

RÉSUMÉ

PRANAB DAS
Assistant Professor
Department of Applied Geology
IIT(ISM)
Dhanbad,
Jharkhand-826004, India

E-mail: pinkudas@gmail.com

Father's Name: Sri Jharudas Das

Mother's Name: Lt Smt. Chhaya Das

Corresponding Address

Department of Applied Geology
IIT(ISM)
Dhanbad-826004, Jharkhand
India.

Ph: - +91-9471191892

Date of Birth: 09.02.1976

Nationality: Indian

Languages: English, Hindi, Bengali.

Career Objectives

- To excel in any field that I need to get into and make turn the venture into a success.
- To be a better person in every walk of my life and be a person my peers and even seniors will look upto in their times of need.

Experience

Eight years of research experience as Marine Geologist at National Institute of Oceanography, working as Research Scholar and Scientist.

Trainings

1. Short course on Mass Spectrometry, held at National Institute Oceanography Dona Paula, Goa Under the auspices of Indian Society for Mass Spectrometry.
2. Induction programme for newly recruited Scientist by HRDC, CSIR, Gaziabad.
3. Attended Training on ICP-MS at Bremen, Germany.
4. Attended training on LA-MC-ICP-MS at NGRI, Hyderabad

Projects Handled:

Work Experience

- Worked as Scientist 'B' at National Institute of Oceanography, Goa from 2008 to 2012
- Working as Assistant Professor at Indian School of Mines from 2012

Education

- Ph.D.; Geological Sciences (2009)
Jadavpur University, Kolkata, India.
- Master of Science (M.Sc.); *Geology*
Ballygunge Science College, Calcutta university, Kolkata, India
- Bachelor of Science (B.Sc.); *Geology (Hons)*
Jagannath Kishor, Purulia (Burdwan University); India

M.Sc. Dissertation

Petrology of Cretaceous volcanics and associated rocks of Portblair, Andaman

Software Proficiency

- Operating Systems: Windows 95/98/2000, Windows Me, Windows Xp.
- General Softwares: MS Office 2000, Adobe Photoshop, Adobe Illustrator, Microsoft FrontPage, WS_FTP LE, Corel Draw, Surfer, Matlab.
- Geological Software: GEOrient32 v92, GEOMap.
- Geophysical Softwares: Hydromap, MB-System

Scientific Instruments Handled

- Geophysical Equipments: Gravimeter, Atlas DS2 Hydrosweep system on board RV AA Siderenko, RV Roger Revelle of National Institute of Oceanography, India and Scripps Institute of Oceanography, USA
- Geophysical Acquisition: Pinger, Echosounder, Multibeam Bathymetric Profiler, Side-Scan-Sonar, Para-sound profiler, Gravity profiler.
- Geochemical Instruments: EDS, SEM, XRD, XRF, EPMA, ICP-MS, TIMS, MC-ICP-MS

Awards

- CSRI Junior Research Fellowship 2001
- French PhD-Sandwich Fellowship, 2007-08, by French Embassy India

- Acquisition, Processing and Interpretation of deep sea bathymetry data collected from the Indian Ocean
- Interpretation of Geochemical data of rocks collected from the Indian Ocean.
- Interpretation of Geochemical data of rocks collected from Carlsberg Ridge.
- Geochemical characterization of Malangtoli volcanics and emplacement

	mechanism over Singhbhum Granite in and around Kendujhar district Odisha (DST sponsored)
<u>Deep sea experience:</u>	Participated Seven National and International Scientific cruises and spend more than 215 days on board.
<u>Ph.D. Topic</u>	“Morphotectonic Evolution and Petrochemistry of Central Indian Ocean Floor”
<u>Publication:</u>	<p>Papers</p> <ol style="list-style-type: none"> 1. Pranab Das, Bishwajit Chakraborty, V. N. Kodagali and Vasudev Mahale (2003) Segmentation of sea floor bathymetric profile use of artificial neural network architecture, National Conference on Advanced Machine Vision Systems for Societal Application (AMSA-2003), pp. 222-232. 2. Bishwajit Chakraborty, Vasudev Mahale, Carlyle de Sousa and Pranab Das (2004) Seafloor classification using echo-waveforms: a method employing hybrid neural network architecture, IEEE (GRSL) 1(3) 196-200. 3. Pranab Das, Sridhar D. Iyer, V. N. Kodagali and K. S. Krishna (2005) Distribution and origin of seamounts in the Central Indian Ocean Basin, Marine Geodesy, 28, pp. 259-269. 4. Sridhar D. Iyer, M. Sdhakar, Pranab Das (2007). Composition and genesis of zeolitic claystones from the Central Indian Ocean. Acta Geologica Sinica. 81, 756-770. 5. Pranab Das, Sridhar D. Iyer and V. N. Kodagali (2007) Morphological characteristics and emplacement mechanism of the seamounts in the Central Indian Ocean Basin. Tectonophysics, 443, 1-18. 6. Pranab Das and Sridhar D Iyer (2009) Geochemical characterization of oceanic basalts using Artificial Neural Network. Geochemical Transactions, 10:13 doi: 10.1186/1467-4866-10-13. 7. Pranab Das, Sridhar D. Iyer and Sugata Hazra (2012) Petrological characteristics and genesis of the Central Indian Ocean Basin basalts. Acta Geol. Sin., 86, 801-817. 8. Iyer SD, Mehta CM, Das P. and Kalangutkar NK, (2012) Seamounts – Characteristics, Formation, Mineral Deposits and Biodiversity. Geologica Acta, 10(3), 295-308. 9. Iyer, S.D., Das, P., Kalangutkar, N.G., Mehta, C.M. (2012) ‘Seamounts - windows of opportunities and the Indian scenario’, Current Science, vol 102(10), 1382-1391. 10. D. RAY, D. KOTA, P. DAS, L. S. Prakash, V.D. KHEDEKAR, A. L. PAROPKARI, A. V. MUDHOLKAR (2014) Microtexture and distribution of minerals in hydrothermal barite-silica chimney from the Franklin seamount, SW Pacific: Constraints on the mode of formation, Acta Geol. Sin., 88, 801-813. 11. SD Iyer, AA Amonkar, P Das, Genesis of Central Indian Ocean basin seamounts: morphological, petrological, and geochemical evidence, International Journal of Earth Sciences 107 (7), 2517-2538