

A joint IUGS-TecTask  
activity  
with University of Kerala

3 – 4 March, 2018

Organized by  
Dept of Geology  
University of Kerala, India

## TecTask

The Task Group on Tectonics and Structural Geology (TecTask) is a commission of IUGS. TecTask represents an initiative of Earth Scientists dedicated to stimulate communication and coordination within the international science community and to provide information to the public. The group encourages innovative research and continued education in structural geology and tectonics, the growth of intellectual capital and hence the impact of our science on the wealth of the global society.

TecTask reaches out to scientists and students, particularly those from developing countries, to share cutting edge research and development, and state-of-the-art training. Dialogue and cooperation is encouraged with non-academic organisations, industries and governmental bodies regarding applications of structural geology and tectonics to sustainable use of the world's natural resources, the preservation of the environment, and prevention of natural hazards.

## Invitation

You are cordially invited to the Current Trends in Earth System Sciences (CTESS) invited series of lectures by

Prof. Manish A. Mamtani



on

## ANALYSIS OF DEFORMED ROCKS USING ANISOTROPY OF MAGNETIC SUSCEPTIBILITY (AMS) – FUNDAMENTALS AND APPLICATIONS.

## Prof. Manish A. Mamtani

*Is from:* Department of Geology and Geophysics, IIT Kharagpur. His main research interest is Structural Geology. He has done his undergraduate, graduate and PhD studies at the MS University, Baroda (India) and University of Heidelberg (Germany). He is recipient of DAAD Fellowship, CSIR Fellowship, Alexander von Humboldt Research Fellowship, K.Naha Award for Structural Geology (Geological Society of India) National Geoscience Award etc.

*Established:* FABRIC ANALYSIS LABORATORY (FAL) in IIT Kharagpur. Has lead several projects funded by DST and MoES. Has lectured in Germany, France, Italy, Spain, Czech Republic, Austria besides at several Indian universities, including University of Kerala.

*Positions:* Vice Chair-IUGS Commission on Tectonics & Structural Geology (TecTask) (2016-2020). // Convenor-AGM of the Geological Society of India and seminar 'Developments in Geosciences in the Past Decade: Emerging trends for the Future and Impact on Society (2016; IIT Kharagpur). // Coordinator, IUGS-TecTask Workshops (2016; IIT Kharagpur). // Secretary (Hon.) Structural Geology and Tectonic Studies Group-India (SGTSGI). //National Coordinator IGC-2020 theme "Rock Deformation and Rheology"

## Programme

March 3, 2018 10:30 at Dept of Geology, University of Kerala Prof. Manish A.Mamtani

Lecture 1 : Introduction and Principles of AMS Applications in Structural Geology /Tectonics  
Lecture 2 & 3: AMS applications in Structural Geology /Tectonics

March 4, 2018 10:30 at Dept of Geology, University of Kerala Prof. Manish A. Mamtani

Lab hands-on: \* AMS sample preparation \* AMS analyses – the first steps.