

**Shraddha Band Postdoctoral Fellow (2018/06/01 - 2018/07/31)**

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**Education Qualifications****Doctor of Philosophy (Ph.D)**

Provisional Ph.D degree awarded on 13<sup>th</sup> April 2018

Thesis Topic : Multiproxy palaeoclimate studies in the Indian Region for the past 200ka; A synthesis

Supervisor : Prof. Rengaswamy Ramesh

Geosciences Division, Physical Research Laboratory, Ahmedabad.

Registered for Ph.D at M.S. University of Baroda

**Master of Science**

University : The Maharaja Sayajirao University of Baroda

Subject : Geology

Year : 2011

Percentage : 70

**Bachelor of Science**

University : Mumbai University

Subject : Geology

Year : 2009

Percentage : 80

**Research Experience**

Working as a Postdoctoral Fellow at Academia Sinica, Taipei, Taiwan (2018/06/01 - 2018/07/31)

Working as a Research Assistant at Academia Sinica, Taipei, Taiwan (From April 2017)

Worked as Senior Research Fellow at Physical Research Laboratory, Ahmedabad (from August 2011 to July 2016)

**Research Interests**

Paleomonsoon reconstruction, Impact of monsoon on ancient Indian civilization.

**Awards and scholarships**

Secured 23<sup>rd</sup> rank in CSIR National Eligibility Test (NET) held on June, 2011.

Qualified Physical Research Laboratory research Fellowship for PhD.

Won best oral presentation award in ISMAS-2014 (Indian society for mass spectrometry).

## **Publications**

**Band, S.**, Yadava, M.G., Lone, M.A., Shen, C.C., Sree, K. and Ramesh, R., 2018. High-resolution mid-Holocene Indian Summer Monsoon recorded in a stalagmite from the Kotumsar Cave, Central India. *Quaternary International*.

**Band, S.T.**, Yadava., M.G, and Ramesh. R., 2018. Monsoon climate and Marine Isotopic Stages over the Indian subcontinent during the last 200,000 years. (Book: Beyond stones and more stones, Defining Indian prehistoric Archeology, Volume 1, The mythic society, Primus Publishers, New Delhi )

Kumar, P.K., **Band, S.T.**, Ramesh, R. and Awasthi, N., 2018. Monsoon variability and upper ocean stratification during the last ~ 66 ka over the Andaman Sea: Inferences from the  $\delta^{18}\text{O}$  records of planktonic foraminifera. *Quaternary International*.

**Band, S.T.**, Yadava., M.G, and Ramesh. R. 2017, Stalagmites reveal past drought records. *Geography and You*, 16,96, 36-39

Ramesh. R, Boragaonkar. H, **Band, S.T.**, Yadava.M.G., 2017, Proxy Climatic Records of Past Monsoons. In book: Observed Climate Variability and Change over the Indian Region. DOI 10.1007/978-981-10-2531-0\_15

Awasthi, N., Ray, J.S., Singh, A.K., **Band, S.T.**, Rai, V.K., 2014. Provenance of the Late Quaternary sediments in the Andaman Sea: Implications for monsoon variability and ocean circulation. *Geochemistry, Geophys. Geosystems* 15, 3890–3906. doi:10.1002/2014GC005462

Sridhar, A., Bhushan, R., Balaji, D., **Band, S.**, Chamyal, L.S., 2016. Geochemical and Sr–Nd isotopic variations in palaeoflood deposits at mainstem–tributary junction, western India: Implications on late Holocene flood events. *CATENA* 139, 32–43. doi:10.1016/j.catena.2015.12.004

**Shraddha Band**, M.G.Yadava, Mahjoor lone, Chuan-Chou Shen, Sachin Gupta, and R.Ramesh, Holocene monsoon variability and its links to Greenland climate oscillations (under preparation)

**Shraddha Band**, M.G.Yadava, R.Ramesh, Nikita Kaushal, M. Midhun, Timmy Francis, Amzad Laskar, Gideon Henderson, Response of Indian Summer Monsoon during the last two Glacial periods, a study from stalagmite, Belum cave, India (Manuscript under preparation)

**Shraddha Band**, M.G.Yadava, Mahjoor lone, Chuan-Chou Shen, Sachin Gupta, and R.Ramesh, Impact of mid-Holocene aridification on central Indian civilization. (Manuscript under preparation)

## **Papers/Abstract in conference proceedings**

**Shraddha Band**, M.G.Yadava, Kaushik Sree R. Ramesh, V. J. Polyak and Y. Asmerom, High resolution precipitation records from a stalagmite of Kotumsar cave, Chhattisgarh. *28<sup>th</sup> ISMAS symposium cum workshop on mass spectrometry*, 2014, pp 264-265.

**S. Band**, A.H. Laskar, P. R. Lekshmy, M. Midhun, M. G. Yadava and R. Ramesh, Holocene monsoon variability derived from speleothems. Mini-symposium on reconciliation of Marine and Terrestrial records of summer monsoon variability during the Holocene, 80<sup>th</sup> INSA anniversary general meeting ,2014, page 4 .

**Shraddha T Band**, Madhusudan G Yadava, Kaushik Sree, R. Ramesh, Victor J Polyak and YemaneAsmerom, High-resolution monsoon reconstruction using an annually resolved stalagmite from Kotumsar cave, India, AGU fall meeting 2014.

**Shraddha Band**, M.G.Yadava, R.Ramesh, Sachin Gupta, V. J. Polyak and Y. Asmerom, Holocene Monsoon variability using stalagmite record from Dandak cave, India, Goldschmidtconference, Yokohama, 2016

Narayana Allu C, GautamPawan K, **Band Shraddha** , Yadava M G , Ramesh Rengaswamy, and Chuan-Chou Shen, High Resolution deglacial monsoon  $\delta^{18}\text{O}$  record from a new stalagmite from the Kailash Cave, Central India, Geophysical Research Abstracts Vol. 18, EGU2016-9006, 2016

### **Posters presented**

**Shraddha Band**, M.G.Yadava, Timmy Francis, Amzad Laskar, Nikita Kaushal, R.Ramesh, Gideon Henderson, High resolution precipitation records from a stalagmite of Belum Cave, India. Summer school on speleothem science. University of Oxford, 2015.