

Brochure

Goa University
School of Earth, Ocean and Atmospheric Sciences
Webinar



Speaker:
Dr. T.A. Vishwanath
Retd. Assoc. Professor
Goa University



**Metamorphic rocks: deciphering the past from
the present, and everything in-between**


Webinar Link: <https://meet.google.com/hna-cjyj-pai>

11.00 a.m., 28th January 2022


Prof. C.U. Rivonkar
Senior Professor
Dean, SEOAS

Dr. Nicole Sequeira
Assistant Professor
Co-ordinator


Screenshots of the webinar:



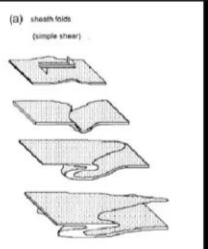
Leander, M.Sc. Dissertation



Vishwanath Jos




Leander, M.Sc. Dissertation

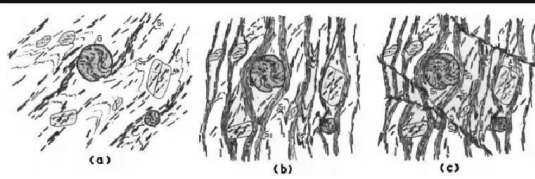


(a) shear folds
(simple shear)

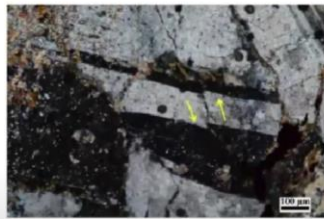
Field Geology of high Grade Gneiss
Terrains, Passchier and others, 1990



Vishwanath Jos




Textural evolution of a polymetamorphic schist. (a) Bedding (S_1) is folded and a planar foliation is formed during F_1 . Syntectonic rotational garnet (G). Post-tectonic albite (Ab). (b) A second phase produces a strong foliation S_2 , leaves S_1 as folded relics and obliterates S_1 . S_2 wraps around garnet and albite giving pressure shadows. (c) A third minor phase folds S_2 and produces a strain slip cleavage S_3 ; there is no crystal growth. *Spry Alan, Metamorphic Textures, 1969.*



REPORT ON WEBINAR METAMORPHIC ROCKS: DECIPHERING THE PAST FROM THE PRESENT, AND EVERYTHING IN-BETWEEN

Title of the event	Metamorphic rocks: deciphering the past from the present, and everything in-between
Date and time	28-01-2022 at 11.00am
Mode	Online
Department/School/Directorate	School of Earth Ocean and Atmospheric Sciences
Participants	56
Resource Person/s	Dr. T A Vishwanath
Faculty attended	11
Students attended	42
No of external participants	3
The objectives / description of the activity (50 words)	This talk focused on understanding meso- and micro scale features in metamorphic rocks and their importance in deciphering the tectonic evolution of an area with special attention to the Precambrian rocks of Goa.
Benefit/Key outcome of the event in terms of learning/skills/knowledge	The webinar exposed the students and faculty to several structures and petrological features of metamorphic rocks from different localities in Goa. The audience were also introduced to the basic concepts for deciphering the tectonic evolution from these data sets.


 Dr. C. U. Kivonker
 Senior Professor and Dean,
 School of Earth, Ocean
 & Atmospheric Sciences,
 Goa University,
 Goa - 403 206.