

Department of Geology University of Delhi



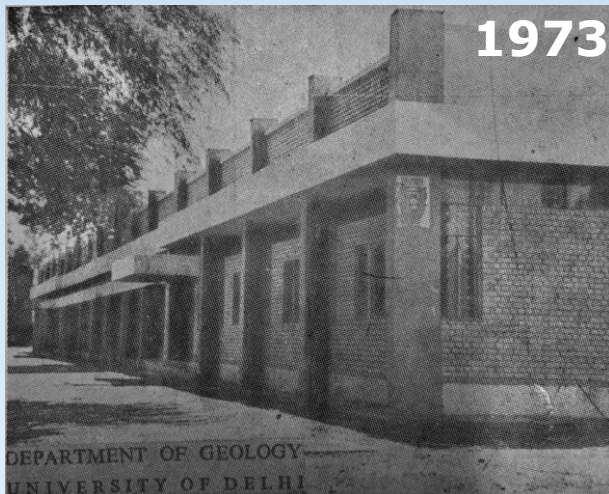
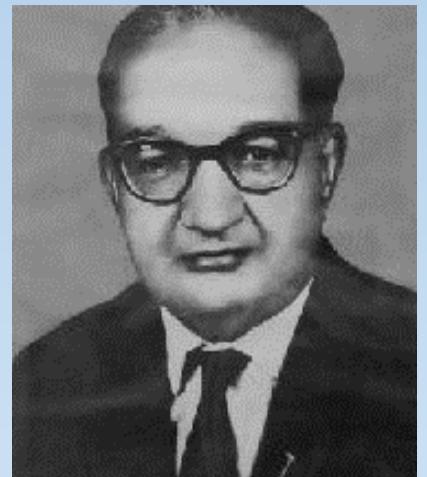
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OUR VISION

The Geology Department of the University of Delhi is committed to provide the highest levels of education through continuous revisions and expansion of our educational, research, and interactive programs in order to produce well-trained, competent, academic and professional geologists capable of scaling new heights in frontiers of geoscience.....

DEPARTMENT HIGHLIGHTS

Geology at the University of Delhi is the brainchild of Prof. A. G. Jhingran. He established the department in the year 1966 after his retirement as Director General of Geological Survey of India. Prof. Jhingran is credited as one of the most accomplished geologist, educationist and administrator of his time.



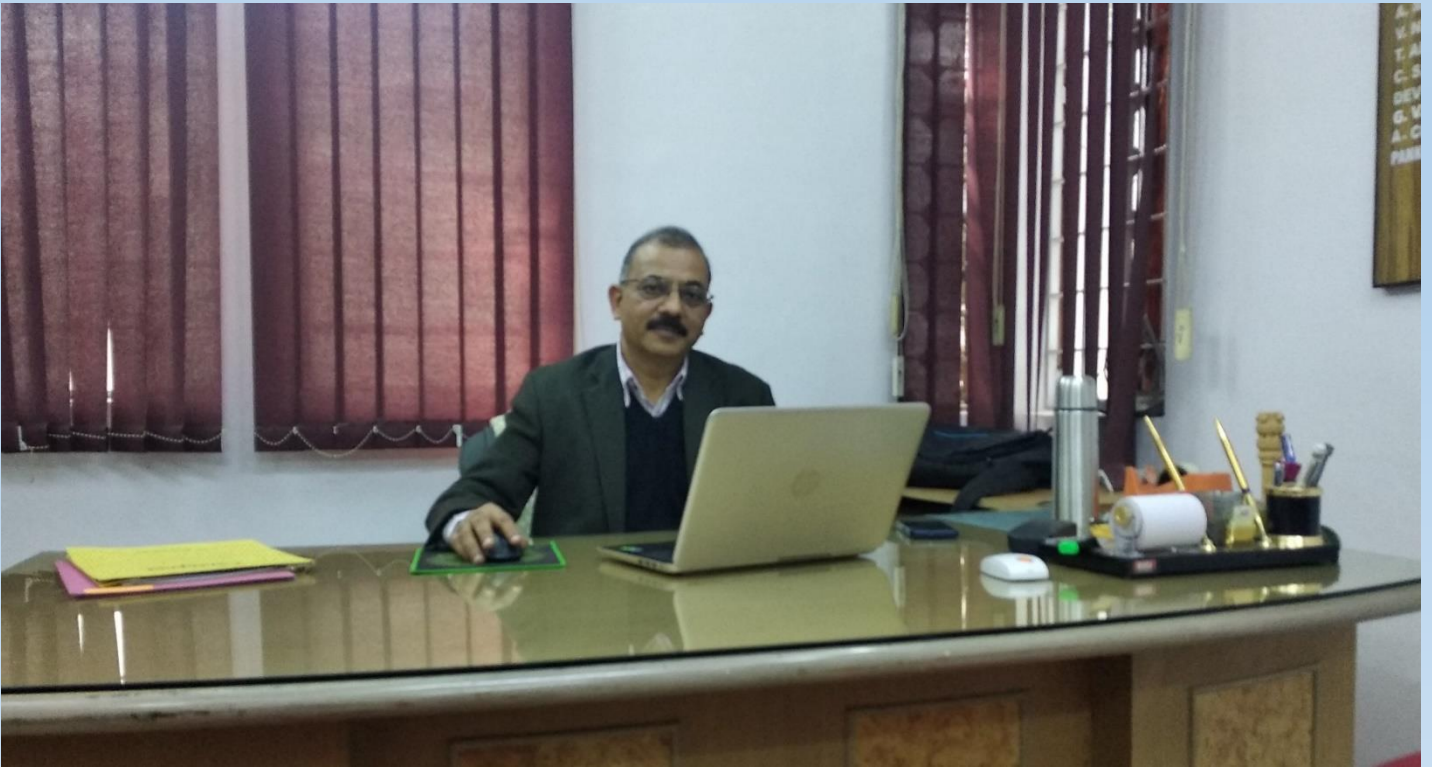
In his visionary leadership, Department of Geology was established to expand and disseminate geoscience through teaching, research, and collaboration to produce highly skilled professionals and academics in the field of geology in particular and science in overall.

Over the last 50 years, with a modest beginning now our department is functioning from three small buildings adjacent to CSL with offices, class rooms, laboratories, thin-section workshops, and a museum. Addition of new faculties over the years with diverse field of expertise in geoscience has helped us to achieve new highs in teaching and research. At present the department is rated as one of the best institutions in the country.



Department of Geology at Present

From the Desk of Head



Department of Geology at the University of Delhi is one of the premier learning centres for geoscience in India. It was established in 1966 by Prof. A.G. Jhingran (former DG GSI) with the aim of providing useful education, conducting high-quality original research, and providing leadership in various disciplines of geosciences. A regular updating of curriculum syllabus and innovative methods of teaching our department have provided a strong reputation and influence in geoscience, both at national and international levels. Our dedicated faculty members undertake major scientific research projects that involve basic and advanced research and societal needs. Our department gives great importance to talent and encourages students and research scholars to make fundamental, strategic, original, and significant contributions to geoscience and society. I am grateful to those who care and support our endeavour. I am looking forward to our faculty and students scaling new heights in geoscience frontiers.

Prof. Pankaj Srivastava (Head)
Ph.D. (IIT Roorkee)

COURSES OFFERED

- **B.Sc. (Hons) Geology (NEP)**

Admission to the undergraduate program is through the Common University Entrance Test CUET (UG) conducted by the National Testing Agency (NTA). There is tough competition among students from across the country, and the program has a total of 58 seats. The breakup of the seats are as:

Total	UR	SC	ST	OBC	EWS
58	23	9	4	16	6

- **M.Sc. (Hons) Geology (2-years CBCS)**

Admission to this postgraduate program is through the Common University Entrance Test CUET (PG) conducted by the National Testing Agency (NTA). There are 42 seats, out of which 21 seats are reserved under different categories for students passing out of Delhi University and 21 seats are open to all including students from DU. The breakup of the seats are as:

Total	UR	SC	ST	OBC	EWS
42	16	6	4	12	4

- **M.Phil.**

This program is discontinued as per the academic council resolution.

- **Ph.D.**

Admission to this program is based on the National Eligibility Test (NET) scores from the entrance exam conducted by the National Testing Agency (NTA). Admission to the Ph.D. program is done following the guidelines of the UGC adopted by the University from time to time.

NEP: New Education Policy 2020; **CBCS:** Choice-Based Credit System

COURSE STRUCTURE

B.Sc. (Hons) (NEP)

List of Papers:

Earth System Science, Mineral Science, Concepts of Stratigraphy, Structural Geology, Igneous Petrology, Elements of Geochemistry, Palaeontology, Sedimentary Geology, Metamorphic Geology, Geomorphology, Hydrogeology, Geology of India, Economic Geology, Engineering Geology, Geological Mapping, Remote sensing and GIS, Fuel Geology, Paleoceanography and Paleoclimate, Crustal Evolution through time, Research and Analytical Methods in Geoscience + Discipline Specific Elective + Generic Elective

M.Sc. (CBCS)

List of Papers:

Earth Surface Processes, Structural Geology and Tectonics, Igneous Petrology, Mineralogy, Sedimentary Geology, Metamorphic Petrology, Stratigraphy, Oil & Coal Geology, Micropaleontology & Oceanography, Hydrogeology, Ore geology & Mineral economics, Geo-exploration, Engineering Geology, Remote sensing & GIS, Geophysics, Interdisciplinary courses, Elective courses

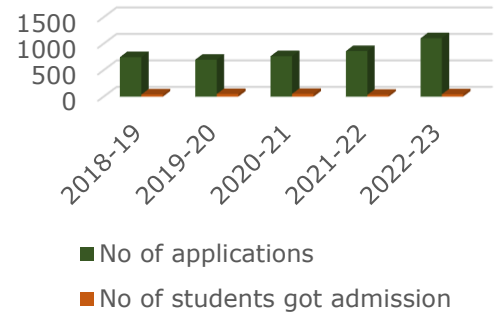
Subjects	B.Sc. (NEP)	M.Sc. (CBCS)
No. of papers	50 (Including core + DSE +GE + AEC +SEC +VAC +Dissertation/ Internship/Apprenticeship/Project	20 (Including core courses + Elective courses + Dissertation)
Field Training	2	2
Summer Internship	Student dependent	Student dependent
Project oriented Dissertation	If continued for fourth year	1
Total Credits	176	96

DSE: Discipline Specific Elective, **GE:** Generic Elective, **AEC:** Ability Enhancement Course, **SEC:** Skill Enhancement Course, **VAC:** Value Addition Course

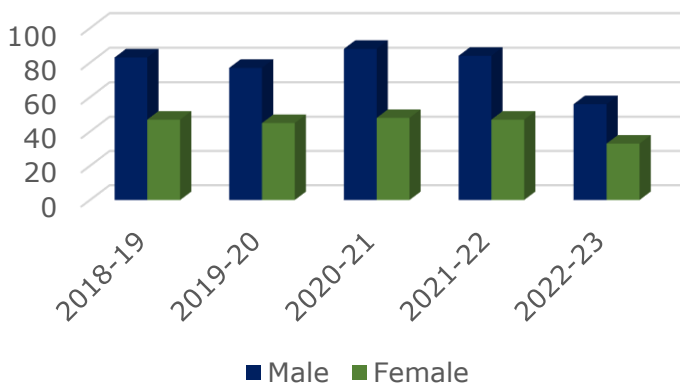
HIGHLIGHTS

Year	UG	PG	Ph.D	M.Phil
2018-19	123	62	63	5
2019-20	139	65	53	4
2020-21	157	79	53	4
2021-22	173	73	54	4
2022-23	175	39	48	2

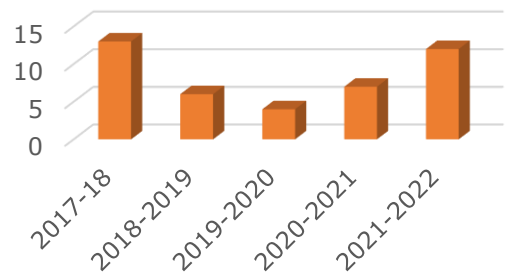
Demand Ratio (PG+MPhil+PhD)



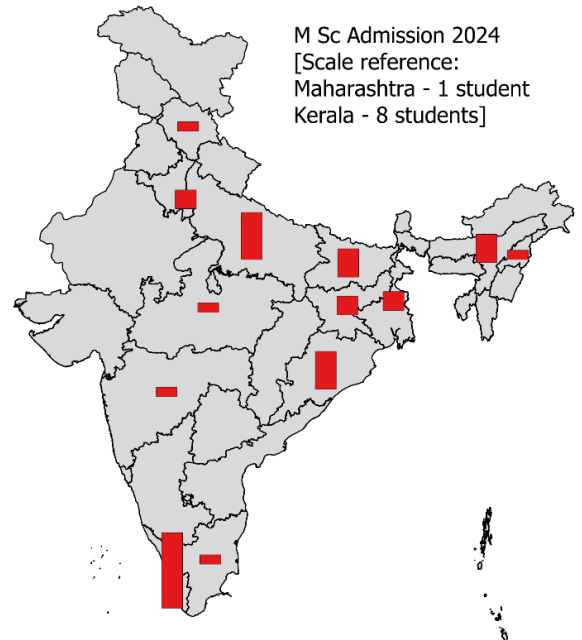
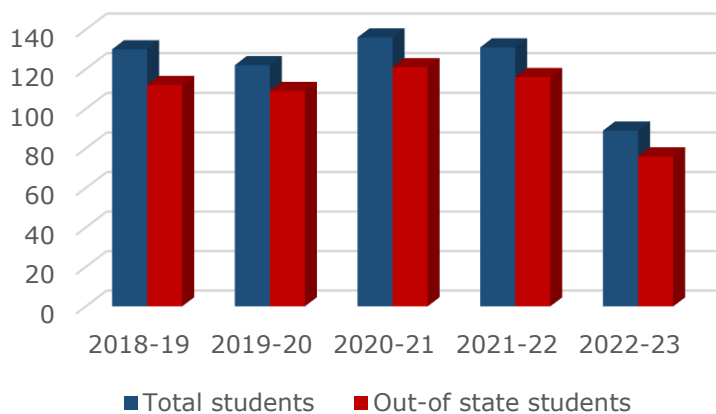
Gender ratio (PG+MPhil+PhD)



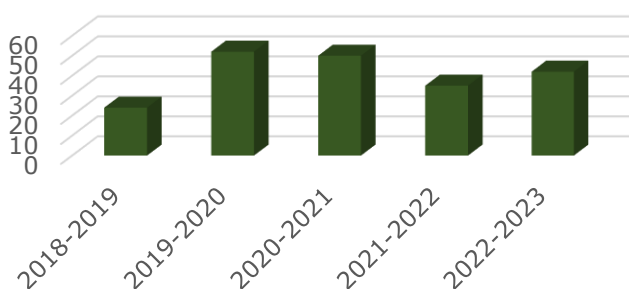
Number of PhD



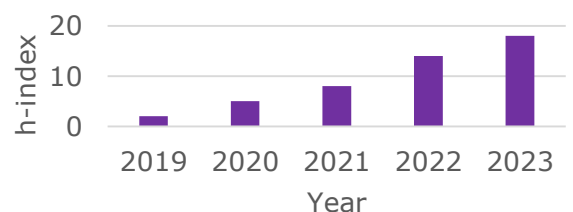
Out of state students (PG+PhD+MPhil)



Number of publications



h-index for publications between 2019-2023



ACHIEVEMENTS

Students

- Shyama Prasad Mukherjee Fellowship - 5
- S.N. Bose Fellowship - 3
- PMRF - 1
- Qualify for NET-JRF, GATE, IIT-JAM
- Posted at different posts in Geologists Service Examination, GSI, ONGC, Coal India Limited, Atomic Mineral Division, and Hindustan Zinc Limited regularly.
- Prestigious International fellowships & grants (Erasmus Mundus; Marie Curie Doctoral Network Fellowship etc.): 47

Department

- Ford Foundation award
- Special Assistance Program (UGC-SAP)
- COSSIST
- DST-FIST – I and II
- DST-FIST – III applied
- Centre of Advance Studies I, II, and III

Faculty

- Shanti Swarup Bhatnagar Award - 2
- Third World Academy of Sciences - 3
- Fellow of National Academy of Science - 5
- Fellow of National Academy of Sciences, Bangalore - 5
- Fellow of Academy of Sciences - 5
- National Mineral Award – 9

MAJOR EQUIPMENTS/FACILITIES

- X-Ray Diffraction
- X- Ray Fluorescence



- Optically Stimulated Luminescence
- Fluid inclusion lab
- Microscopy lab

- Thin section preparation lab



OTHER LABORATORIES

- Total organic carbon analyser
- Remote Sensing & GIS
- Sandbox Modeller
- Scanning Electron Microscope
- Engineering Geology
- Micropaleontology
- Vertebrate Paleontology
- Geochemistry
- Sedimentology
- Hydrogeology

MUSEUM

(OPEN - MONDAY - FRIDAY 10:00 AM - 5:00 PM)



Ammonite Shell



Amethyst



Quartz



Models of Dinosaurs

OUTREACH ACTIVITIES



Departmental Museum visit by students of different DU colleges

Visit to H. B. Medlicott Museum, Department of Earth Sciences, IIT Roorkee



Outreach program by SEG DU at Holy Child Senior Secondary School, Tagore Garden, New Delhi.

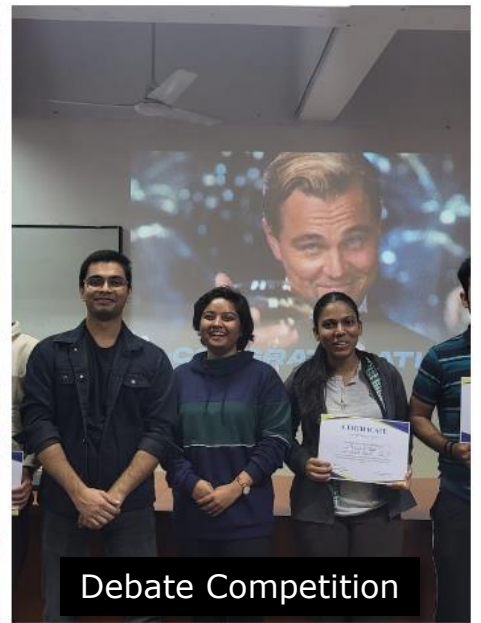
CO-CURRICULAR ACTIVITIES



Conglomerate 2024



Debate Competition



Debate Competition



Farewell 2023



Fresher's 2024



Anti-Ragging Day



Conglomerate 2024



Teachers' Day

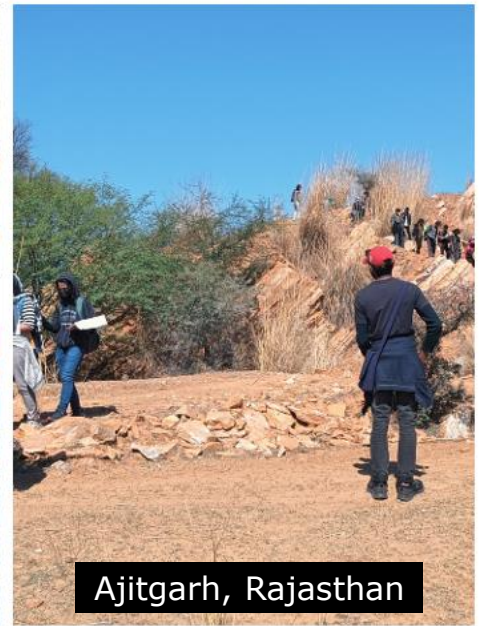
GEOLOGICAL FIELD TRIP



Ajitgarh, Rajasthan



Haridwar, Uttarakhand



Ajitgarh, Rajasthan



Rishikesh, Uttarakhand



Ajitgarh, Rajasthan



Almora, Uttarakhand



Udaipur, Rajasthan



Ajitgarh, Rajasthan



Almora, Uttarakhand

SOCIETIES

AAPG DELHI STUDENTS CHAPTER

American Association of Petroleum Geologists (AAPG) Student's Chapter, University of Delhi

- Promotes education and networking opportunities in Geology, specifically in the field of Hydrocarbon sector.
- Organizes regular seminars and events that offer an opportunity to interact and gain knowledge in the field.



Society of Exploration Geophysicists (SEG) Student Chapter-University of Delhi

- The objective of SEG is connecting, inspiring, and propelling the people and science of geophysics.
- Conducts regular seminars, events, webinars, and interactive sessions to strengthen the academic-industry relationship.



SOCIETIES

Paleontological Society of India (PSI), Student Chapter, North Zone, University of Delhi

- Conducts various student-oriented activities such as talk shows, geological museum tours, geoheritage walk etc.



PEOPLE

Prof. Pankaj Srivastava (Head)

Area of specialization - Paleopaedology, Sedimentary Geology, & Quaternary Geology



Prof. G.V.R. Prasad

Area of specialization - Vertebrate Palaeontology



Prof. Devesh Kumar Sinha

Area of specialization - Micropaleontology, Oceanography & Cenozoic Oceanic Biostratigraphy



Prof. Anupam Chattopadhyay

Area of specialization - Structural Geology



Prof. Partha Pratim Chakraborty

Area of specialization - Sedimentology, Sequence Stratigraphy and Basin Modeling



Dr. Somendra Kumar Singh

Area of specialization - Engineering Geology



Prof. Shashank Shekhar

Area of specialization - Hydrogeology



Prof. Vimal Singh

Area of specialization - Tectonic and Fluvial Geomorphology



Prof. Ashutosh Kumar Singh

Area of specialization - Micropaleontology & Paleoceanography



Prof. G K Sharma

Area of specialization - Marine Micropaleontology and Stratigraphy



PEOPLE

Dr. Ashima Saikia

Area of specialization - Metamorphic & Igneous Petrology



Dr. Pramod Kumar

Area of specialization - Stratigraphy, Paleontology, Coal & Petroleum Geology



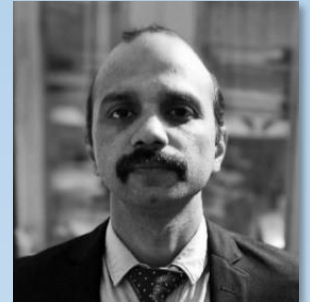
Dr. Manika Gupta

Area of specialization - Environmental Geology & Remote Sensing



Dr. Naresh Rana

Area of specialization - Active tectonics; Geomorphology; Geohazards; Himalayan Tectonics



Dr. Anindita Dey

Area of specialization - Mineralogy, Petrology, Geochronology



Mr. Rahul Dixit

Area of specialization - Structural Geology, Geochronology, Himalayan Geology



Dr. Saquib Abdullah

Area of specialization - Igneous Petrology and Structural Geology



Dr. Priyanka Singh Rao

Area of specialization - Structure and Tectonics, Neotectonics and Paleoseismology



Dr. L Sardine Varay

Area of specialization - Fluvial geomorphology, Stable isotope hydrology, Hydrogeology



Conferences

National Seminar on Recent Advances in Geoscience Research in India



July 1 and 2, 2021

Virtual Mode

Abstract Volume



Department of Geology
Centre of Advanced Studies
University of Delhi
Delhi 110 007



29th Indian Colloquium on Micropaleontology and Stratigraphy

17th to 19th October 2024



Museum, Department of Geology, University of Delhi



Convener: Prof. Ashutosh Kumar Singh

ashutoshsingh@geology.du.ac.in

Ph: 9971814780

Organizing Secretaries:

Dr. Pramod Kumar

Dr. Naresh Rana

Mr. Rahul Dixit



Organized by

Department of Geology
Center of Advanced studies
University of Delhi
Delhi-110007



Alumni Association & Activities

Delhi University Alumni (DuAl) Geology Association (Regn. No. District East/Society/1753/2017) was established in January 2017.

Within a short span the number of registered members has nearly reached to 100 and two meetings have already been organised in association with the Department of Geology.

Office bearers:

President: Prabhas Kumar Pande

Vice-President: Amitava Kundu

General Secretary: Vimal Singh

Treasurer: Rana Chatterjee

Joint-Secretary: Ravish Lal

Contact:

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115 I.P. Extension

Delhi - 1100092

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Tel: +91-98688460870



Alumni Members with Faculty



DUAL Newsletters



Contact Us

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