

**Name:** Subrata Ghosh

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**Qualification:** BSc (Hons.) (Presidency College, Calcutta);  
MSc (University of Calcutta);  
MPhil (University of Edinburgh, Scotland, UK)

**Designation:** Associate Professor of Geology

**Teaching Experience (in years):** UG: 15 Years PG: 13.5 Years

**Research Experience (in years):** Over 07 years

**Date of Joining in Present Institution:** 22 May, 2014

**Institutions/Companies Previously Served:**

Name of Institution/Company	Designation	Tenure	
		From (DD-MM-YYYY)	To (DD-MM-YYYY)
Durgapur Government College	Lecturer / Sr. Lecturer in Geology (WBES)	28.08.1995	31.03.2003
DPI Office, Bikash Bhavan, Kolkata	Deputy / Joint DPI (WBES)	01.04.2003	31.05.2010
Govt. College of Engg. & Ceramic Technology, Kolkata	Associate Professor of Geology (WBES)	01.06.2010	28.09.2011
W.B. State Council of Higher Education, Kolkata	Member-Secretary (on deputation)	28.09.2011	08.04.2013
DPI Office, Bikash Bhavan, Kolkata	Associate Professor of Geology (WBES)	08.04.2013	10.04.2013
Rabindra Bharati University, Kolkata	Registrar (on lien)	11.04.2013	21.05.2014
Durgapur Government College	Associate Professor of Geology (WBES)	22.05.2014	Continuing

**Special examinations cleared:** NET-CSIR & NET-UGC

**Specialization/Research Interest:** Structural Geology and Himalayan Tectonics

## Awards & Recognitions

1.	Overseas Research Student (ORS) Award, 1987, 1988 & 1989. Committee of Vice-Chancellors and Principals (CVCP), UK, London.
2.	State Scholarship in Geology, 1985-1986. Govt. of West Bengal, India.
3.	ONGC Research Fellowship, 1985. Indian School of Mines, Dhanbad.
4.	Proficiency Award for Young Earth Scientist, 1985. Indian Society of Earth Sciences, Calcutta.
5.	Junior Research Fellowship, 1984. (UGC – NET) University Grants Commission (UGC), India
6.	Junior Research Fellowship, 1984. (CSIR – NET) Council of Scientific and Industrial Research
7.	Dr. J. Coggin Brown Memorial Prize, 1982. Mining, Geol. & Metallurg. Institute of India
8.	Jubilee Post graduate Merit Prize, 1981. University of Calcutta
9.	Geosyn Medal, 1979. Geological Institute, Presidency College, Calcutta
10.	Indian National Scholarship, 1981-83. Ministry of Education, Govt. of India (Qualified for)
11.	Indian National Scholarship, 1974-76. Ministry of Education, Govt. of India, New Delhi
12.	‘Best Male ANO i.e. NCC Company Commander of the Year in West Bengal & Sikkim’ Award given by the West Bengal and Sikkim NCC Directorate, Kolkata, in 2001. The then Higher Education Minister of Govt. of West Bengal (Prof. Satyasadhan Chakraborty) handed over the award during NCC Day Programme held at Brigade Parade Ground, Kolkata, on 25
13.	‘Plaque of Appreciation’ received for co-chairing the technical session on Himalayan Tectonics at the Golden Jubilee National Conference of the Wadia Institute of Himalayan Geology (WIHG), Dehradun, held during 16-18 May, 2018.

## Courses taught

	<b>B.Sc. Honours in Geology</b>	<b>M.Sc. in Applied Geology</b>
<b>Semester-I</b>		Structural Geology (Theory & Practical)
<b>Semester-II</b>	Structural Geology (Theory & Practical)	Precambrian Stratigraphy & Field Geology
<b>Semester-III</b>		
<b>Semester-IV</b>		Engineering Geology & Supervision of Dissertation-work
<b>Semester-V</b>		
<b>Semester-VI</b>	Engineering Geology (Theory & Practical)	

## Online Mode of Teaching

Particularly during the Covid-19 lockdown, various remote teaching methods have been effectively used: teleconferencing, video conferencing, Group WhatsApp, group e-mailing as well as one-to-one communication through all these modes. Viva-voce examinations were conducted through Skype.

## Publications

### Journals:

1. **S. Ghosh (2019)**, Multiple stages in the MCT-emplacement and pre-Himalayan tectonometamorphic imprints in the MCT-sheet, deciphered from Alaknanda valley section, Joshimath area, Garhwal Himalaya, India. *Himalayan Geology*, 40(2), 149-168.
2. **S. Ghosh (2017)**, Geosciences and our country: a few proposals on the road ahead. *Manan* (ISSN: 2348-3849), 14(1 & 2), 209-215.
3. **S. Ghosh (2001)**, Inverted metamorphism in the Higher Himalaya. *Bulletin of the Indian Geologists' Association*, Chandigarh. 34(1 & 2) (Special Volume), 95-104.
4. **S. Ghosh (1984)**, Antarctic Expeditions: the major frontiers for Indian geoscientists. (Review Article in Bengali) *Bhu-Vidya* (Journal of the Geological Institute, Presidency College, Calcutta), Vol. 41, pp.26- 29.
5. **S. Ghosh & N.K. Sarkar(1983)**, Turbidity currents and resultant sedimentation. (Review Article in Bengali) *Bhu-Vidya* (Journal of the Geological institute, Presidency College, Calcutta), 40, 13-19.
6. **1980**. Off-shore oil exploration and India. (Review Article in Bengali) *Bhu-Vidya* (Journal of the Geological Institute, Presidency College, Calcutta), Vol. 37, pp.5-8.
7. **1979**. Bababudan Hills: an important prospect in Indian perspective. (An award-winning article written in Bengali) *Bhu-Vidya*(Journal of the Geological Institute, Presidency College, Calcutta), Vol. 36, pp.11-15.

### Book (i.e. Edited Compilation Volume):

1. G.N. Saha, A.K. Mitra, P. Chakrabarti, S. Bhadury & **S. Ghosh** (Editors) (2008): Science and Technology for Sustained Progress and Survival. Institute of Social Studies, Kolkata. 272p.

### Book Chapters:

1. **S. Ghosh (2008)**, The context and rationale behind organising the Kolkata Science & Technology Fair - 2008. (Article written in Bengali) In the bilingual compilation volume 'Science & Technology for Sustained Progress and Survival' (Editors: G.N. Saha et al.). Institute of Social Studies, Kolkata, pp. 37-42.

### Conference Proceedings:

1. **S. Ghosh, G.K. Basu & N. Sarkar (2004)**, River Linking: A Potential Boon for the Indian Sub-continent. Paper published in pre-conference Proceedings of the International Conference held in Dhaka (Bangladesh) on 17-19 December, 2004, titled 'Regional Cooperation on Transboundary Rivers: Impact of the Indian River-linking Project' (Editors: M.F. Ahmed, Q.K. Ahmad & M. Khalequzzaman). 540p. pp. 306-321.
2. **S. Ghosh & Susmita Ghosh (2003)**, Land degradation due to indiscriminate 'murrum' extraction around Durgapur town, West Bengal. Published in post-conference Proceedings

titled 'Land degradation and desertification' (Editor: V.C. Jha). Rawat Publications, New Delhi. 405p. pp.255-267.

### Guidance of M.Sc. Dissertation Projects

1. **Debika Adhikary** (2019-2020, *Durgapur Government College*), The prominent controversies and unresolved questions concerning the Higher Himalayan Crystalline Unit (HHCU) and its upper and lower boundaries: A concise review.
2. **Mandira Rakshit** (2015-2016, *Durgapur Government College*), A geological traverse across the Main Central Thrust Zone (MCT-Zone) from the Higher Himalaya to the Lesser Himalaya in the Joshimath – Helang – Gulabkoti sector of the Garhwal Himalaya, Uttarakhand, India.
3. **Souvik Banerjee** (2001-2002, *Durgapur Government College*), The MCT-Zone in the Pindar River Section, Higher Kumaun Himalaya: Nature of deformation and broad metamorphic attributes.
4. **Goutam Kumar Das** (1997-1998, *Durgapur Government College*), On the upper boundary of the Main Central Thrust Zone (MCT-Z) in the Goriganga Section, Munsiri Area, Pithoragarh District (U.P. Himalaya).
5. **Shyam Sundar Banerjee** (1997-1998, *Durgapur Government College*), On the Lower Boundary of the Main Central Thrust Zone in the Munsiri Area, Pithoragarh District, Higher Kumaun Himalaya, U.P.

### Invited Talks/Lectures

1. An invited talk in All India Radio (Kolkata – A, *Jaana-Ajanaa*) on “The importance of maps and map-reading skills in people for our society”, probably in April, 2005.
2. An invited talk on “Surface Water Resources in South Bengal” at a state level workshop organised by The Young Explorers’ Institute for Social Service (TYEISS) at BD Auditorium, Salt Lake, on 10 December, 2000.
3. An invited science popularisation lecture on “Usefulness of maps in our day-to-day life” at Bardhaman Science Centre as a part of celebration of World Earth Day, 22 April, 2000.
4. A Lecture-cum-Demonstration on “Map Reading Skills”, organised by Durgapur Mountaineers’ Association at their premises on 03 January, 1999.

### Paper/Poster presentations in seminar/conference/symposium/workshop/discussion meeting

1. (S. Ghosh) 2020. (Paper Abstract) On the pattern of evolution of the Himalayan mountain belt since collision. Accepted for oral presentation, in the 36<sup>th</sup> International Geological Congress, New Delhi, to be held during 09-14 November (after postponement due to Covid-19 Pandemic from the original schedule of 02-08 February).
2. (S. Ghosh) 2020. (Poster Abstract) An humble contribution towards resolving the controversies on Himalayan MCT. Accepted for presentation in e-poster format, in the 36<sup>th</sup> International Geological Congress, New Delhi, to be held during 09-14 November (after postponement due to Covid-19 Pandemic from the original schedule of 02-08 February).

3. (S. Ghosh) 2018d. (Paper Abstract) Ideas on uniform improvement in the teaching of Structural Geology across India. In, Abstract volume of RDS – V National Conference on ‘Rock Deformation and Structures’ held at the Department of Geology, University of Delhi, New Delhi, 4-6 October, last page.
4. (S. Ghosh) 2018c. (Poster Abstract) On the need for revisiting the boundary between the Central Crystalline Domain and the Tethyan Sedimentary Domain in the collisional Higher Himalayan Belt. In, Abstract volume of RDS – V National Conference on Rock Deformation and Structures held at the Department of Geology, University of Delhi, New Delhi, 4-6 October, p.28.
5. (S. Ghosh) 2018b. (Paper Abstract) Recognition of multiple stages in MCT-emplacement and of certain imprints of pre-Himalayan tectonometamorphic episodes from the rock sequence across the MCT-Zone in the Alaknanda Valley, Higher Garhwal Himalaya. In, Abstract volume of the Golden Jubilee National Conference on ‘Earth System Science with special reference to Himalaya: advancement and challenges’ held at the Wadia Institute of Himalayan Geology, Dehradun, 16-18 May, p.12.
6. (S. Ghosh) 2018a. (Poster Abstract) Observations on the relation between Central Crystallines and Tethyan Sediments from the Malari – Laphthal traverse and highlighting a few geological aspects of the Laphthal area. In, Abstract volume of the WIHG Golden Jubilee National Conference on ‘Earth System Science with special reference to Himalaya: advancement and challenges’ held at the Wadia Institute of Himalayan Geology, Dehradun, 16-18 May, p.11.
7. (S. Ghosh) 2016b. (With Rakshit, M. & Laik, A.) (Extended Paper Abstract) Insights into MCT-emplacement from the Alaknanda Valley Section, Garhwal Himalaya. In, Seminar Abstract Volume for the International Seminar on ‘Developments in Geosciences in the past decade – Emerging Trends for the Future & Impact on Society’ and Annual General Meeting of the Geological Society of India, held at IIT, Kharagpur, 21-23 October, pp.216-219.
8. (S. Ghosh) 2016a. (Extended Poster Abstract) Some new observations on relation between Central Crystallines and Tethyan Sediments from the Malari – Laphthal traverse, Garhwal Himalaya. In, Abstract volume for the International Seminar on ‘Developments in Geosciences in the past decade – Emerging Trends for the Future & Impact on Society’ and Annual General Meeting of the Geological Society of India, held at IIT, Kharagpur, 21-23 October, pp.210-211.
9. (S. Ghosh) 2008. (Paper Abstract in Bengali) Geology of the Himalayas: the Immediate Task ahead. In, Abstract Volume of the 15<sup>th</sup>W. Bengal State Science & Technology Congress, Kolkata. 28-29 February.
10. (S. Ghosh) 2006. (Paper Abstract in Bengali) LSDI – NSDI – GSDI and e-Governance : As I see them. In, Abstract Volume of the 13<sup>th</sup>W. Bengal State Science & Technology Congress, Kolkata. 28-29 February.
11. (S. Ghosh) 2004. (Paper Abstract in Bengali) Maps, map-reading skills and their usefulness in modern society. In, Abstract Volume of the 11<sup>th</sup>W. Bengal State Science & Technology Congress, Kolkata. 28-29 February.

12. (S. Ghosh) 2001c. (Poster Abstract) Geological Traverse Mapping across the Main Central Thrust Zone along the Alaknanda, Goriganga and Darmaganga river sections in the Higher Garhwal-Kumaun Himalayas. In, Abstract Volume of the National Seminar on 'Contributions to Himalayan Geology' at the Wadia Institute of Himalayan Geology, Dehra Dun. 22-25 October, pp.39-40.
13. (S. Ghosh) 2001b. (Paper Abstract) Insights into the evolution of the Main Central Thrust Zone from Joshimath area, Alaknanda section, Higher Garhwal Himalaya. In, Abstract Volume of the National Seminar on 'Contributions to Himalayan Geology' at the Wadia Institute of Himalayan Geology, Dehra Dun. 22- 25 October, pp.38-39.
14. (S. Ghosh) 2001a. (with Susmita Ghosh) (Paper Abstract) Land degradation due to indiscriminate 'murrum' extraction around Durgapur town, West Bengal. In, Abstract Volume of the 22<sup>nd</sup> IIG & IGU International Conference at Visva Bharati, Santiniketan. 9-11 January.
15. (S. Ghosh) 2000b. (Extended Paper Abstract) MCT and the Higher Himalayan inverted metamorphism. In, Publication of the Centre of Advanced Study in Geology, Panjab University, Chandigarh. Vol.7 (New Series), pp. 9-10.
16. (S. Ghosh) 2000a. (With Das, G.K. & Banerjee, S.S.) (Extended Paper Abstract) Certain tectonometamorphic observations across the MCT-Zone, Higher Kumaun Himalaya. Abstract volume published as Publication of the Centre for Advanced Studies in Geology, Punjab University, Chandigarh, 7 (New Series), pp.7-8.
17. (S. Ghosh) 1991b. (With Dixon J.E. & Johnson, M.R.W.) (Poster Abstract) Two traverses across the Main Central Thrust Zone in the Central Himalayas, India. Abstract volume of the Annual Meeting of the Tectonic Studies Group (TSG) of the Geological Society of London, held at Heriot Watt University, Edinburgh. 15-17 December, p.67.
18. (S. Ghosh) 1991a. (Paper Abstract) Some speculative ideas on the deformational and movement behavior in the collisional plate boundary zones: The Indian Himalayas. Abstract volume of the Tethyan Workshop held at the Department of Geology & Geophysics, University of Edinburgh, Scotland, U.K., 25-26 April, p.41.
19. (S. Ghosh) 1989. (With Johnson, M.R.W.) (Extended Paper Abstract) The Main Central Thrust of the Himalayas: some tectonometamorphic observations from the Garhwal - Kumaun region, Central Himalayas. Abstract volume of the International Symposium on Structure and Dynamics of the Indian Lithosphere held at NGRI, Hyderabad. 1-3 February, pp.80-82.
20. (S. Ghosh) 1988. (Paper Abstract) The Main Central Thrust of the Himalayas: some results from field-studies around Joshimath, Garhwal Himalaya, India. Abstract volume of the Annual Meeting of the Tectonic Studies Group (TSG) of the Geological Society of London, held at the University of Cambridge, U.K., p.16.]

## Participation in faculty development programmes

1. Attended the 28<sup>th</sup> Orientation Programme organised by the Academic Staff College of the University of Burdwan from 26 October to 22 November, 1999.
2. Attended the 4<sup>th</sup> Refresher Course in Environmental Science organised by the Academic Staff College of the University of Burdwan from 06 June to 26 June, 2001.
3. Attended a training programme on 'Financial Management' at ATI, Salt Lake. 19-23 July, 2004
4. Attended a 2-weeks' Faculty Development Programme organised by the Enterprise Development Institute, Kolkata (promoted by BNCCI and Govt. of W. Bengal). 13-24 September, 2010.
5. Attended the 'Train the Trainer' Workshop on Soft Skill Development organised by INFOSYS at their Bhubaneswar Centre. 04-06 July, 2011.
6. Attended the one-day Eastern Regional Workshop on 'Competition Act - 2002' organised by the National Productivity Council, India, at Puri, Odisha. 14 January, 2014.

## Organization of events (at or outside Durgapur Government College)

Organised the national-level **Science & Technology Fair** under the aegis of Institute of Social Studies (ISS), Kolkata, at the Salt Lake Central Park from 12<sup>th</sup> to 20<sup>th</sup> April, 2008 (*As the Joint Secretary of the Organising Committee*).

## Participation in committees of Durgapur Government College since 2017

1. Joint Convener, Anti-Ragging Committee of Durgapur Govt. College, 2017-18, 2018-19.
2. Member, Anti-Ragging Cell of Durgapur Govt. College, 2019-20
3. Member, College Web-site Updating Committee, 2019-20
4. Coordinator, KNU Backlog Examination Committee of Durgapur Govt. College, 2019-20

## Membership in Academic or Professional Bodies

1. Life Member, Mining, Geological & Metallurgical Institute of India (MGMI), Kolkata
2. Life Fellow, Geological, Mining & Metallurgical Society of India (GMMSI), Kolkata
3. Member, Association for the Culture of Earth Sciences (ACES), Durgapur
4. Associate Member, Geological Institute, Presidency University, Kolkata
5. Member, Life-time Subscribers' Group for 'Himalayan Geology', Wadia Inst. of Him. Geol., Dehradun
6. Life Member, Indian Society of Remote Sensing, Dehradun (Kolkata Chapter)
7. Life Member, Bangiya Bijnan Parishad, Kolkata
8. Life Member, Ramakrishna Mission Institute of Culture, Gol Park, Kolkata
9. Life Member, Presidency Alumni Association (PAA), Kolkata.
10. Life Member, Presidency Ex-Students' Association (PESA), Salt Lake, Kolkata
11. Member, Indian Institute of Ceramics, Kolkata
12. Member, The Young Explorers' Institute for Social Service (TYEISS), Kolkata.