**Geomodeling**' and '**Mineralogique**' event in Earth Sciences annual fest '**Prithvi**' IIT-KGP [Mar,2016]
- Poster Presentation on "**Coal Beded Methane**" selected in **top ten posters** in 'PRITHVI' IIT-KGP [Mar,2016]
- Successfully participated in **HurdleMania** (robot race), **Momentum** (water rocket launching), **Hydracs** (hydraulic arm competition) in **TECHNEX IIT-BHU** [2015,2016]
- **Winner** of '**Robowar**' at Ashoka Institute of Technology and Management (AITM) Varanasi [Mar,2016]
- **Runner-up** of '**Momentum**' and '**Roborace**' at AITM Varanasi [Mar,2016]
- 2-year membership of **National ServiceScheme**, BHU [2014-2016]
- Participated in **JIGYASA** an annual CEBS science quiz IIT-Bombay [2016]
- **Winner** of Science Exhibition in Institute annual fest, "**Akanksha**" BHU [Mar,2015]
- **3rd** in quiz **Akanksha** an Institute annualfest BHU [Mar,2015]
- '**Shreshth**' grade in 'Bhartiya Sanskriti Gyan Pariksha' Organised by: Gaytri Parivar Hridwar [2007]

TECHNICAL SKILL

- Adobe Illustrator, Coral Draw, Microsoft Office Semester Course BHU [2016]
- C++ coding Semester Course IIT-Bombay [2016]
- Matlab, Python coding Workshops IIT-Bombay [2016]
- ERDAS Imagine software Semester Course IIT-Bombay [2017]
- ENVI software Summer Internship PRL Gujrat [2017]

HOBBIES

- Flute (Learnt basics of flute and few Ragas in the Cult School organized by IIT Bombay)
- Dramatics