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Summary of Qualifications

I have seven years of broad academic experience in higher education, particularly in the academic leadership and administration. Teaching for graduates and undergraduates in Geosciences I seek feedback from students and faculty to improve administrative and teaching functions in the college. Actively working for the development and administration of academic programs, research and scholarly activities, students advising to career planning, ability to work a diverse and multicultural educational environment, community outreach activities as well as Internship development and implementation.

Experience

One and half years of teaching experience in Department of Geology, National College, Tiruchirapalli, Tamil Nadu, India.

Education

- Ph.D.**, Geology, University of Madras, Chennai., India, 2017.
- M.Phil.**, Geology, University of Madras, Chennai., India, 2012.
- M.Sc.**, Geology, University of Madras, Chennai., India, 2011.
- B.Sc.**, Geology, Alagappa University, Karaikudi., India, 2009.

Work Experience

DESIGNATION	WORK	TITLE	ORGANISATION	PERIOD
Ph.D	Thesis	Distribution of Ostracods and Paleoenvironmental Implications of Surface and Sub-Surface Sediments off Bay of Bengal, Central East Coast of India.	School of Earth and Atmospheric Sciences, University of Madras, Chennai	2013-2017 Awarded
M. Phil	Dissertation	Distribution of Foraminifera in the Core Samples of Kollidam and Marakanam Mangrove Locations, Tamil Nadu, Southeast Coast of India	School of Earth and Atmospheric Sciences, University of Madras, Chennai	2011-2012
M. Sc	Dissertation	Palynofossil Assemblage of Well Pallivaramangalam (ONGC Well) - A (Interval 2500-3392 M) of Nagapattianam Sub-Basin Of Cauvery Basin, India: Implications for Biostratigraphy and Paleoenvironment.	School of Earth and Atmospheric Sciences, University of Madras, Chennai	2010-2011
Senior Research Fellow	MOES Fellowship	High Resolution of Paleoclimatic changes in the Bay of Bengal.	School of Earth and Atmospheric Sciences, University of	July 2012- July 2013

			Madras, Chennai	
Senior Research Fellow	UGC fellowship	Distribution of Ostracods and Paleoenvironmental Implications of Surface and Sub-Surface Sediments off Bay of Bengal, Central East Coast of India.	School of Earth and Atmospheric Sciences, University of Madras, Chennai	2013-2017

Teaching Areas and Interests

- Micropaleontology and Paleontology
- Paleoceanography and Paleoclimatology
- Indian and World Stratigraphy
- Sequence Stratigraphy
- Dynamic Geology
- Advanced Mineralogy and Petrology

Research Interests

My research is driven by the impacts of paleoclimatic reconstructions. I strive to better understand recent observations within a geologic context such as stratigraphic, paleoceanographical and paleolimnological problems.. I am expertise in Ostracoda to interpretation of paleoecology, morphology, shell geochemistry, paleobiologic or evolutionary hypotheses processes. Of late, microfossils have emerged as a very powerful and reliable tool to trace past variations in monsoon and to characterize tsunamigenic sediments. Thus, the subject of micropaleontology is becoming more and more important branch of Earth System Science for finding solutions to contemporary issues and that its future is indeed very bright.

Publications

(List of papers published in SCI Journals, in year wise descending order).

S.no	Author Name (s)	Title of the paper	Journal Name	Vol.	P. Num	Year	I. factor
1	A.Rajkumar,S.M. Hussain, N.Mohammed Nishath , K.T.Dewi, V.Sivapriya, K.Radhakrishnan	Recent Ostracoda Biodiversity from shelf to slope sediments of Gulf Mannar, India: Ecologic and Bathymetric implications	Journal of the Paleontological Society India	65 (1)	01-Jul	2020	0.510
1	N. Mohammed Noohu, S.M.Hussain, N.Mohammed Nishath , V.M.Krishna, D.Sunitha	Granulometric studies rate of sedimentation and ostracod distribution from a short core off ongole coast, Andhra Pradesh, Bay of Bengal	Journal of the Paleontological Society India	63(1)	111-118	2018	0.510

2	N.Mohammed Nishath , S.M.Hussain, K.Neelavannan, S.Thejasino, S.Saalim and A.Rajkumar	Ostracod biodiversity from shelf to slope oceanic conditions, off central Bay of Bengal, India.	Palaeogeography, Palaeoclimatolog, Palaeoecology.	483	70-82	2017	2.578
3	S.M.Hussain, M.Sakthivel, A.Rajkumar and N.Mohammed Nishath	Distribution of Foraminifera and Ostracoda under the ecological conditions in the beach sands of Tuticorin, Tamilnadu, Southeast coast.	International Journal of Earth Sciences and Engineering	10	281-288	2017	0.042
4	S.M.Hussain, Merin Maria Joy, A.Rajkumar N.Mohammed Nishath and Shubhangi, T. Fulmali	Distribution of calcareous microfauna (Foraminifera and Ostracoda) from the beach sands of Kovalam, Thiruvananthapuram, Kerala Southwest coast of India.	Journal of the Paleontological society of India	61(2)	267-272	2016	0.510
5	N.Mohammed Nishath , S.M.Hussain and A.Rajkumar	Distribution of Ostracoda in the sediments of northwestern part of Bay of Bengal, India-implications for microenvironment.	Journal of the Paleontological society of India	60(2)	27-33	2015	0.510

Book Chapter

S.No	Title	Author's Name	Publisher	Year of Publication
1	Distribution and environmental Implications of foraminifera in the core samples of Kollidam and Marakanam mangrove locations. Tamil Nadu, Southeast coast of India.	S.M.Hussain, N.Mohammed Nishath and Jyothi srivastava	In: Lakes and wetlands Patridge. India (ISBN 978-1-4828-4545-7), pp 314-333.	2015

Cruise Experience

- Participated in the ORV – Sagar Purvi (National Institute of Ocean Technology, Department of Ocean Development) scientific cruise for the collection of core and Grab samples of the coast off Cuddalore, Tamil Nadu in Bay of Bengal.
- Participated in ORV- Sagar Kanya (National Centre for Antarctic and ocean research) 308th cruise during 30thDec 2013- 21stJan 2014, from Chennai to Paradip on continental shelf and slope off Bay of Bengal in-between 28m to 2825m bathymetry ranges and collected several Multi cores, Gravity cores and Grab samples in collaboration with NIO-Goa.
- Participated SSD-004 cruise of the ORV Sindhu Sadhana (National Institute of Oceanography) from Chennai to Kochi on the continental shelf-slope off Gulf of Mannar and Arabian sea (Oct-Nov 2014) sampling done from Tuticorin to Kochi.

Technical Skills

Instruments handled

Isotope Ratio Mass Spectrometry, X- ray Fluorescence Spectroscopy (XRF), Atomic Absorption Spectroscopy, Eltra CS Carbon Sulfur Determinator etc.

Software knowledge

Strater- 5, ORIGIN-9, IBM SPSS Statistics-21, Coral Draw, OCEAN DATA VIEW (ODV), Surfer 8.0, Paleontological Statistics Software Package (PAST-3) etc.

Papers in refereed conference proceedings

- Presented paper in “XXVI Indian Colloquium on Micropaleontology and Stratigraphy” held on August 2017, Organized by University of Madras, India.
- Nation Conference on XXV Indian Colloquium on Micropaleontology and Stratigraphy held during 18th -20th December 2015, organized by Post Graduate Department of Geology, Institute of Science, Aurangabad, India.
- Distribution and Environmental Implications of Foraminifera in the Core Samples of Kollidam and Marakanam Mangrove Locations, Tamil Nadu, Southeast Coast of India in Current Trends in Lakes and Coastal Environment (LACOASTE-2014) Organized by Department of Earth Sciences, Annamalai University, Chidambaram held on March 28th - 29, 2014.
- Presented paper in “XXIV Indian Colloquium on Micropaleontology and Stratigraphy” held on November 2013, Organized by Institute of Himalayan Geology, Dehradun. India.
- Distribution of Foraminifera in the Core Samples of Mangrove Locations of Kollidam and Marakanam, Tamil Nadu, South East Coast of India in IAS-2012 held at Pondicherry University, Pondicherry, India.

Seminars/workshops attended

- National workshop on “Biodiversity Conservation” held on February 2017, Organized by Center for Ocean and Coastal Studies, University of Madras, Chennai.
- Workshop on “Placer Mineral Resources and Sedimentary Environments” held on March 2016, Organized by Department of Geology, University of Madras, Chennai.
- National seminar on “Quaternary Stratigraphy, Sedimentation and Sea level Changes” (QSSS), held on March 2015, Organized by Department of Geology, University of Madras, Chennai.
- Nation Conference on XXV Indian Colloquium on Micropaleontology and Stratigraphy held during 18th -20th December 2015, organized by Post Graduate Department of Geology, Institute of Science, Aurangabad, India.
- National Conference on “Climate Change Impacts and Coastal Area Management” held on February 2015, Organized by Department of Applied Geology, University of Madras, Chennai.
- Workshop on “Recent Developments in Micropaleontology and Its Applications” held on November 2014, Organized by Department of Geology, University of Madras, Chennai.
- International Conference on “Environmental Earth Science, Accomplishments, Plans and Challenges” held on March 2014, jointly organized by Department of Geology and Applied Geology, University of Madras, India & Instituto Politecnico Nacional (IPN),

Mexico.(Chennai).

- Training Workshop on “Basic Geostatistical Analysis for Experimental Data Sets” held on March 2014, Organized by Department of Geology, University of Madras, Chennai.
- National Conference on “Emerging Trends in Stratigraphy” held on December 2013, Conducted by Fergusson College, Pune.
- Presented paper in “XXIV Indian Colloquium on Micropaleontology and Stratigraphy” held on November 2013, Organized by Institute of Himalayan Geology, Dehradun.
- Workshop on “Coastal Climate Change” held on September 2013, Organized by Department of Geology, University of Madras. Chennai.
- Workshop on “Marine geosciences research in India: Current status and future directions” held on February 2013, Conducted by National Institute of Oceanography, Goa.
- Workshop on Recent Advances in Geology of Tamil Nadu, Presidency College, Chennai.
- International conference on “Global environmental change challenges and innovations” held on February 2012, University of Madras, Chennai, 2012.

References

- **Prof.Dr.S.M.Hussain**, Head of the Department, Department of Geology, University of Madras, Chennai-600025, Email: smhussain7@hotmail.com; smhussain@unom.ac.in
- **Prof.Dr.V.Kumar**, Head of the Department (UAP), Department of Geology, National college, Tiruchirapalli-620001, Email: kumarvgeol@gmail.com
- **Dr.Rajeev Saraswat**, Principal Scientist (Headquarters, Goa), Geological Oceanography Division, National Institute of Oceanography, Dona Paula, Goa, India-403004, Email: rs.niog@gmail.com; rsaraswat@nio.org
- **Prof.Dr. Devesh K Sinha**, Department of Geology, Center of Advanced Studies, University of Delhi, Delhi-110007, Email: deveshksinha@yahoo.com; dsinha@geology.du.ac.in