

### **Kakatiya University:**

Kakatiya University was established in 1976 and is accredited with 'A' grade by the NAAC in 2017. Ever since its establishment, the University has been making great strides in achieving academic excellence.

### **Department of Geology:**

The Department of Geology was established in the year 1989 and is catering to the needs of Earth Science in the north Telangana region of the State. The department is identified by DST-FIST. In the recent past the faculty has attracted number of research projects from national and state funding agencies. Presently the Department offers post graduation in Geology apart from PhD Program in Geology. The B.Sc., Geology is offered in Univ. Arts and science college, Hanamkonda which is one of the constituent college of KU.

### **Call for papers:**

The organizers request the submission of abstract of papers before 20<sup>th</sup> of January 2018. Key note lectures will be published along with the Abstracts in the Abstract volume of the Seminar. Authors are invited to submit their abstracts for oral/Poster presentation not exceeding 500 words typed in MS word, font size 12, Times New Roman with 1.5 line spacing.

### **Registration:**

Delegates : Rs.1000/-

Research scholars and students : Rs.500/-

For hotel accommodation, contact seminar Director.

The soft copy of the abstract should be sent to the E-Mail: [mallikragi@gmail.com](mailto:mallikragi@gmail.com) on or before 20<sup>th</sup> January 2018.

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## **National Seminar**

**On**

**“Challenges in the Development of  
Earth Resources—A Geological,  
Geochemical and Geophysical  
Appraisal”**

**Feb, 23<sup>rd</sup>-24<sup>th</sup>, 2018.**



**Organised by**

**Department of Geology**  
**Kakatiya University**  
**Warangal, Telangana state.**

Earth resources circles around metals, non-metals, fuel minerals and groundwater. There is a large resource base constrained with various challenges particularly with regard to iron ore, bauxite, chromium, manganese, barites, rare metals and fuels. The mineral potential of our country employs over 5 lakhs workers. Of the 90 minerals produced in India, 4 fuel minerals, 11 metallic, 52 non metallic and 23 minor minerals account for over 2.4% of GDP. The data of mineral resources as per UNFC is compiled and maintained by Indian Bureau of Mines.

The national programmes envisaged by union government viz, the National Geochemical and Geophysical Mapping programme, National Geomorphological and Lineament Mapping, Hyperspectral Mapping, Airborne surveys, Heliborne survey, Aeromagnetic survey, Marine and Coastal surveys brought out all the knowledge of earth sciences which is an interdisciplinary. Renewing and updating the knowledge of Geoscience is the essential ingredient particularly in addressing the domain of development of Earth Resources.

Contributions to the Geology of India especially Telangana Area was made by number of workers since 1857 through geological reports by GSI, Sir William King —Cuddapah, Kurnool, Gondwana groups Robert Bruce Foote, Sir Oldham, AL Coulson, CSFox etc( 1881 to 1933) Dr. C. Mahadevan1940, Sir. Kurshid Mirza1943 NVBS Dutt1974, Purana Basins of India 1987, Contributions of AMD, NGRI, CGWB, NRSC TSDMG, TSGWB etc. and further number of workers have published on various aspects of crustal evolution and metallogeny.

Given the availability of metallic and non-metallic industrial minerals, fuel minerals and groundwater, if the challenges are methodically solved there is a huge potential to promote and develop mineral-based industries and groundwater potential of our country more so in Telangana, a new born state

The mineral policy of the state is supportive and definitely a symbol of credibility in respect of scientific and technical temperament and entrepreneurship. The state offers an investor-friendly environment and welcomes Indian and multinational investments in mineral-based industries and attracts FDI.

With the abundance of data generated by different organizations, research institutes and Universities in the study of earth resources application of user friendly technology in prospecting and exploration and geoscientific appraisal needs to be properly addressed.

Geo Science knowledge, vested with the Institutes of higher learning, in its totality, asserts meaningful and purposeful studies in identifying target areas for the evaluation programmes. Research and training, develop qualified human resource particularly in the field of Geo-Sciences. Effective linkage between institutions, R & D organisations and Government establishments is essential in this regard.

In view of the entry of number of MNC's in the field of Mineral/oil exploration, the scope of the subject has exponentially increased and the recent developments in the recruitment methodologies is the testimony to this effect.

The prime objective of the Seminar is to provide a common platform for the geoscientists to disseminate their knowledge and ventilate their ideas about future scope of different fields of earth

science. The need of the hour is to improve the input of the subject or change the approach of the subject depending upon the requirement of the industry and government bodies. It is aimed to provide a feed back to the concerned who are involved not only in shaping young professionals but also to the future requirements of the nation. Key note speakers will deliver expert lectures.

#### **Themes of the Work shop :**

1. General Geosciences.
2. Petrology & Geochemistry.
3. Energy Resources (Coal, oil & gas and atomic minerals)
4. Mineral Resources, and Environment
5. Remote sensing and GIS
6. Decorative and dimensional stones
7. Fuel Minerals, Exploration
8. Groundwater Exploration, management and quality.

#### **Warangal :**

The Kakatiya University is located in the historical town of Warangal, the pivotal centre of academic development of Telangana State. Warangal was the capital of erstwhile Kakatiya rulers. Warangal / Kazipet are well connected by rail with all cities in India. The nearest airport is Rajiv Gandhi International Airport at Shamshabad, Hyderabad, which is 150 km. away from Warangal. The climate during Jan/March is moderately warm and pleasant in the night.

The historical city of Warangal is a tourism hub of Kakatiya dynasty bestowed with number of must see important tourism centers viz. the Thousand Pillar Temple, Ramappa Temple, the Bhadrakali Temple and the Warangal Fort etc.