Dr. Devleena Mani Tiwari

UGC-Assistant Professor

M.Sc. (Chemistry)	: Banaras Hindu University, Varanasi, 2001
Ph.D. (Geochemistry)	: CSIR-NGRI, Hyderabad, 2008
Research Associate	: CSIR-NGRI, Hyderabad, 2009-2012
Project Scientist	: CSIR-NGRI, Hyderabad, 2012-13
Senior Research Associate	: CSIR-NGRI, 2013-2016
Project Scientist (DST)	: CSIR-NGRI, 2016-18
UGC-Assistant Professor	: University of Hyderabad, 2018 - Present

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Field of Specialization:

Organic and Stable Isotope Geochemistry, Sedimentary Geochemistry and Geology

Research Interests:

- Source, properties and paleo & depositional environment of sedimentary organic matter, Biomarkers and stable isotopes in energy and climate, Paleoclimatic reconstruction; Early earth's life and environment, ancient sedimentary environments
- Thermal & burial history of petroleum source rocks, Kerogen Kinetics and Geochemical basin modelling, hydrocarbon and shale gas systems
- Aerosol Organic matter and its climatic implications
- Development and application of geochemical proxies for geological materials & aerosols using stable isotope and organic mass spectrometry

Awards/Recognition (include national/international renowned awards/recognition)

2017 : Krishnan Gold Medal, Indian Geophysical Union
2017 : 'Certificate of Outstanding Contribution in Reviewing' by ELSEVIER
2001 : CSIR-UGC NET Qualification Certificate
1998 : Merit Certificate in B.Sc.

Editorial Services

Reviewer for peer reviewed National and International Journals (AAPG, Marine and Petroleum Geology, Int. Journal. of Coal Geology, Current Science, Rapid Communications in Mass Spectrometry and several others)

Selected Publications (maximum 5)

Books

- Evaluation of Shale source rocks and reservoir, 2019, **Springer**
- Shale Gas Exploration and Environmental and Economic Impacts. 1st Edition, **2017, Elsevier**

- ***Devleena Mani***, B.Ratnam, D.J. Patil M.S. Kalpana, A.M. Dayal, 2016. Elemental and organic matter characterization of the Gondwana sediments from the petroliferous Krishna-Godavari Basin, India., ***Chemie der Erde, Geochemistry, 76,1,117-131, Elsevier.(IF=2.364)***

- ***Devleena Mani***, D.J.Patil, A.M.Dayal, B.N.Prasad, 2015. Thermal maturity, source-rock potential and kinetics of hydrocarbon generation in Permian shales of Damodar Valley Basin, Eastern India, ***Marine and Petroleum Geology, 66, 1056-1072, Elsevier.(IF=3.538)***

- ***Devleena Mani,*** A.M. Dayal, D.J. Patil, Mateen Hafiz, Naveen Hakoo, G.M.Bhat, 2014. Gas potentiality of Proterozoic and Phanerozoic shales from NW Himalaya, India: Inferences from new pyrolysis data, ***International Journal of Coal Geology, 128-129, 81-95, Elsevier.(IF=5.33)***

- ***Devleena Mani***, D.J. Patil M.S. Kalpana, A.M. Dayal, 2012. Evaluation of hydrocarbon prospects using surface geochemical data with constraints from geological and geophysical observations in Jamnagar area, Saurashtra Basin, India. ***Journal of Petroleum Geology, 35, 1, 67-84, Wiley Blackwell.(IF=2.268)***

- ***Devleena Mani***, D.J.Patil, A.M.Dayal, 2011. Stable carbon isotope geochemistry of near surface adsorbed alkane gases in Saurashtra basin***. Chemical Geology, 280, 1-2, 144–153, Elsevier.(IF=3.36)***