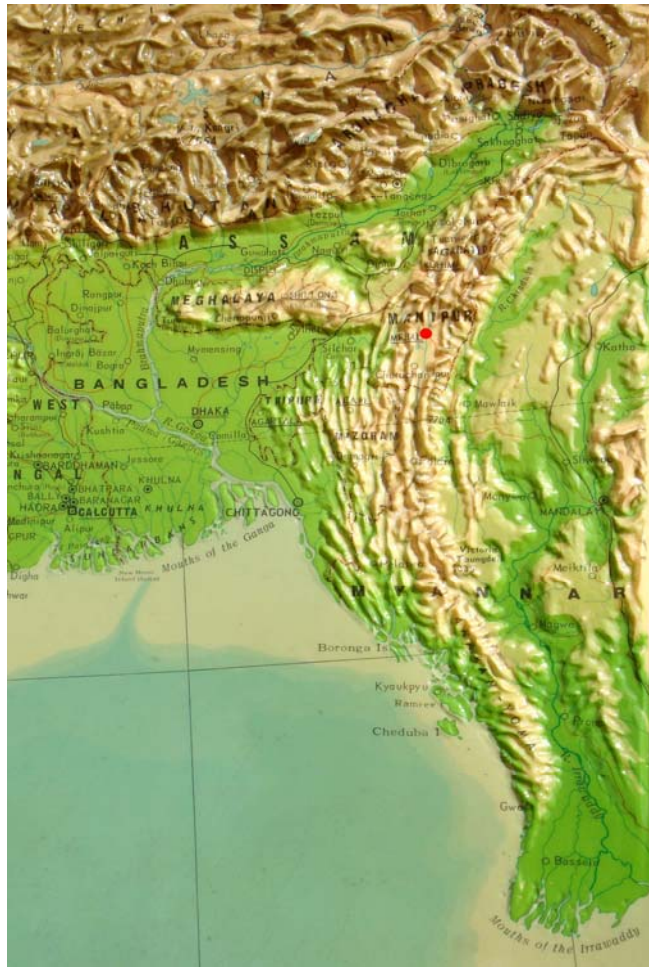


**Seminar**  
**on**  
**Indo-Myanmar Ranges in the Tectonic Framework of the**  
**Himalaya and Southeast Asia**  
November 27-29, 2008



*Organised by*  
**Department of Earth Sciences**  
**Manipur University, Canchipur**  
**Imphal - 795 003, Manipur (India)**

*Under the Aegis*  
*of*  
**Geological Society of India**  
**Bangalore - 560 019**

## **INTRODUCTION**

Tectonics is one of the most fast developing and evolving branches of geological sciences since the introduction of the concept of plate tectonics in the field of Earth Sciences. The entire gamut of geological sciences has been reviewed in the context of *this great unifying theory – plate tectonics*. Large regional to global structural features such as the mountain belts, mid-oceanic ridges, island arcs and trenches, seismic activity in the peripheral zones of plates are all drawn together by this theory. Even sedimentary basin formation and evolution, morphotectonics, petrogeochemical studies, etc. all seem to be redefined in the perspective of plate tectonics. For instance, what type of basins can be formed in various plate boundaries, what will be the characteristics of their basin-fills, and what type of igneous activities will occur in different plate margins are all related to the tectonic setting of that region. Indeed, it is one of the most thought-provoking theories ever introduced in the field of Earth System Sciences.

## **DEPARTMENT OF EARTH SCIENCES**

Department of Earth Sciences, Manipur University, was opened in the year 1984. Since its inception, the Department has been imparting post graduate teaching and research in the field of *Geological Sciences* leading to M.Sc. and Ph.D. degrees in Earth Sciences (Geology).

Beside normal teaching, the Department is actively involved in the research activities in the emerging fronts of the Earth System Sciences such as Earthquake monitoring, Geoenvironmental assessment, Geochemistry and Petrology, Crustal evolution and Tectonics, Geomorphic and Catchment studies, Geohydrologic appraisal, Sedimentological studies, Geotechnical studies, etc. A number of projects sponsored by both Central as well as State funding agencies have been successfully completed by the department. Although, it is one of the smallest department in the university, it has attracted financial assistance to the tune of few crores of rupees in the last 5-6 years from various funding agencies such as DST, AICTE, MEF, ISRO, DSTE Manipur etc. in the form of R & D projects. In 2001, the Department has been given financial assistance under the DST FIST (Level-I) programme. The department has also organized a number of Seminars and Conferences at the National as well as State level. Further, the department tries its best to provide the services needed by various public and private organization(s) and/or individual(s) of the region in various disciplines of Earth System Sciences.

## **MANIPUR STATE AND IMPHAL CITY**

Manipur is a small hilly state endowed with natural beauties situated in the Northeast India bordering with Union Socialist Republic of Myanmar (Burma). The state has both the beauties of the hill ranges, and plain in the form of a flat valley, called the Imphal Valley surrounded by lush green hill ranges in all directions. The valley has one of the largest freshwater lakes of the country called the Loktak Lake. It has a floating park called Keibul Lamjao National Park where one of the rare species of deer: Brow antlered deer (*Cervus eldi eldi*), locally called as “Sangai”, is found as its natural habitat. Manipur has her unique and rich cultural heritage especially in the form of Ras Lila and Mridanga Dance (Pung Cholom) quite popular and famous throughout the world.

Imphal, the capital of Manipur state, is a small city in the central part of the Imphal Valley well connected by daily flight services with Guwahati, Kolkata, Delhi, Hyderabad, Bangalore and other cities of the country. Besides, good daily Coach

Services are available between Shillong/Guwahati and Imphal via Dimapur and Kohima of Nagaland state. During November-December Imphal may be cold, temperature hovering around 10°C especially in the morning and night times. Hence participants may require light warm clothing.

## **THE SEMINAR**

Indo-Myanmar (Burma) Ranges (IMR) have a distinct entity in the tectonic framework of Eastern Himalaya and the Southeast Asia. The IMR, which is thought to be northern prolongation of the Indonesian island arc linking with the Himalaya possibly along the Tidding Suture Zone, is believed to have evolved due to subduction of the Indian plate below the Myanmar (Burma) plate. In the process, the range evolved as an accretionary prism of imbricate thrust system where obducted oceanic crust (ophiolites) has intermingled with the sediments. As a result, all geological, geophysical and tectonic features, unique and pertinent to a subduction plate boundary, are found in this range. In other words, the range is one of the best onland subduction plate boundary regions in the world serving as an ideal type area for both field and laboratory studies. In spite of all these interesting geological, geophysical and tectonic features, the region still remains as one of the least explored parts of the world. The seminar will definitely provide a forum to deliberate upon some of these aspects.

In this context, the Department of Earth Sciences, Manipur University, Imphal, under the aegis of the Geological Society of India as well as part of the Golden Jubilee Celebration of the Society, wishes to organize a seminar of national/international standing during 27-29 November, 2008.

## **FOCAL THEMES**

- Crustal evolution, deformation mechanisms and tectonics
- Earthquakes and other natural disasters
- Remote sensing and geoenvironment
- Basin analysis, paleontology and petroleum geology
- Petrology and economic potentials of the ophiolites and associated sediments
- Geoengineering and geophysical studies

## **CALL FOR ABSTRACTS/PAPERS**

Extended abstracts not exceeding 500 words are invited on the focal themes, which can be submitted to the Convener by e-mail or by post in hard copy on or before July 31, 2008. The abstracts and full text of the papers must be typed in doubled space on A-4 size paper preferably with a soft copy on CD in MS Word format as per the guidelines of the Journal of the Geological Society of India. Participants will require to submit two hard copies of the full text.

## **REGISTRATION**

Delegates are requested to send the enclosed *Registration Form* duly completed with a *Demand Draft* drawn in favour of the Convener, Seminar on Indo-Myanmar Ranges (IMR), payable at State Bank of India (SBI), Manipur University Campus Branch, Code: 5320 or SBI, Imphal Branch, Code: 0092.

## Registration Fee

Delegates:	Rs 1000/- (India); \$100 (Foreign)
Students/Scholars:	Rs 500/-
Accompanying member:	Rs 500/-

## IMPORTANT DATES

Sl. No.	Particulars	Dates
1	Registration and Abstract Submission	July 31, 2008
2	Final Registration and Payment of fees	September 30, 2008
3	Seminar	November 27-29, 2008
4	Submission of full paper	December 31, 2008
5	Publication of Seminar Proceedings	First half of 2009

## TRAVELING ALLOWANCES

Second class rail or bus fare may be given to some meritorious and needy research scholars/students depending on the availability of fund. Scholars/students may submit a forwarding letter from the Supervisor or Head of Dept. to the effect that he/she is not getting any financial assistance for attending the seminar.

## ACCOMMODATION AND TRANSPORT

Accommodation will be arranged in Hotels and University Guest House. Tariff in hotels ranges from Rs 300/- to 2000/- per day. Delegates are requested to confirm their participation latest by October 15, 2008.

Transportation will be provided from hotels to venue of the seminar. Details will be given later to the confirmed participants.

## FIELD TRIP

A post seminar *Field Trip* to the *Ophiolite Belt*, which is one of the best exposed sections of the belt along National Highway-39, Imphal-Moreh road may be arranged on November 30, 2008 depending upon the number of interested participants. A fee of Rs 500/- per head may be required for the trip. Details will be provided at the time of the seminar.

## ORGANIZING COMMITTEE

**Patrons:** Dr. P.S. Goyal, Secretary, Ministry of Earth Sciences, GOI  
Prof. C. Amuba Singh, Vice-Chancellor, Manipur University  
Dr. Harsh K. Gupta, President, Geological Society of India

**Convener:** Dr. Soibam Ibotombi

**Chairman:** Prof. Arun Kumar

**Members:** Dr. R.A.S. Kushwaha, Y. Raghumani Singh, Dr. O. Geeta Devi, Shri Ch. Mangi Khuman

**Advisory Committee:**

Dr. B.R. Arora, Dr. V. Balaram, Dr. V.P. Dimri, Prof. A.K. Gupta, Prof. A.K. Jain, Dr. M. Prithviraj, Prof. Ashok Sahani, Prof. S.N. Sarkar , Shri R.H. Sawkar, Shri S.V. Srikantia, Prof. S.K. Tandon, Shri P.M. Tejale, Dr. V.C. Thakur, Prof. G.T. Thong,

**Correspondence:**

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Please visit: <http://manipuruniv.ac.in>

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on  
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Southeast Asia**  
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**REGISTRATION FORM**

1. Name (block letters): \_\_\_\_\_

2. Affiliation: \_\_\_\_\_

3. Address for Correspondence: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_, Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

4. Participation Details:

a) Abstract Submitted: Yes/No

b) Name of Presenting Author: \_\_\_\_\_

c) Title of the Paper: \_\_\_\_\_

\_\_\_\_\_

5. Registration fee enclosed: Yes/No

DD No: \_\_\_\_\_, Date: \_\_\_\_\_

Rs \_\_\_\_\_

6. Accommodation Required: Yes/No

University Guest House

Hotels  Preferred tariff range, Rs \_\_\_\_\_

7. Interested in Field Trip: Yes/No

Date: \_\_\_\_\_

Signature of Participant

(Photocopy of this form may be used)