

Dr. PINAKI ROY

Contact: 8420455201

Qualification: M.Sc., Ph.D.

Designation: Assistant Professor

Teaching Experience (in years): UG: 10 yrs. PG: 10 yrs.

Research Experience (in years): 19 yrs.

Date of Joining Present Institution: 05.05.2010

Institutions/Companies Previously Served:



Name of Institution/Company	Designation	Tenure	
		From (DD-MM-YYYY)	To (DD-MM-YYYY)
Hindustan Construction Company Ltd.	Geologist	05.12.2005	30.04.2006
Hindustan National Glass Ltd.	Geologist	01.08.2007	31.07.2008
Saint-Gobain Ceramic Materials Bhutan Pvt. Ltd.	Geologist	01.08.2008	31.03.2010
Geological Survey of India	Geologist (Jr.)	01.04.2010	30.04.2010

Examinations cleared: NET-CSIR

Specialization/Research Interest: Invertebrate Palaeontology

Courses taught

	B.Sc Honours	M.Sc
Semester-I	Earth System Science	Palaeontology
Semester-II	----	Remote Sensing & GIS (Extra Departmental)
Semester-III	Palaeontology	---
Semester-IV	----	Remote Sensing & GIS
Semester-V	----	
Semester-VI	Engineering Geology; Remote Sensing & GIS	

Online Mode of Teaching

Team Link Platform

Journals:

1. **Pinaki Roy**, Sunipa Mandal (2020), Behavioural Ecology, Biogeography and Evolution of *Telescopium telescopium* (Linnaeus, 1758) from Chandipur-on-Sea, Odisha, India. *Research & Reviews: Journal of Ecology*, 8(3) 1-7.
2. Shiboram Banerjee, Arnab Banerjee, Debnath Palit, **Pinaki Roy** (2018), Assessment of vegetation under air pollution stress in urban industrial area for greenbelt development. *International Journal of Environmental Science and Technology*. DOI: : [10.1007/s13762-018-1963-9](https://doi.org/10.1007/s13762-018-1963-9)
3. **Pinaki Roy**, Pratik Mukherjee (2017), Corbulid (Bivalvia) species from the Palaeogene Mangrol Lignite Mine of Surat, Gujarat. *Journal of Geological Society of India*, 89, 315-320
4. **Pinaki Roy** (2014), Callovian-Oxfordian hecticeratins from western India: Their biostratigraphic and palaeobiogeographic implications. *Journal of Palaeogeography*, 3 (2) 174-206
5. Subhendu Bardhan, Sudipta K. Jana, **Pinaki Roy** (2010), Sexual dimorphism and polymorphism in a Callovian Phlycticeras (Ammonoidea) assemblage of Kutch, India, *Geobios*, 43 261-281.
6. **Pinaki Roy**, Subhendu Bardhan, Aparajita Mitra, Sudipta K. Jana. (2007), New Bathonian (Middle Jurassic) ammonite assemblage from Kutch, India, *Journal of Asian Earth Science*, 30, 629–651.
7. **Pinaki Roy**, Subhendu Bardhan, (2007) Sexual dimorphism in *Hecticoceras giganteum* spath (ammonoidea) from the Callovian (Middle Jurassic) of Kutch India *N. Jb. Geol. Paläont.* 245/3 263-272
8. Subhdip.Sur, Ranjita Konar, Pallab Das, **Pinaki Roy**, Subhendu Bardhan, (2006), Ecology of an endangered bivalve species *Meretrix meretrix* (Linnaeus): A case study from Chandipur-on-sea, Orissa, Indian, *Journal of Earth Sciences*, 33(1-4) 1-14
9. Sabyasachi Shome, **Pinaki Roy**, (2006), New record of *Pterolytoceras Spath*, 1927 from the Upper Jurassic (Late Tithonian) of Kutch, western India and its palaeobiogeographic significance, *Indian Minerals*, GSI 59 (1/2) 57-64
10. Sabyasachi Shome, Soma De, **Pinaki Roy**, Shiladri Das, (2004), Das Ammonites as Biological Stopwatch and Biogeographical Black Box - a Case Study from the Jurassic-Cretaceous Boundary (150 Ma) of Kutch, Gujarat, *Current Science* , 86(1) 197.

Books:

1. **Pinaki Roy** & Soumita Datta. (2017), A case study on burrowing bivalve genus *Maetra* from Chandipur, Odhisa, 52p. Lap Lambert Academic Publisher (ISBN: 978-620-2-05112-5).

Book Chapters:

1. Subhendu Bardhan, Sabyasachi Shome, **Pinaki Roy**, (2007), Paleobiogeography of Kutch ammonites during the Latest Jurassic (Tithonian) and a global Palaeobiogeographic overview *Cephalopod Present and Past: New Insight and Fresh Perspectives*. 375-395, Springer

Conference Proceedings:

1. **Pinaki Roy (2005)**, Biotic response during the initial drifting of India: a case study from the Bathonian ammonite assemblages of Kutch, Gujarat. National Symposium on Gondwana Fragmentation, Lucknow.
2. **Pinaki Roy (2006)**, Phylogeny of the Jurassic family Opellidae (Ammonoidea): A cladistic and heterochronic approach. The 2nd International Palaeontological Congress, Beijing, China.
3. **Pinaki Roy (2007)**, Global warming and mass extinction. Indian Science Congress, Annamalai University, Chennai.
4. **Pinaki Roy (2013)**, Callovian – Oxfordian opeelids from western India, their biostratigraphic and palaeobiogeographic implications, 1st International Conference on Paleogeography, Beijing, China.
5. **Pinaki Roy (2016)**, Instigation of cosmopolitan status to *Taramelliceras kachhense* (Waggen) from Kutch, western India, 33rd Convention of IAS, 12-14 November, 2016, Benaras Hindu University, U.P. India.

Sponsored Research projects

1. **Dr. Pinaki Roy (PI)**, "Systematic Study of Molluscs and other Benthic Faunal Diversity and Their Palaeocological Palaeobiogeographical Distribution during Jurassic-Cretaceous transition in Kutch, Western India", DST, Science and Engineering Board, Government of India, Sanctioned: Rs. 28,58,360/- ; Tenure: 2019-2022

Guidance of M.Sc. Projects

1. Subhra Pratim Bank (2012-2013, *Durgapur Government College*), The new Record of *Prohecticoceras* Spath and recognition of sexual dimorphism in the genus from the Bathonian of Kutch, India: Taxonomic and evolutionary implications. **(Guide: Dr. Pinaki Roy)**
2. Priya Tiwari (2012-2013, *Durgapur Government College*), Middle-Upper Callovian Reineckeids (Ammonoidea) of Kutch, Western India: Taxonomic and Chronostratigraphic implications. **(Guide: Dr. Pinaki Roy)**
3. Arnab Pradhan (2013-2014, *Durgapur Government College*), Turritellidae from Chhasra Formation of Kutch, Gujarat and its Palaeobiogeographic Implications. **(Guide: Dr. Pinaki Roy)**
4. Joydeep Dutta (2013-2014, *Durgapur Government College*), Comparison of shell morphology and sutural complexity between two ammonoid groups from Jurassic of western India. **(Guide: Dr. Pinaki Roy)**
5. Sharanya Hazra (2013-2014, *Durgapur Government College*), Phylogenetic systematics of Eucycloceratina and systematic palaeontology of other and ancillary taxa from Kutch and Jaisalmer. **(Guide: Dr. Pinaki Roy)**
6. Ayon Dey (2014-2015, *Durgapur Government College*), Taxonomic Revision of *Taramelliceras* species from Kutch, western India. **(Guide: Dr. Pinaki Roy)**
7. Pratik Mukherjee (2014-2015, *Durgapur Government College*), Study of Early Eocene Corbulid species from Mangrol Lignite Mines, Surat, Gujarat and their Palaeoecological Significance. **(Guide: Dr. Pinaki Roy)**
8. Joyendu Batabyal (2015-2016, *Durgapur Government College*), Study of tracefossils from lower Siwalik of Darjeeling–Jalpaiguri district, West Bengal. **(Guide: Dr. Pinaki Roy)**

9. Soumita Datta (2016-2017, Durgapur Government College), Study on burrowing bivalve genus *Macra* Linnaeus, 1767 from Chandipur Odhisa and its ecological significance. **(Guide: Dr. Pinaki Roy)**
10. Lopamudra Roy (2016-2017, Durgapur Government College), Ecology of bivalve genus *Telesopium* (Linnaeus, 1958) from Chandipur Odhisa. **(Guide: Dr. Pinaki Roy)**
11. Durba Sikdar (2016-2017, Durgapur Government College), Cannibalism in *Naticaa tigrina* – a case study from Chandipur, Odhisa. **(Guide: Dr. Pinaki Roy)**
12. Arpita Ghosh (2016-2017, Durgapur Government College), Study on ecology and taphonomy of the bivalve *Sanguinolaria*, Chandipur, Odhisa. **(Guide: Dr. Pinaki Roy)**
13. Lipika Bid (2017-2018, Durgapur Government College), Studies on two species of *Kutchythyris* (Brachiopoda) from Jaisalmer Formation, Rajasthan: their palaeobiogeography and palaeoecology. **(Guide: Dr. Pinaki Roy)**
14. Madhumita Mahanty (2018-2019, Durgapur Government College), Studies on two species of gastropoda from Fort Member, Jaisalmer Formation and their palaeobiological implications. **(Guide: Dr. Pinaki Roy)**
15. Sumana Datta (2018-2019, Durgapur Government College), Studies on trace fossils from the Thiat Member, Lathi Formation, Jaisalmer and their palaeoenvironmental implications. **(Guide: Dr. Pinaki Roy)**

Invited Lectures

1. Invited Lecture on “*Evolution of Classification: Cladistic approach* (Dr. Pinaki Roy)”, DST sponsored training programme on applications of “Morphometric Analysis in Paleontology” (MAP) from 25th July to 8th August, 2010 organised by Wadia Institute of Himalayan Geology.

Participation in faculty development programmes

1. Certificate Course in Remote Sensing and GIS from 20/05/2013 to 12/07/2013 (Dr. Pinaki Roy) organized by Geoinformatics and Remote Sensing Cell, Department of Science & Technology, Govt. of West Bengal.

Participation in committees of Durgapur Government College since 2017

1. Admission Subcommittee (Jt. Convener-2017-18)
2. Examination Subcommittee Sixth Semester (Jt. Convener-2018-19)