Department of Studies in Earth Science

Centre for Advanced Studies in Precambrian Geology

The Department of Studies in Earth Science (earlier as Department of Geology) was started in the year 1960 under the stewardship of late Professor M. N. Vishwanathaiah. Now this Department has blossomed into a prestigious Center of Earth Sciences Studies in the country. The Department has completed 50 years in 2011-12 and to commemorate this, the golden jubilee celebration of the department was held with a National workshop on "Recent Advances in Sedimentary basins and associated mineral deposits of India". This event was also synchronized with the 90th birth anniversary of Prof. M. N. Vishwanathaiah and Alumni meet. At present the Department is offering three post graduate courses like M.Sc., Geology, Applied Geology, Earth Science and Resource Management, each of 2 years duration. Since its inception the Department was recognized for its research contributions in four major thrust areas in Earth Science, viz., 1. Igneous and Metamorphic petrology, Geochemistry and Economic geology, 2.Experimental studies pertaining to simulation of various geochemical processes, construction of high P-T phase diagrams, synthesis of minerals and polyscale materials having industrial applications. 3. Stratigraphy, Sedimentology, Micropaleontology and Palynological studies. 4. Hydrogeology, Remote Sensing and GIS applications in ground water and mineral explorations. The research contributions in the above mentioned major thrust areas was sponsored by UGC-SAP (DSA) I to IV phase starting from 1979 to 2011.UGC gave approval for the continuation of the program at the level of DSA IV to CAS-I for a period of FIVE years from 1-4-2013 to31-03-2018 and the department has been recognized as Centre for Advanced Studies in Precambrian Geology and sanctioned grants of Rs.1.5 crores. Besides, COSIST and DST- FIST programs and several national research projects were awarded by UGC, DST, DAE-BRNS, CSIR, ISRO, UOM, Manoj Jain Trust, MUDA, NRSA etc. and generated resource to the tune of Rs.4.6 crores and Rs.7.00 Lakhs by consultancy and sponsored programs. During 2013, Ministry of Human Resource Development through UGC sanctioned two projects viz. e-PG Pathashala in Earth Science and Applied Geology with grants of Rs. 2.24 crores to create multimedia teaching-learning resource. Many of the Department faculty has also carried out collaborative International research programs with prestigious institutions in USA, Japan, Soviet Union, France, Germany, UK, Taiwan, China and Thailand.

University of Mysore

The University of Mysore was established on 27th July, 1916 during the benevolent reign of Nalvadi Krishnaraja Wodeyar-IV and under the stewardship of Sir M. Visvesvaraya, then Dewan of Mysore. The University, since then, has gone through different phases of development. With the support of UGC, which came into existence in 1956, post-graduate education was expanded significantly. In 1960, a major development was the conglomeration of all the post-graduate studies of the University at one location christened as "Manasagangotri". Today the University has 42 Postgraduate Departments at the Main Campus, Manasagangotri, 2 Postgraduate Centres at Mandya, Hassan and one Satellite Centre at Chamarajanagar. It is providing higher education to about 85000 students, of which over 10,000 are Postgraduates. As many as 1400 students are from 50 countries pursuing higher studies in this University. In 2000, the University of Mysore was first accredited by National Assessment and Accreditation Council (NAAC) with Five Star and has been reaccredited in 2006 & 2013 at A+ grade. Current Science has ranked the University of Mysore as one of the top 20 Universities in Scientific and Research activities. Considering the progress of the University in all directions and its contributions to the society, the Ministry of Human Resource Development, Government of India has considered University of Mysore as 'Institution of Excellence' and has awarded special grant of Rs.100 Crores for establishing Centre of Excellence in -Biodiversity, Bioprospecting and Sustainable Development" and also to strengthen infrastructural facilities in the University. On recommendation of Karnataka Knowledge Commission, the Karnataka Government considered University of Mysore as an "Innovative University". University of Mysore is recipient of several research and other academic programs of UGC, CSIR, DST and DBT and other agencies of Govt. of India. It is pertinent to mention that very recently; UGC has awarded University of Mysore - University with Potential for Excellence (UPE) and has extended financial assistance of Rs.55 Crores.

Extended Abstracts and Full Papers

The authors are requested to submit Extended Abstracts of research papers up to two pages of A4 size in MS-word format to the Convener through e-mail to **madeshgeo.2008@rediffmail.com** on or before 10th March 2015. Selected peer-reviewed papers will be published in the Journal "The Indian Mineralogist" volume no.49 (2) to be brought out in July 2015

Registration Fees

Fellows of MSI	Rs.700/-	General Delegates	Rs.900/-
Research Scholars	Rs.500/-	PG Students	Rs.300/-

Deadlines and Key dates

Receipt of Registration Forms and Abstracts : March 10, 2015
Issue of Acceptance of Abstracts : March 15, 2015
Submission of Full papers : March 31, 2015

Address for Correspondence

Prof. P. Madesha
Convener
XIV Convention of MSI & National Seminar
Centre for Advanced Studies in Precambrian Geology,
DOS in Earth Science, University of Mysore,
Manasagangotri, Mysore
E-Mail: madeshgeo.2008@rediffmail.com
Ph: 9448554576, 0821-2419425/435/722

UNIVERSITY OF MYSORE

XIVMSI - 2015

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Call for Papers

XIV Convention of Mineralogical Society of India & National Seminar

on

Recent Advances in Research on

Precambrian Terrains in India

31st March 2015

Organized by

Department of Studies in Earth Science
Centre for Advanced Studies in
Precambrian Geology,
University of Mysore, Manasagangothri
Mysuru - 570 006

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Objectives

The Precambrian terrains of India contain a variety of igneous, sedimentary and metamorphic rocks ranging in age from Archaean to Proterozoic times. The rocks exhibit varied geochemical characteristics and structural styles. They show contrasting metamorphic P-T-t paths, suggesting their complex burial and exhumation history. Most of the economically viable metalliferous deposits, including the radioactive minerals are confined to Precambrian terrain. Experimental mineralogical studies are necessary to simulate various geochemical processes pertaining to Precambrian terrain. Synthesis and characterization of some of the technologically important poly scale mineral and their analogues by tailoring them to suite the modern industrial needs. Paleobiological studies are essential to understand life during Precambrian age as well as in knowing the paleoclimatic conditions of sedimentary basins. Identification of different types of aquifers holding groundwater in large tract of Precambrian terrain and their contamination posses serious problems to the mankind. Remote Sensing and GIS techniques have been considered as essential modern tools in mineral and ground water explorations to delineate the mineralized and ground water potential zones.

In a series of National Workshop/Seminars to be organized under UGC-CAS-I program sanctioned to our department this is the 2nd National Seminar Recent Advances in Research on Precambrian Terrains in India synchronizing with XIV Convention of Mineralogical Society of India is being organized by the department on 31st March 2015. The main objective of the national seminar is to bring together Earth Scientists from different organizations working on the various problems related to study of Precambrian terrains and to discuss the recent advances in research in Precambrian Terrains. It is also aimed to identify gaps in our knowledge in the study of Precambrian rocks for the benefit of M.Sc., students of Geology/Applied Geology/Earth Science, Research scholars and young Geoscientists of the country.

Scientific Session

The organizing committee of the Department has decided to hold the one day National Seminar on ***"Recent Advances in Research on Precambrian Terrains in India"*** on 31st March 2015. The scientific contributions related to Precambrian Geology of India will be delivered on following sub themes in the National Seminar:

Sub-Themes

1. **Magmatism, Tectonics and Metamorphism**
2. **Mineral Deposits including nuclear minerals**
3. **Experimental Mineralogy & Material synthesis**
4. **Stratigraphy, Paleontology & Sedimentology**
5. **Ground water – Exploration and Development**
6. **Applications of RS & GIS**
7. **Disaster Management**

The Mineralogical Society of India

Internationally-acclaimed Mineralogical Society of India (MSI) affiliated to the International Mineralogical Association, was established in 1959 by Prof.P.R.Jagapathi Naidu and became the founder President of MSI and started the journal "The Indian Mineralogist" as the flagship publication of the society which publishes original research papers in crystallography, mineralogy petrology and allied subjects after peer-review half-yearly as one volume with two issues in a year. The head quarter of the society was the Department of Geology and Geophysics, Madras. Later the MSI has been shifted to the DoS in Geology, University of Mysore, Manasagangotri, Mysore by Prof.M.N.Vishwanathiah, who was the Head of this Department in 1965 and served as the secretary, editor and president of the society. It was re-registered under the Karnataka society's Act at Mysore and the new Executive council in 1997 was reconstituted with Prof.C.Naganna as the President, Prof.A.M.Pathan, Prof.B.Mahabaleshwar and Prof.A.S.Janardhan as the Vice-presidents, Prof. P.N.Satish as the Secretary and Prof.S.Govindaiah as the Joint Secretary, Prof.C.Srikantappa as the Treasurer and Prof.S.Sathyanarayana as the Editor.

The membership of the society consists of Fellows, Life Fellows, Foreign members, Patrons, Institutional Members and Donors. Fellows are elected every year by the council. The academic activities of the Society have been appreciated by the Department of Science and Technology, New Delhi and have provided financial assistance to support the publication of 'The Indian Mineralogist'. Endowment funds are established in the Society to award the Prof.P.R.J.Naidu, Prof. C.Naganna Gold Medals and Endowment Lecture as well as Prof.S.M. Ramananda Setty award.These medals and awards have been presented during the Annual General Meeting (AGM) of the Society to be held at different parts of the country, generally coinciding with the National seminars.Holding of Annual Conventions of MSI was initiated first by Prof.A.M.Pathan, the Vice-chancellor of Karnatak University, Dharwad and Prof.V.C.Chavadi, Dept. of Geology, Karnatak University, Dharwad during 1997. So far 13 annual conventions of MSI synchronizing with the national/international seminars were organized by Geology/Earth Science departments in the country. Prof.C.Srikantappa has been elected as the IMA council correspondent for "Commission on Applied Mineralogy, sub-commission on Advanced Ceramics and Glasses" as well as for Mineral Equilibria. The year 2009-10 was very significant to the society since it was a year of its Golden Jubilee. As a part of these celebrations of the Golden Jubilee, Dept. of Atomic Energy, AMDER, Hyderabad,Dept. of Geology of Anna University, Chennai, Nanded Education Society's P.G centre, Dept. of Earth Science, SRTM University, Maharashtra, Dept. of Mineral Processing, Nandihalli-Sandur, Gulbarga University's PG centre had organized a National Seminars.The DoS in Earth Science, University of Mysore, Mysore had organized the final golden jubilee celebrations of the MSI, synchronizing with the National seminar on "Recent Advances in Mineral Sciences and Their Applications" from 17th-18th March 2011 with Prof.C.Srikantappa and Prof. S.Govindaiah as the Convenors. The DoS in Earth Science, University of Mysore, Mysore had organized the XIII Convention of MSI and National Seminar on "Current Trends of Research in Precambrian Geology and Vision-2020" on 20th -21st March 2013, with Prof.B.Basavalingu as the convener, Prof. S.Govindaiah and Prof. H.T.Basavarajappa as the co-conveners. Indian Mineralogist v.48, no.1was brought out as Prof.C.Naganna volume and v.48, no.2 as Prof.C.Srikantappa volume which contain the selected papers presented during this seminar.