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**Shraddha Band**

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| Geosciences,  National Taiwan University | Mobile Number : 0905624373  Email: Shraddha.band@gmail.com |
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**Education Qualifications**

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

Provisional Ph.D degree awarded on 13th April 2018

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Geosciences Division, Physical Research Laboratory, Ahmedabad.

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

**Master of Science**

University : The MaharajaSayajirao University of Baroda

Subject : Geology

Year : 2011

**Bachelor of Science**

University : Mumbai University

Subject : Geology

Year : 2009

**Research Experience**

Post doctoral fellow at academia Sinica, Taipei, Taiwan, June-July 2018

Research assistant at academia Sinica, Taipei, Taiwan, 2017-2018

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

**Experimental and computer skill**

Experience on stable and clump Isotope Mass Spectrometry- MAT253 with Kiel carbonate, Delta V-plus with Gas bench.

Conventional Radiocarbon dating using Benzene extraction process followed by measurement on Quantulus Liquid Scintillation Counter.

Experience on Newwave Research Micromill machine, for high resolution carbonate extraction on stalagmite

Experience on identification and picking of planktonic foraminiferal species for stable isotope analysis.

Experience on preliminary chemical processing of speleothem sample for U-Th dating method.

**Softwares** : Corel draw, Ocean Data viewer, Sigmaplot, Stalage using R, Excel, COPRA using MATLAB

**Research Interests**

Paleomonsoon reconstruction, Impact of monsoon on ancient Indian civilization.

**Awards and scholarships**

Secured 23rd 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).

**Training school participated**

Participated in training program on ‘’climate science’’ sponsored by Divecha centre for climate change in January 2014, IIScBanglore.

Participated in summer school on “ Speleothem Science” held at University of Oxford on 23rd August 2015,Oxford,UK.

**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, DefiningIndian 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 δ 18 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. *28th 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, 80th 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, Goldscmidtconference,Yokohama, 2016

Narayana Allu C, GautamPawan K, **Band Shraddha** , Yadava M G , Ramesh Rengaswamy, and Chuan-Chou Shen, High Resolution deglacial monsoon δ18O 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.

**Personal details**

Nationality : Indian

Date of Birth : 13-03-1989

Sex : Female

Marital Status : Single

Languages known : Marathi, English, Hindi, Gujarati

**References**

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| Dr. M. G. Yadava | | Prof.L.S.Chamyal | |
| Scientist SF | | Senior Professor | |
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