Detailed Bio-data of Dr. Bapi Goswami

A. Name, Address etc.

1. Name: Dr. Bapi Goswami
2. Address: 16 Haltu Main Road; Kolkata 700078
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5. Institution: University of Calcutta
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   Road, Kolkata - 700019
6. Whether SC/ST: No

B. Academic Qualifications

Exam Passed	Board / University	Subjects	Year	Division/ Class
Research Degree				
Ph.D. (Science)	University of Calcutta	Geology	2007	
M. Phil. (Environmental Sciences)	University of Calcutta	Environmental Sciences	1993	1st Class (Rank: 3rd)
M. Sc. (Geology)	University of Calcutta	Geology	1992	1st Class (Rank 4th)
B. Sc. (Hons.)	University of Calcutta (Presidency College)	Geology (Hons.), Physics, Chemistry (pass), Beng. (Comp. Addl.)	1990	1st Class (Rank 2nd, missed 1st rank for 1 mark)
H. S. or Equivalent	West Bengal Council of Higher Secondary Education	Bengali, English, Physics, Chemistry, Mathematics, Biology (4th subject)	1987	1st Division
S. F. or Equivalent	West Bengal Board of Secondary Education	Bengali, English, History, Geography, Mathematics, Physical Science, Life Science, Work & Physical Education, Mechanics (Additional)	1985	1st Division

Thesis Title

Research Stage	Title of the work / Thesis	University
i) Ph.D	Petrology and Geochemistry of the Precambrian Rocks of Cheliyama – Raghunathpur – Santuri area, Puruliya district, West Bengal.	University of Calcutta
ii) M. Phil.	Studies on Impact of Environment on Silicosis	University of Calcutta

(ii) Professional Experience:

Name of the Organisation	Position held	From	To
Calcutta University	Head of the Department	1.04.2013	31.03.2015
Calcutta University	Associate Professor	29.04.2011	Till Date
Calcutta University	Reader	16.09.2008	28.04.2011
J.K. College, Purulia	Head of the Department	01.11.2006	15.09.2008
J.K. College, Purulia	Reader	28.04.2008	15.09.2008
J.K. College, Purulia	Sr. Lecturer	28.04.2004	27.04.2008
J.K. College, Purulia	Lecturer	28.04.1999	27.04.2004
Geological Survey of India	Junior Geologist (Central Group-A Service Gazetted)	17.12.1997	22.04.1999
West Bengal (Executive) Civil Service	Dy. Magistrate & Dy. Collector	01.09.1995	16.12.1997

(iii) Field of Specialization: Petrology, Geochemistry, Tectonics.

(iv) Honours/Awards

1. National Scholarship for Higher Secondary Examination 1987.
2. Chandranath Maitra Medal (1989) for securing Highest Marks in Geology Part-1 Examination in Presidency College, Kolkata
3. Junior Research Fellowship of CSIR in 1992.

(v) Membership in Scientific bodies

Life Member, The Geological Mining and Metallurgical Society of India

C. Publication List

(i) Published Papers

1. Das, S., **Goswami, B.**, Basak, A. and Bhattacharyya, C. (2020): A Grenvillian magmatic almandine garnet-bearing ferroan granite intrusion in the Chhotanagpur Gneissic complex, Eastern India: Petrology, petrochemistry, petrogenesis and geodynamic implications. Lithos, v. 376–377, 105749. https://doi.org/10.1016/j.lithos.2020.105749
2. Roy P, Goswami B, Dutta S, and Bhattacharyya C. (2020): Petrogenesis of the

postcollisional porphyritic granitoids from Jhalida, Chhotanagpur Gneissic Complex, eastern India. Geological Magazine. https://doi.org/10.1017/S0016756820000710

3. Basak, A., and **Goswami, B.** (2020): The physico-chemical conditions of crystallization of the Grenvillian arfvedsonite granite of Dimra Pahar, Hazaribagh, India: constraints on possible source regions. Mineralogy and Petrology, v. 114, 329–356. https://doi.org/10.1007/s00710-020-00708-w
4. Das, S., **Goswami, B.** and Bhattacharyya, C. (2019): Physico-chemical conditions of crystallization and composition of source magma of the Grenvillian post-collisional mafic–ultramafic rocks in the Chhotanagpur Gneissic Complex, Eastern India. Journal of Earth System Science, v. 129, 89. https://doi.org/10.1007/s12040-019-1313-4
5. Basak, A., **Goswami, B.**, Sinha, A., Das, S. and Bhattacharyya, C. (2019): Magmatic epidote in the Grenvillian granitoids of North Purulia Shear Zone, Chhotanagpur Gneissic Complex and its significance. Current Science, v. 117(2), 298-303. doi:10.18520/cs/v117/i2/298-303
6. **Goswami, B.**, Roy, P., Basak, A., Das, S., and Bhattacharyya, C. (2018): Physico-Chemical conditions of four calc-alkaline granitoid plutons of Chhotanagpur Gneissic Complex, Eastern India: Tectonic implications. Journal of Earth System Science, v. 127(8). DOI: 10.1007/s12040- 018-1022-4
7. Purkait, B., **Goswami, B.** and Das Majumdar, D. (2016): The Holocene climate and its impact on marginal seas in Indian Territory: Inferences from seabed sediment off coastal Orissa, Bay of Bengal. Journal of Coastal Sciences, v. 3, p.15-25. ISSN: 2348 – 6740
8. **Goswami, B.** and Bhattacharyya, C. (2014): Petrogenesis of Shoshonitic Raghunathpur porphyritic granitoids, Chhotanagpur Gneissic Complex, Eastern India: Implications for the Late Grenvillian post-collisional magmatism. Geoscience Frontiers., v.5(6) p.821-843. DOI.10.1016/j.gsf.2013.09.003
9. Ghosh, D. and **Goswami, B.** (2014): Grain-size distribution of Beach and Dune sediments of the Digha Beach: Implications for Beach nourishments. Journal of the Centre for creative Learning and Research, v. 4, 5-21. ISSN 2278-5493.
10. Ghosh, S., Das, R. and **Goswami, B.** (2013): Developing GIS-based techniques for application of knowledge and data-driven methods of landslide susceptibility mapping. Indian Journal of Geosciences, v. 67(3), 249-272.
11. Goswami, Bapi and Basu, Swades Kumar (2013): Metamorphism of Proterozoic agpaitic nepheline syenite gneiss from North Singhbhum Mobile Belt, eastern India. Mineralogy and Petrology (Springer-Published online in November, 2012), v. 107, p.517–538. DOI 10.1007/s00710-012-0243-5
12. Kundu, A., **Goswami, B**., Eriksson, Patrick G., and Chakraborty, A. (2011): Palaeoseismicity in relation to basin tectonics as revealed from soft-sediment deformation structures of the Lower Triassic Panchet formation, Raniganj basin (Damodar valley), eastern India. Journal Earth System Science, v. 120(1), p. 167–181 (Springer-Indian Academy of Sciences).
13. **Goswami, B.** and Ghosh, D. (2011): Understanding the transportational and depositional setting of Panchet Formation, Purulia and Bankura districts of West Bengal, India — Evidence from grain size analysis. Frontiers of Earth Science, 5(2), p 138–149 (Springer). DOI 10.1007/s11707-011-0169-y
14. **Goswami, B.** and Bhattacharyya, C (2008) (published in 2010): Tectonothermal evolution of Chhotanagpur Granite Gneiss Complex from northeastern part of Puruliya district West Bengal, Eastern India. Indian Journal of Geology, v. 80 (1-4), p.41-54.
15. **Goswami, B.** and Bhattacharyya, C (2009): Discussion on "Petrology of mafic-ultramafic rocks along North Purulia Shear Zone, West Bengal" by Aditi Mandal and

Arijit Ray. Jour. Geol. Soc. India, v. 74, 2009; p.108-118."Journal Geolgical Society of India, v.74, p.533-534.

16. Bhattacharyya, C. and **Goswami, B.** (2009): Discussion on the paper "On charnockites" published in Gondwana Research, v. 13, p.30–44 (2008) by B.Ronald Frost and Carol D. Frost; Gondwana Research, v. 15, p.216–217.
17. Kundu, A. and **Goswami, B.** (2008): A note on seismic evidences during the sedimentation of Panchet Formation, Damodor Basin, Eastern India: Banspetali Nullah revisited. Journal of the Geological Society of India, v. 72, p. 400-404.
18. **Goswami, B.** and Bhattacharyya, C. (2008): Metamorphism of Nepheline Syenite Gneisses from Chhotanagpur Granite Gneiss Complex, Northeastern Puruliya district, Eastern India, Journal of the Geological Society of India, v.71, p. 209-213.
19. Mandal, A., **Goswami, B.**, Mukherjee, S., Das, S., Bhattacharyya, I. and Bhattacharyya, C. (2007): Mantle metasomatism of Ultramafic intrusives in Chhotanagpur Granite Gneiss Complex, Puruliya district, West Bengal, Eastern India: Evidence from trace element and REE geochemistry. In: Igneous Petrology: 21st Century Perspective, eds. J. Ray and C. Bhattacharyya, Allied Publishers Pvt. Ltd., p. 122-142.

(ii) Published Abstracts

1. Roy, P. and **Goswami, B.** (2018) Petrology and geochemistry of the basic granulites from dumka, dumka district, jharkhand, india: signature of arc and within-plate magmatism. National Conference on Advances in Mantle Petrology, 2018 at Banaras Hindu University, Varanasi, Uttar Pradesh
2. Das, S., **Goswami, B.** and Bhattacharyya, C. (2018) Petrogenesis of the post-collisional mafic– ultramafic rocks in the Chhotanagpur Gneissic Complex, Eastern India. National conference on advances in mantle petrology. Centre of Advanced Studies in Geology, Institute of Science, Benras Hindu University, Varanasi, India
3. Roy, P. and **Goswami, B.** (2018) Geochemistry of the high-K, calc-alkaline Porphyritic granitoids from western Purulia, West Bengal: Evidence of collisional magmatism in Chhotanagpur Gneissic Complex. Geo-Symposium, March 2018. Centre of Advanced Studies in Geology, Jadavpur University, Kolkata, West Bengal, India
4. Roy, P., **Goswami, B.** and Nanda, J. (2018) Petrology and Thermobarometry of Precambrian Post- Collisional Granitoids from Bela, Jehanabad District, Bihar, India. National Seminar on Dynamics of Surface & Subsurface Geological Processes, February 8-9, 2018 Department of Earth Sciences, Pondicherry University, Puducherry–605014.
5. Basak, A., **Goswami, B.** and Bhattacharyya, C. (2018)Petrology and Geochemistry of Mesoproterozoic post-collisional, high-K granitoids from the North Purulia Shear Zone, Eastern India: Signature of Adakitic magmatism. Conference: National Seminar On Dynamics of Surface and Subsurface Geological Processes, 2018At: Pondicherry Universit
6. Roy, P. and **Goswami, B.** Tale of four Plutons: Pressure, temperature and oxygen fugacity conditions of calc-alkaline granitoids of Chhotanagpur Gneissic Complex, eastern India. Conference: 2nd National Geo-Research Scholars Meet, 2017 at Wadia Institute of Himalayan Geology, Dehra Dun.
7. **Goswami, B.**, Roy, P., Ghosal, A., Nanda, J., Basak, A. and Bhattacharyya, C. (2017) Petrogenetic evolution of the Mesoproterozoic garnet-bearing granitoidsof Dumka, Eastern India: Implication of garnet and biotite composition. American Geophysical

Union, Fall Meeting At: New Orleans, Ernest N. Morial Convention Center, Louisiana, USA.

8. **Goswami, B.**, Bhattcharyya, C., Basak, A., Mukherjee, G., Emproto, C., Tripathi, S., (2015) Petrography and geochemistry of aegirine –arfvedsonite bearing granite gneiss from Dimra Pahar, Hazaribagh district, Jharkhand, Eastern India: Implication for petrogenetic evolution. International Conference on Recent Research Development in Environment, Social Sciences and Environment. University of Delhi, Conference Centre, 27th September, 2015, ISBN: 978-81-931039-8-2.
9. **Goswami, B.**, Dutta, S., Maity, A., Ahmed, C.A., Chakraborty, A. and Purkait, B. (2014) Geochemical Constraints on the Provenance, Mineral Sorting and Subaerial Weathering of Paleoproterozoic Clastic Rocks of the Alwar Basin, North Delhi Fold Belt, NE Rajasthan. DST-PURSE sponsored National Seminar on Crustal Evolution and Metallogenesis in the Indian Shield. P.7
10. Chakraborty, A., **Goswami, B.**, Chaki Ray, L., Neogi, S, Saha, S and Purkait, B (2014) Facies types and depositional environment in parts of the Alwar basin, North Delhi Fold Belt, NE Rajasthan. DST-PURSE sponsored National Seminar on Crustal Evolution and Metallogenesis in the Indian Shield., p.2
11. Bhattacharyya, C., Dutta, S., **Goswami, B.**, Dasgupta, S., Miandad Ali, S.J., and Chatterjee, D. (2014) Petrology and geochemistry of Charnockitic rock of Saltora, Bankura district, West Bengal, Eastern India. DST-PURSE sponsored National Seminar on Crustal Evolution and Metallogenesis in the Indian Shield. P.17.
12. **Goswami, B.**, Goswami, C., Chatterjee, A. and Purkait, B. (2011) Grain size chacteristics of alluvial fan and fluvial sediments in two different geomorphic set-ups, India. 7th International Conference on Asian Marine Geology - Session XI, NIO, Goa.
13. Ghosh, D., **Goswami, B.** and Kundu, A. (2010) Understanding the depositional setting and provenance of Panchet and Raniganj Formations, Purulia and Bankura districts, West Bengal – from grain size and modal analysis. Abst. Vol. International conference in celebration of 90th birth anniversary of Professor C.R. Rao, 10 – 11 January, 2010, Kolkata, p.6.
14. **Goswami, B.** and Bhattacharyya, C. (2010) Late-orogenic granitic magmatism from Chhotanagpur Granite Gneiss Complex, Northeastern Puruliya, West Bengal. Final Report on the IGCP-510 "Global Correlation of A-type Granites and Related Rocks, their Mineralization and Significance in Lithospheric Evolution", conducted in India during 2005-09, Sarvothaman, H. and Sesha Sai, V.V. (eds.) p.53-54.
15. **Goswami, B.** and Bhattacharyya, C. (2008): Petrology and Geochemistry of Late-Tectonic Raghunathpur porphyritic granitoid batholith of Chhotanagpur Granite Gneiss Complex from the northeastern part of Puruliya district, West Bengal: Evidences of Mantle Input. Abst. In the Seminar on "Plume Signature in Geological History" held on 8th Jan., 2008 at the Dept of Geol, University of Calcutta, p.14.
16. **Goswami, B.** and Bhattacharyya, C. (2008): Tectonothermal evolution of Chhotanagpur Granite Gneiss Complex from Northeastern part of Purulia District, West Bengal, Eastern India. Abst. Vol. Int. Conference on Geology, Indian Scenario and Global Context. 7-11 Jan., 2008. Geol. Studies Unit, ISI, Kolkata, p.45.
17. **Goswami, B.** and Bhattacharyya, C. (2006): Metamorphic Evolution of Chhotanagpur Granite Gneiss Complex from Northeastern part of Purulia District, West Bengal, Eastern India. Abst. In the Seminar on "Active and Fossil Suture Zones", held on 22-23 Nov., 2006, at WIHG, Dehradun, p.133-134.

18. **Goswami, B.** and Bhattacharyya, C. (2006): Structural Evolution of Chhotanagpur Granite Gneiss Complex from Northeastern part of Purulia District, West Bengal, Eastern India. Abst. In the Seminar on "Active and Fossil Suture Zones", held on 22-23 Nov., 2006, at WIHG, Dehradun, p.133-134.
19. **Goswami, B.** and Bhattacharyya, C. (2005): Ultramafic intrusives in Northern part of Puruliya district, West Bengal, Eastern India. Abst. In the Seminar on "Igneous Petrology: 21st Century Perspective" held on 18th Feb., 2005 at the Dept of Geol, University of Calcutta, p.14.
20. **Goswami, B.** and Bhattacharyya, C. (2000): Role of Environment in case of Silicosis-Affected People of Jhargram. Abstracts of papers. VIIth West Bengal State Science & Technological Congress, 2000, p. SOC-ENV 22.
21. Kisku, S.R., Kishore, M., **Goswami, B.**, Ahmed, M.F. and Chaudhuri, B.K. (1998): Gold Mineralisation in Kunderkocha – Rajnagar Schist Belt, East Singhbhum District, Bihar. Abs. Nat. Sem. Geosc. Adv. Bihar, 1998, p.43.

D. Patent List (if any): Nil

E. List of Projects Implemented

(i) Ongoing Research Projects:

Title of the project	Name of the funding agency	Duration	Remarks
Lithostructural and Petrological evolution of the north-eastern part of NFB, specially around the intersection junction of the Rudravaram Trust and Venikonba thrust, Palnad sub-basin and its surrounding areas, A.P	Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), Govt. of India, No. 36(5)/14/51/2015-BRNS with NRFCC, BRNS dated 31.03.2016	3 years	Principal Investigator
A comparative study on the tectonothermal history of the Chhotanagpur Gneissic Complex and evolution of the granitoid rocks from two selected sectors of Saltora-Santuri and Dumka in Eastern India	DST-Women Scientist Scheme-A, Govt. of India, SR/WOS-A/EA-47/2018 (G) dated 06.05.2019	3 years	Mentor of P.I. Poulami Roy
Petrographic, mineralogic and geochemical proxies for significant climate change in the Permo-Triassic transition of the Pranhita-Godavari basin, south-central India	DST-Women Scientist Scheme-A, Govt. of India, SR/WOS-A/EA-35/2019 dated 31.3.2020	3 years	Mentor of P.I. Dr. Sampa Ghosh
Petrological studies of Precambrian alkaline suite of rocks from parts of the North Purulia Shear Zone, Eastern Indian Shield: Implication for tectonomagmatic evolution	DST-Women Scientist Scheme-A, Govt. of India, SR/WOS-A/EA-23/2019 (G) dated 28.05.2020	3 years	Mentor of P.I. Ankita Basak

(iii) Completed Research Projects:

Title of the project	Name of the funding agency	Duration	Remarks
Petrological, mineralogical and geochemical studies of Precambrian alkaline suite of rocks from North Purulia Shear Zone, Eastern Indian shield: Implication for tectonomagmatic evolution and REE metallogeny	SERB, DST, Govt. of India, No. SB/S4/ES-708/2014 dated 08.10.2014	3 years	Successfully Completed
Tectonothermal History of the Chhotanagpur Gneissic Complex and Evolution of the Granitoid Rocks	UGC, Govt. of India, Major Research Project, F. No.–43-367/2014 (SR) dated 9 September, 2015	3 years	Successfully Completed
Petrology and Geochemistry of the Precambrian Rocks of Cheliyama-Raghunathpur-Santuri area, Puruliya district, West Bengal.	UGC Minor Research Project No. F PSW-037/99-00 (ERO)	28.02.2000 to 27.02.2002	Successfully Completed. Data used in Ph.D. dissertation.
Petrology of the rocks of Belpahari–Jhargram area, Midnapur district, West Bengal, with special reference to impact of environmental geochemistry on human health.	CSIR sponsored Individual Project No. 9/29(364)93/ EMR-1 dt. 8.6.1993)	15.06.1993 to 31.08.1995	Completed successfully and the data used in M. Phil. dissertation

Declaration

I hereby **declare** that the information furnished above is true to the best of my knowledge.

(Dr. Bapi Goswami)
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