



Arya Vidyapeeth College
আর্য্য বিদ্যাপীঠ মহাবিদ্যালয়



Personal profile

Name of the Faculty: Dr. Niva Rani Devi

Designation: Assistant Professor

Personal Date of Birth: 14-12-1973

Information Gender: Female

Nationality: Indian

Address for correspondence:

Department of Geology,
Arya Vidyapeeth College,

Gopinath Nagar

Guwahati – 781 016

Dist: Kamrup (M)

Permanent Address:

Vill. – Lararma

P.O. – Sanekuchi

Dist. – Nalbari

Pin - 781350

e-mail ID : nrdevi@rediffmail.com, deviniva11@gmail.com

web:

Contact no.: 09577107943

Date of joining the present service: 12-01-2012

Academic MSc, PhD,

Qualification

Teaching In UG level: 8 Years 5 months

Experience In PG level: No.



Academic
distinction

- i) Recipient of Academic Gold Medal for securing 1st class 1st position in Geology in M.Sc Examination, 1997 (held in 1998) from Gauhati University
- ii) Recipient of Krisnadutta Bujarbarua Memorial Award for obtaining highest mark in Sanskrit in undivided Kamrup district in HSLC Examination, 1989

Research
Experience

Date of obtaining / PhD Degree: 06-01-2006. Gauhati University

Title of the PhD thesis:

“A TECTONOSTRATIGRAPHIC STUDY OF CONGLOMERATES OF SHILLONG BASIN OF MEGHALAYA, NE INDIA.”

Length of research experience: 14 years excluding 4 years in PhD

Specialization (Area of interest): Structural Geology, Igneous and Metamorphic Petrology, Geochemistry and Paleomagnetism.

No. Of research projects:

Title of the project	Funding agency	Amount (in Rs)	Status (ongoing/completed)
“Geochemistry and paleomagnetic study of Cretaceous mafic dykes of Precambrian gneissic basement around Swankre Rongmil area of Garo Hill region, Meghalaya, NE India” DST No. SR/FTP/ES-40/2011 dated 04.07.2012	Department of Science and Technology, Govt. of India	10.01 Lakh	Completed

Publications **No. Of Research paper published: 18**

Published Papers: International; 04

- i) **Niva Rani Devi** Phase petrographic, thermobarometric and petrochemical significance of Cretaceous mafic dykes along Nongchram Fault Zone of Swangkre–Rongmil area of Shillong plateau, NE India: Implications for genetic link to Kerguelen mantle plume. Journal of Earth System Science. (Indian Academy of Sciences), 2020; 129 : 79; <https://doi.org/10.1007/s12040-019-1323-2>
- ii) **Niva Rani Devi** An Overview of Geochemical Significance of Cretaceous Mafic Dykes in and around Nongchram Fault Zone of Shillong Plateau, NE India: Implications for Genetic Link to Kerguelen Plume. International Journal of Current Trends in Science and Technology, 2018; v.8 Issue. 03 pp. G1 20181-20199.
- iii) K. P. Sarma, J.J.Laskar, **Niva Rani Devi**, Nandita Mazumdar, J Mallikarjuna Rao and M. Venkateshwarlu. Geochemistry of Mesoproterozoic metadolerite dykes and sills of Shillong basin, Meghalaya, NE India. Asian Journal of Multidisciplinary Studies, 2015; Vol.3, Issue 2, Feb’.
- iv) **Niva Rani Devi** and K. P. Sarma. Strain analysis and stratigraphic status of Nongkhya, Sumer and Mawmaram conglomerates of Shillong basin, Meghalaya, India;; Journal of Earth System Science, 2010; 119, no.2, April 2010, pp. 161-174.

National 14

- i. Sarma, K.P Mamilla, V; Rao, J.M, Patil S K , Laskar,J.J, **Devi, Niva Rani**. Paleomagnetism of metadolerite dykes and Sills from Proterozoic Shillong basin, NE India; Journal of The Geological Society of India; 2014.
- ii. Mamilla, V; Rao, J.M, Sarma, K.P, Laskar,J.J, **Devi, Niva Rani**. Paleomagnetic and petrological studies of volcanic tuff from Shillong Plateau, NE India; Himalayan Geology, 2012, vol.33(2), pp. 118- 125.
- iii. K. P. Sarma, S. Nandy, **N. R. Devi**, and P. Konwar. Is Mishmi Block a Tectonic Roof? Some observations. Magmatism, Tectonism and Mineralisation. Editor: Santosh Kumar. Macmilan publishers India Ltd., New Delhi, India; 2009; pp. 167-178.
- iv. **N. R. Devi**, P. Kakati, P. Borah, P. Konwar and K.P.Sarma. Microstructural Architecture of Lower Metapelitic Formation of Mesoproterozoic Shillong Basin, Meghalaya, India; Earth System Science; Edited by- A.Kumar, R.S.Khushwaha and Baleshwar Thakur; 2009, v.2, pp.324-341.

- v. K.P Sarma and **N.R. Devi**. Strain analysis of Sumer and Nongkhya Conglomerates of Proterozoic Shillong Basin of Meghalaya, India; Nagaland University Research Journal (ISSN 0973-0346) Special publ- 2008; 2008.
- Vi. K.P Sarma, S. Nandy, **N. R. Devi**, and P. Konwar. Dibang and Lohit district geotranssects of Arunachal Himalaya, India; Assam Science Society 2007, pp.31-40
- Vii. **Niva Rani Devi** and K. P. Sarma. Tectonostratigraphic Status of Basin of Conglomerates of Shillong Meghalaya; Journal of The Geological Society of India, Journal of The Geological Society of India, 2006; v.68, Dec', pp.1100-1108.
- Viii. K.P. Sarma, and **N. R. Devi**. Structure and tectonics of Shillong Plateau, NE India; Journal of Geoscience, 2006; v.11, pp.1-16.
- ix. K.P Sarma, S. Nandy, P. Konwar and **N. R. Devi**. Geology in and around Parasukund (Brahmakunda) of Lohit district, Arunachal Pradesh, India; K.P Sarma, S. Nandy, P. Konwar and **N. R. Devi**; Journal of Geoscience, 2006, v.11, pp.68-71.
- x. **N.R. Devi**, N. Devi and K.P. Sarma. A Simple algebraic Method to estimate the strain ratio of Mawmaram Conglomerate of Shillong Basin of Meghalaya, NE India; **N.R. Devi**, N. Devi and K.P. Sarma; Assam Science Society, 2006; Proc. Vol of 51st annual tech. session v.7, pp.197-207.
- xi. **Niva Rani Devi** and K.P. Sarma. Estimation of strain magnitude of the pebbles of Sumer and Mawmaram conglomerates of the Proterozoic Shillong Basin, Meghalaya, India; Journal of Geoscience, 2005, v.9&10, pp.14-25.
- xii. K.P.Sarma, **N.R.Devi**, Agnes L.Passah, I.L.Narry, Vicky Diengdoh and W. Saralin. Microstructural Behaviour of Deformed Metapelites of Shillong Basin, Meghalaya; Journal of Geoscience, 2003, v.7&8, pp14-25
- xiii. K.P. Sarma, Swapnali Dutta and **Niva Rani Devi**. Deformational history of the Precambrian rocks around Garchuk of greater Guwahati, Kamrup district, Assam; **Niva Rani Devi**, Swapnali Dutta and K.P. Sarma; Bulletin of Indian Geological Association, 2001, v.35(1), pp.63-71.
- xiv. K.P. Sarma, Swapnali Dutta and **Niva Rani Devi**. Strain analysis and fold shapes of Precambrian metamorphites of Hajo area, Kamrup District, Assam;; Journal of Geoscience, 2001, v.5&6, pp.29-37.

Papers
presented in
Seminar/
Conference

No. of research paper presented: 06

International: 02

- i. Presented paper in **XII international symposium on Antarctic Earth Science- ISAES-2015** held at Goa, India during 13th-17th July'2015, abstract published.
- ii. Presented paper in International seminar on **“Magmatism, Tectonism and Mineralisation- MTM-2014”** organized by Deptt. Of Geology, Kumaun University, Nainital, Uttarakhand, India, abstract published.

National: 04

- i. Presented paper in national seminar of Assam Science Society held at Goalpara College, Assam on 23rd January'2017.
- ii. Presented paper in National seminar on “Magmatism, Tectonism and Mineralisation- MTM-2007” organized by Deptt. Of Geology, Kumaun University, Nainital, Uttarakhand, India
- iii. Presented paper in 52nd Annual Session of Assam Science Society in 2007
- iv. Presented paper in 51st Annual Session of Assam Science Society in 2006

Corporate
Social
responsibility

- i) Member, IQAC, Arya Vidyapeeth College.
- ii) Member, Science Club, Arya Vidyapeeth College from 2012 to 2027
- iii) Member, Academic and Research Cell
