

## Professional/ Carrier Profile of Professor (Dr) Sanjay Shukla

**Name** Prof. Sanjay Shukla, M.Sc. Ph.D.

**Designation** Professor and Head (2008 to 2022)

**Experience** 38 years of Teaching and Research

**E-mail** [drsanjaygeo@gmail.com](mailto:drsanjaygeo@gmail.com)

**Website** <https://bsnvpcollege.co.in>



**Address** P G Department of Geology  
BSNV PG College (University of Lucknow)  
Lucknow, U.P. India PIN 226001

**Res. Address** 12-C, Avadh puri, Sarvodaya Nagar  
Lucknow, U P, India, PIN 226016

**Qualification** M.Sc. Ph.D. (Geology) University of Lucknow, Lucknow

### Field of Activity:

Hard rock Petrology (Metamorphic and Igneous) Petro-chemistry, Geomorphology, Environmental Geology and Structural geology.

To raise the teaching standard and facilities for Geology students of college by organising lectures/ interaction with many Geology Stalwarts.

### Title of Ph. D Thesis:

*Study of Baghisoti Granites and associated rocks of an eastern part of Son Valley, Uttar Pradesh, with special reference to their Petro chemistry. Son Bhadra District, Uttar Pradesh, India.*

### Training Courses:

1. Remote sensing and GIS applications for urban development and Disaster Management, September 10-30, 2001 at RSAC UP, Lucknow.
2. Application of Remote Sensing in Disaster management September 5-10, 2005 at RSAC UP, Lucknow.

3. Participated in the “International Conference and Field meeting on Precambrian Life, Time and Environment: Evolving concepts and Modern Analogues & Symposium and Workshop on Acritarch’s” as a Member of Scientific Programme Committee, and field work in Himalaya with 22 foreign Geologists from February 2 to 9, 2010.

4. National Conference on Geology and Society & Training Programme on Disaster Management, February 29-March 1, 2012, Organised by Department of Geology, University of Lucknow.

4. Participated in” International Workshop & Training on Water and Urban Initiative” sponsored by United Nations University, Institute for the Advanced study of Sustainability, Tokyo, JAPAN. Organised by Department of Geology, University of Lucknow from December 11 to 13, 2017.

### Achievements

1. Contacted and persuaded ONGC officials for Financial Grant for development of infrastructure of Geology department. Mr. N. K. Verma, MD, ONGC Videsh Ltd. (2013) an alumnus of Geology Department of college gave the financial grant.

2. Signed MOU with Birbal Sahni Institute of Palaeosciences (BSIP) an institute with international recognition in field of Geology. Prof. Sunil Bajpai FNA, then Director of BSIP and presently Chairman/Head, Department of Earth Sciences IIT Roorkee, for Geology Department of college along with Principal on (24.11. 2017).

### Administrative Experience:

Member Board of Studies in Geology, University of Lucknow for more than 20 years.

Member Syllabus Committee Department of Geology, University of Lucknow

Member Subject Expert Committee for Geology for NEP 2020, Government of UP.

Convenor Admission (Science) more than 15 years.

In charge Rovers/ Rangers of college unit for many years.

Superintendent/Asst. Superintendent, LU Examinations in college for more than 20 years.

Convenor Alumni Committee, Sports Committee, Research and Development Committee, Teaching and Evaluation, Grievance Redressal Cell, Disaster Management Committee etc. of the college.

Coordinator UGC Remedial Classes in College 2012 and 2013.

Nodal Officer AISHE, BSNV PG College, 2013, 2014, 2015, 2016 and 2017.

Member NAAC Committee of BSNV PG College, Lucknow.

Member IQAC of BSNV PG College, Lucknow.

- Asst. Superintendent Lucknow University UG Results, Processing, Evaluation, Scrutiny, Conduct etc. for more than 10 years.
- Conducted more than 10 CPMT examinations at different cities/ centres of UP.
- Lucknow University Supervisor for B.Ed. Exam in Bareilly Nodal Centre, 2010.
- Observer in Joint Eligibility Examination (Ph.D.) 2012 Govt. Of UP.
- Deputy Nodal Coordinator CPAT Exam 2017 in Lucknow, Govt. Of UP
- Deputy Nodal Coordinator B.Ed. Exam 2018, 2019 in Lucknow. Govt. Of UP.

### Life Fellow of Scientific Societies

1. Indian society of Geoscientists. Lucknow.
2. Indian National Geographers, Lucknow.
3. Himalayan Geology Journal, Dehradun.
4. Anusandhan - Vigyan Shodh Patrika, Lucknow.

### More than 70 Geological Field Works (Excursions)

Conducted more than 68 field works of Geology students of college in different Parts of country. Field work/ field training is an integral part of Syllabus of Geology)

### Guest Faculty in Institute of Management Sciences L.U.

Completed coursework of **MBA (Petroleum Technology & Management)** semester II programme in 25 Lecture hours, in University of Lucknow April 2009.

### Counsellor of Geology in IGNOU, Lucknow LCC Centre

#### Confidential work done

In many universities and at Public Service Commission Govt of Uttar Pradesh, Uttara Khand, Andhra Pradesh and Madhya Pradesh

Organized Sameer Misra memorial Interstate Teachers Badminton Tournament in Lucknow

**Shramdan** Cleaning of River Gomti and adjoining areas along with students

**Organised Exhibitions on Environment**

**International Fossil Day: Exhibition of Fossils for students and outsiders**

### Conducted Two Value Added Courses

1. Geological Techniques and its applications.
2. Gemmology: Identification and significance of precious stones.
3. Organised workshops on Gemmology in Department and at premises of MSKD Jewellers.

### Talks given on All India Radio:

1. Delivered talk/discussion on “Acid Rains” transmitted on All India Radio (Jan Vani) on September 6<sup>th</sup> 2008 at 3.00 pm
2. Delivered Talk/ discussion on “Natural Disasters: Reasons and Possibilities of Rescue” transmitted on All India Radio on 7th august, 2014 at 12.15 pm

### List of Research Publications

1. Shukla and Srivastava (1987) Recrystallization and Deformation history of Biotite in the Pelitic Metasediments around Baghisoti pluton in Son Valley, District Mirzapur, UP. ISG Bulletin 3, pp 15-18.
2. Shukla (1989) On the development of Fibrolite in Bijawar metasediments, around Baghisoti area, District Mirzapur, UP, Geoscience Journal Volume 10, pp 15-20.
3. Shukla and Srivastava (1990) Microstructural evidences of time- relationship between metamorphism and deformation in Bijawar metasediments of eastern part of Son Valley, District Mirzapur, UP, Geoscience Journal Vol.11, pp 159-168.
4. Shukla Sanjay (1994) Geomorphic study of eastern part of Son valley, Sonbhadra District, UP with special reference to Land use. Institute of Geographers India Research Publication Series No. 4, in New Dimensions-in Geography and Allied Sciences, (1994), Edited by R.S. Dixit, D.N. Verma and R.B. Chaturvedi, pp 97-102.
5. Srivastava and Shukla (1997): Baghisoti Pluton: a Post Orogenic Granitoid in Mahakoshal Group, District Sonbhadra, In Precambrian 97, National Seminar, , Tectonomagmatism, Geochemistry and metamorphism of Precambrian Terrains, Abstract volume pp 25.
6. Srivastava, A.K, Sanjay Shukla and Hemant kumar. (2000) Baghisoti Pluton : A Peraluminous Granitoid in Parsoi Formation, Mahakoshal Group, District Sonbhadra, U.P. Geoscience Journal Vol. XXI – (2), pp 147-160.
7. Mishra Anil kumar, Mishra Ajai and Shukla Sanjay (2005) Waste Water Treatment in Developing Countries .Journal Eco physiol. Occuo. vol. 5, I-II, pp 55-99.
8. Awasthi, N K and Sanjay Shukla (2009), Impact of Fluoride concentration on human health in parts of Sonbhadra district, UP, India. Published by Institute of Geographers India, in book entitled “Geography in Twenty first Century”, Selected Readings, pp 235-240.
9. Anil Kumar Mishra, Ajai Misra, Sanjay Shukla, Saurabh Gupta and Shalini Gupta (2009) Urbanization and Land use Pattern in Mathura district, a case study .Res. Environ. life sci, vol.2 (1) , pp 17-20.
10. Tewari, B.S and Shukla Sanjay (2013) Bharat ki Bhu-Sanrachana- ek sanchiptarichaya, Anusandhan ( Vigyan Shodh Patrika), vol. 1,(1), pp 159-161.
11. Kulshrestha ,S.K, and Shukla Sanjay (2014) Lucknow Metro Rail Project-A Geological Evaluation. Anusandhan( Vigyan Shodh Patrika), vol-2 (1) pp 210-214.

12. Shukla, Sanjay, (2016) Geomorphologic study of the eastern part of Son Valley with reference to Land use. Anusandhan (Vigyan Shodh Patrika), vol-4 (1) pp. 22-25.
13. Shukla Tanuj, Shukla, Sanjay and Mehta manish (2017) Climate Change: An estimate of risk to Himalayan Glaciers and Environment, Anusandhan, (Vigyan Shodh Patrika), vol-5 (1) pp. 10-16.
14. Sundrial, Sipika, Shukla, Tanuj and Shukla Sanjay (2017) Effect of physical and chemical weathering on water resources: A glacial assessment. Anusandhan, (Vigyan Shodh Patrika), vol-5 (1) pp. 57-60.
15. Shukla, Tanuj and Shukla Sanjay, (2018) Dokriyani Glacier (Dingarh Glacier) and its Analyses. Anusandhan (Vigyan Shodh Patrika), vol-6 (1) pp. 47-52.
16. Sanjive, Shukla, Sanjay, Shukla, Richa Shukla, Sandeep Shukla, Jaya Sharma and U.D. Sharma (2018) A report on fresh water bivalves and their shell structure from Lucknow (UP) India. Int. Jour. Adv. Res. (IJAR) Vol. 6 (2), 601-605.

### Lectures Delivered:

1. Shukla Sanjay (2021) Sustainable Management of Water Resources (Invited Lecture) in National seminar on Environmental Challenges and sustainability, September 15, 2021. BSNV PG College, Lucknow.
2. Shukla Sanjay (2020) An Approach to Sustainable Mining: Need of the Day. (Planary Lecture) in National Seminar on Consumerism, Social Equity and Environmental Sustainability. (Sponsored by Department of Higher Education, Govt of U.P.) Feb. 1-2, 2020, BSNV PG College, Lucknow
3. Shukla Sanjay (2020) Smart systems for monitoring chemical contaminations in water in National seminar on prospects of science and society in era of Artificial Intelligence, March 3-4, 2020, BSNV PG College, Lucknow.
4. Shukla Sanjay (2020) Impact of Pandemic on Field Studies, August 19, 2020, in National Webinar organized by Geology Department,
5. Shukla, Sanjay (2018) An Approach to Nature, Paper presented in National Conference on Environmental Pollution: Burden and Strategies for Control, (Sponsored by Department of Higher Education, Govt of U.P.) March 27-28, 2018, Isabella Thoburn College, Lucknow.
6. Shukla Sanjay (2018) Digital learning in teaching of Geology in National seminar on Digital Learning: opportunities and challenges in Higher Education, May 5, 2018. , BSNV PG College, Lucknow.
7. Shukla Sanjay (2013) Gomti -the lifeline of Lucknow, in National seminar on Environmental degradation and aquaculture, 28 April, 2013. BSNV PG College, Lucknow.
8. Shukla Sanjay (2013) Waste management practices, country's present day requisite, in National seminar on changing environment and biodiversity, March 24, 2013. Navyug Kanya Mahavidyalaya, Lucknow.
9. Presented seminar lecture on "Surface and Ground Water Resource Management: an example from Urban area of Lucknow" UGC Academic Staff College, BHU, pp .....

### Publications in Book

1. The Geological Map of Baghisoti Area, Sonbhadra District, UP mapped by **Sanjay Shukla** (from my Ph.D. Thesis 1992), and published in paper entitled “ Baghisoti Pluton; a Per Aluminous Granitoid in Parsoi Formation, Mahakoshal Group, District Sonbhadra, UP,(2000-b). This has been incorporated, published and referred in book entitled “Geology of Uttar Pradesh and Uttaranchal, (2005) by Gopendra Kumar, former Director GSI, published by Geological society of India, Bangalore, the most reputed journal of Geology in India.
2. **Sanjay Shukla and Awasthi N.K (2009)**, Impact of Fluoride concentration on human health in parts of Sonbhadra district, UP, India. Published by Institute of Geographers India, in book entitled “Geography in Twenty first century”, selected readings,(2009) pp 235-240.
3. **Sanjay Shukla (1994)** Geomorphic study of eastern part of Son Valley, Sonbhadra District, U.P. with special reference to Land use. Institute of Geographers India Research Publication Series No. 4, in **New Dimensions in Geography and Allied Sciences (1994)**, Edited by R.S.Dixit, D.N. Verma and R.B. Chaturvedi, pp 97-102.

### Other Seminar/Workshop/ Conferences Attended

1. Workshop on Environment at Lucknow University by Scientific and Technical Terminology Commission, HRD, New Delhi from 7.1.1995 to 10.11.1995.
2. Workshop on Ecology, Genetics and Biotechnology at BSNV PG College, by Scientific and Technical Terminology Commission, HRD, New Delhi from 25.3.1996 to 28.3.1996.
3. Workshop on Geology and Minerals at Directorate of Geology and Mining, UP, by Scientific and Technical Terminology Commission, HRD, New Delhi from 20.4.1999 to 22.4.1999.
4. Workshop on Scientific writing in Hindi, at Lucknow University, by Scientific and Technical Terminology Commission, HRD, New Delhi from 20.9.2002 to 22.9.2002.
5. Indian Science Congress 89 th session, Earth system sciences January 3-7,2002 in Lucknow University, Lucknow.
6. National Seminar on North ward flight of India in the Mesozoic-Cenozoic: Consequences on Biotic changes and Basin Evolution from December 7-9, 2005, at Department of Geology, Lucknow University, Lucknow.
7. National Seminar on Himalayan Orogen - Foreland Interaction from January 29-30,2003, at Department of Geology, Lucknow University, Lucknow.
8. National conference and Exhibition on Safe and Affordable technologies for household water purification and their management, June 28-29, 2007. Lucknow University, Lucknow
9. National Seminar on Glacial Geomorphology and Palaeoglaciaticion in Himalaya from March 13-14, 2008, at Department of Geology, Lucknow University, Lucknow.
10. Seminar on NAAC Accreditation and Assessment: A quality Enhancement Mechanism in Uttar Pradesh, November 4-5, 2008,at I T College, Lucknow



11. National Seminar on Quaternary Geological Processes: Natural Hazards & Climate Change, February 25-26, 2009, at Centre of Advanced Study in Geology, University of Lucknow,
12. International conference/ Symposium and Field meeting, on Precambrian Life, Time and Environment: Evolving concepts and Modern Analogues & Symposium and Workshop on Acritarchs” as a Member of Scientific Programme Committee, and field work in Himalaya with foreign Geologists from February 2 to 9, 2010.
13. National Seminar on Late Quaternary Geology of the Himalayan Orogen and the Foreland Basin, February 16-17, 2011, at Centre of Advanced Study in Geology, University of Lucknow,
14. National Symposium on Application on various techniques in Fluid Dynamics, February 10-12, 2011, at BSNV PG College, Lucknow.
15. National Conference on Geology and Society & Training Programme on Disaster Management, February 29-March 1, 2012, Organised by Department of Geology, University of Lucknow.
16. National Seminar on Changing Environment and Biodiversity, March 24, 2013 at Navyug Kanya Mahavidyalaya, Lucknow.
17. National Conference on Role of Mathematics in Advancement of Science and Technology, October 18-20, 2013, at BSNV PG College, Lucknow.
18. National Workshop on Quality Enhancement under Carrier Advancement Scheme (CAS), July 7, 2015, at BSNV PG College, Lucknow.
19. National Conference on Climate change and Natural Resources: Impact and Sustainable Development in Indian Perspective, February 20-21, 2018, at Centre of Advanced Study in Geology, University of Lucknow.
20. National Conference on Role of Remote sensing and GIS in Natural Hazard Assessment for Sustainable Development: Present scenario and Future Perspective, March 15, 2019, , at Centre of Advanced Study in Geology, University of Lucknow.
21. 31<sup>st</sup> National Convention on Future Strategies for Sustainable Mining, The Institution of Engineers (GOA state centre) and Mining Engineers Association of India (Goa Chapter), October 4-5, 2019 at Hotel Taj Vivanta, Panaji, Goa.

### Letter of Appreciation

1. Appreciation letter by Prof. A.S. Brar, Vice Chancellor, Lucknow University, Lucknow for conducting CPMT examination 2008.
2. Certificate of Appreciation for NEP 2020, Syllabus Restructuring for all Universities and Colleges of UP, by Monika Garg, Additional Chief Secretary, Department of Higher Education, Govt. Of Uttar Pradesh. (August 6 2021)
3. Letter of Appreciation by Shri T. N. Misra Chairman/President BSNV PG College Managing Committee Lucknow for donating books and other geological materials worth more than 8 Lacs (Rs. Eight lacs) to Geology Department (July 2022).

**Academic and other Departmental activities may be seen on Facebook page :  
Geological Association BSNV PG College, Lucknow.**

**Prof, (Dr) Sanjay Shukla**