

CURRICULUM VITAE



Personal Information:

Name : M. FARUQUE HUSSAIN
Date of Birth : 5th November, 1975
Present Position : Associate Professor; Department of Earth Science, Assam University, Silchar
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Qualifications:

Ph.D.	Awarded	2004	Aligarh Muslim University
M.Sc.	First Class (<i>First position</i>)	1998	Aligarh Muslim University
B.Sc.	First Class (<i>First position</i>)	1996	Assam University, Silchar

Ph.D. Title:

Petrological and Geochemical studies of Gneisses, Granitoids and Mafic Dyke Swarms in Parts of Bastar Craton

Areas of Interest:

Igneous petrology, with special emphasis on magma genesis and Geochemistry

Academic Distinctions:

- **NET - JRF** in Earth Sciences by CSIR-UGC during Dec. 2000
- **Gold Medal** from Aligarh Muslim university for securing First Class First Position in M. Sc. (Geology) Exam in 1998
- **FIRST Position** in B.Sc. (Geology) Exam., 1996 of Assam University, Silchar

Professional experiences:

- Sept., 2013 to till date: **Associate Professor** in the Department of Earth Science, Assam University, Silchar.
- Sept., 2010 to Sept 2013: **Reader** in the Department of Earth Science, Assam University, Silchar.
- Nov., 2009 to Aug., 2010: **Asstt. Professor** in the Department of Earth Science, Assam University, Silchar.

- Dec., 2005 to Nov., 2009: **Asstt. Professor** in the Department of Geology, Mizoram University, Aizawl
- Oct., 2004 to Dec., 2005: **Lecturer** (Under Graduate) at Gurucharan College, Silchar against Lien vacancy

Research Project carried out:

- **Young Scientist Project (2006-2010)** on “Petrological and Geochemical Studies of the Archaean Gneisses and Granitoids of Mikir Hills Massif of Shillong plateau in parts of Karbi-Anglong District, Assam” - funded by Department of Science and Technology (DST), New Delhi as P.I.
- **Major Research Project (Nov., 2014- Aug., 2018)** on “Rare Earth Metal abundance in Certain Pan-African granitoids of Karbi Hills, Assam: their prospect examination” – funded by Ministry of Earth Sciences as Co-PI

PhD Thesis Supervised:

- **V. Vanthangliana:** “Petrogenetic evolution of the Precambrian Basement Rocks of the Area around Sonapahar, West Khasi Hills District, Meghalaya”. (Thesis Awarded)
- **Mrigendra Narayan Barman:** “Petrological and Geochemical studies of the Carbonatite-Alkaline Ultramafic rocks of East Khasi and Jaintia Hills, Shillong Plateau, Northeast India. (Thesis Awarded)
- **Ajoy Dey:** “ Petrological and Geochemical studies of the ultramafic and mafic rocks from the Naga Hills Ophiolites of Nagaland Manipur Ophiolite Belt, Northeast India. (Thesis Awarded)

PhD Thesis being Supervised:

- **Bulbul Mondal:** “Geochemical studies of the metasedimentary rocks of Sonakhan Greenstone belt, Bastar Cratom: implication for crustal evolution of Central Indian Shield”
- **Debjani Choudhury (JRF, DST Inspire):** “Petrological And Geochemical Studies Of Pan-African Granitoids Of Shillong Plateau, Meghalaya, India”
- **Bittu Kumar Dey (JRF, DST Inspire):** “Petrological and Geochemical Studies of the Proterozoic Khasi Greenstone, Shillong plateau, Meghalaya, Northeast India”
- **Bikramjit Sinha:** “Petrological and Geochemical Studies of Abor Volcanics in parts of Southern Siang Window, Arunachal Himalaya, Northeast India”

Workshops/symposium etc. attended:

- **Group Discussion Meeting on “Indian Dyke”** at the Department of Geology, Banaras Hindu University, Varanasi during 18th -19th March, 2006 sponsored by Department of Science and Technology (DST), New Delhi
- DST New Delhi sponsored **National Field Workshop in the “Neogene Succession of Mizoram”** organized by Dept. of Geology, Mizoram University, Aizawl during 1st – 3rd, November, 2007
- National Assessment and Accreditation Council (NAAC), Bangalore **Workshop on ‘Higher Education in the North East: Issues, Concerns and New Directions from the Quality Assurance Perspective’** at Assam University, Silchar; 19-21 Nov., 2011
- **Industry-Academia Workshop on ‘Recent Trends in Petroleum Exploration Technology’** Regional Training Institute, ONGC, Sivasagar; 23 – 27 April, 2012 sponsored by ONGC Limited, Dehradun

Membership of Learned Bodies:

- **Fellow, Geological Society of India**, Bangalore (F. No 2882; LM No. 1773)
- **Fellow of the Society of the Earth Scientists**, Lucknow (F/263)
- **Life Member of the Indian Society of Applied Geochemists**, Hyderabad – 500 007, Andhra Pradesh, India

List of publications:

International:

1. **M. Faruque Hussain**, Md Shofiquil Islam and Mithun Deb, 2020. Petrological and geochemical study of the Sylhet trap basalts, Shillong plateau, N.E. India: Implications for petrogenesis. **European Journal of Geosciences**, 02(01), 01 – 18.
2. Pradip Borgohain, **M Faruque Hussain**, Devojit Bezbaruah, V Vanthangliana, Parakh Protim Phukan, Manash Pratim Gogoi and Bubul Bharali, 2020. Petrography and whole-rock geochemistry of Oligocene Barail Sandstones of Surma basin: Implications for tectono-provenance and paleoclimatic condition. **Jour. Earth Syst. Sci.**, 129:179, <https://doi.org/10.1007/s12040-020-01431-y>.
3. Debjani Choudhury and **M. Faruque Hussain**, 2020. Neoproterozoic highly fractionated I-type granitoids of Shillong Plateau, Meghalaya, Northeast India: geochemical constraints on their petrogenesis. **Acta Geochimica**, <https://doi.org/10.1007/s11631-020-00410-w>
4. **M. Faruque Hussain** and Bulbul Bharali, 2019. Whole-rock Geochemistry of Tertiary Sediments of Mizoram Foreland Basin, NE India: Implications for Source Composition, Tectonic Setting and Sedimentary Processes. **Acta Geochimica**, 8(6), 897–914.

5. M. E. A. Mondal, **M. Faruque Hussain** and Talat Ahmad 2019. Archean granitoids of the Bastar Craton, Central India, **Geological Society, London, Special Publications**, 489; 135-155; <https://doi.org/10.1144/SP489-2019-311>
6. **M. Faruque Hussain**, V. Vanthangliana and M. E. A. Mondal, 2018. Geochemical Constraints on the Petrogenesis of the Metasedimentary Rocks Forming the Basement of the Shillong Plateau, Northeast India. **M. E. A. Mondal (ed.), Geological Evolution of the Precambrian Indian Shield, Springer International Publishing AG**, pp. 373 – 399; https://doi.org/10.1007/978-3-319-89698-4_16
7. Ajoy Dey, **M. Faruque Hussain**, Mrigendra N. Barman, 2018. Geochemical characteristics of mafic and ultramafic rocks from the Naga Hills Ophiolite, India: Implications for petrogenesis. **Geoscience Frontiers (Elsevier)**, vol.9, pp. 517-529.
8. M. E. A. Mondal and **M. Faruque Hussain**, 2011. Classification of granitic rocks: a march from alphabet soup to petrogenetic recipes. **Current Science**, V. 100, No. 8, pp. 1138 – 1140.
9. **M. Faruque Hussain** and T. Ahmad, 2009. Geochemical characteristics of the Granitoids of Mikir Hills Massif of Shillong Plateau, Northeast India: Implication for Pan-African Magmatic Activity. In: (Eds.) Talat Ahmad, Francis Hirsch, and Punya Charusiri, Geological Anatomy of India and the Middle East, 2009, **Virtual Explorer, Australia**, volume 32, paper 4, doi: 10.3809/jvirtex.2009.00250
10. M.E.A. Mondal, **M. F. Hussain**, and T. Ahmad, 2006. Continental growth of Bastar Craton, central Indian shield during Precambrian via multiphase subduction and lithospheric extension/rifting: evidence from geochemistry of gneisses, granitoids and mafic dykes. **Journal of Geosciences**, v. 49, pp. 137-151.
11. **M. F. Hussain**, M.E.A. Mondal and T. Ahmad, 2004. Petrological and geochemical characteristics of Archaean gneisses and granitoids from Bastar craton, central India – implication for subduction related magmatism. **Gondwana Research, Japan**, v. 7, No. 2, pp. 531-537. doi: 10.1016/s1342-937x(05)70803-0
12. **M. F. Hussain**, M.E.A. Mondal and T. Ahmad, 2004. Geochemistry of basement gneisses and gneissic enclaves from Bastar craton: geodynamic implications. **Current Science**, v. 86, No. 11, pp. 1543-1547.
13. **M. F. Hussain**, M.E.A. Mondal and T. Ahmad, 2004. Geodynamic evolution and crustal growth of central Indian Shield: evidence from geochemistry of gneisses and granitoids. **Journal of Earth System Sciences**, v. 113, No. 4, pp. 699-714. www.springerlink.com: doi: 10.1007/BF02074030

National:

14. Mrigendra N. Barman, **M. Faruque Hussain** and Ajoy Dey, 2018. Petrological and Geochemical Studies of Carbonatite and Ultramafic Rocks of Sung Valley, Shillong Plateau, Northeastern India: Implication for Petrogenesis. **Journal of Applied Geochemistry**, Vol. 20 (1) pp. 29 – 40.
15. Bulbul Mondal, **M. Faruque Hussain** and M.E.A Mondal, 2018. Geochemistry of Paleoproterozoic Metasedimentary rocks from Sonakhan Greenstone belt, Northeast Bastar Craton, Central Indian Shield: Implications for Provenance, Paleoweathering and Tectonic Setting. **Journal of Applied Geochemistry**, Vol. 20 (3) pp. 325 – 343.
16. **M. Faruque Hussain**, 2012. Geochemistry of the Pan-African Granitoids of Mikir Hills Massif, Northeast India: Implication for Neo-Proterozoic Crustal Evolution of Shillong Plateau. **Memoir Geological Society of India** No. 75, pp. 449 – 464.
17. **M. Faruque Hussain** and V. Vanthangliana, 2012. Crustal Growth and Evolution of Shillong plateau, North East India: Constraints from Geochemistry of Basic Granulites. **Assam Univ. Jour. of Sci. and Tech.** (ISSN: 0975-2773), Vol. 9, Number II, pp. 20-35.
18. V. Vanthangliana, **M. F. Hussain** and Jimmy Lalnunmawia, 2011. Petrochemical studies of metapelites of the area around Sonapahar, Meghalaya, India. **Science Vision** [ISSN (online) 2229-6026], 11 (2), pp 77-89.
19. K. Srinivasa Rao, **M. F. Hussain**, R. P. Tiwari and A. T. Rao, 2010. Granulometric study of the landforms of Penner delta region, East coast of India: Implications for sea level changes. **Memoir Geological Society of India**(ISBN-13 : 9788185867960), No. 75, pp. 449 – 464
20. M.E.A. Mondal, **M. F. Hussain** and T. Ahmad, 2006 (Published in 2009). Geochemistry of the Proterozoic mafic dyke swarms of Bastar craton of Central Indian Shield: Implication for spatial relationship between two Proterozoic mantle domains and constraints on their enrichment processes. **Indian Journal of Geology** (ISSN 0970-1374), v. 78, No. 1-4, pp. 101 – 118.
21. **M. Faruque Hussain**, S. B. Dwivedi and M. E. A. Mondal, 2009. Chalcophile Element Characteristics in Mafic Dykes from Central and Northeastern Parts of Bastar Craton: A guide to Ni-Cu-PGE Mineralization. In Santosh Kumar (Ed.) **“Magmatism, Tectonism and Mineralization”** MacMillan Publishers India Ltd., New Delhi, India, pp. 312–321
22. **M. Faruque Hussain**, T. Ahmad and M. E. A. Mondal, 2008. Geochemistry of the Precambrian mafic dyke swarms of the Central and Northeastern parts of Bastar craton, Central India: Constraints on their enrichment processes. In R. Srivastava et al. (Eds.) **“INDIAN DYKES: Geochemistry, Geophysics and Geochronology”** Narosa Publishing House Pvt. Ltd., New Delhi, pp. 397 – 412

23. M.E.A. Mondal, **M. F. Hussain**, and T. Ahmad, 2007. Geochemistry and petrogenesis of the Proterozoic mafic dyke swarms of Bastar craton of central Indian shield. **Journal of Applied Geochemistry** v. 9, No. 1, pp 17-27.
24. **M. F. Hussain** and M.E.A. Mondal, 2004. Growth of Bastar nucleus, central India via multiphase subduction: evidence from geochemistry of gneisses. **Journal of Applied Geochemistry**, v., 6. pp. 164-176.
25. M. E. A. Mondal and **M. F. Hussain**, 2003. Geochemical characteristics of granitoids from Bastar craton, central India. **Gondwana Geological Magazine**, v. 7, pp. 193-199.

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