

PROF. MOKKA JAGANNADHA RAO

M.Sc. (Tech), MS (USA), Ph.D., SME (USA)

Vice - Chancellor, Adikavi Nannaya University,
Rajamahendravaram-533296.

Address:

Adikavi Nannaya University,
Administrative Block,
VC Peshi, Rajamahendravaram-533296
PS to VC Mobile: +91 8179556392
Phone No: 0883 2566002
Email: vc@aknu.edu.in
vcnannaya@gmail.com

Vision:

The Adikavi Nannaya University, Rajamahendravaram, should become a world class centre for teaching, research, training and consultancy in Engineering, Science, Technology and allied fields with extensive industry partnership and international presence. My Vision is to see that this Institute should be the International Institute of Choice for education, Research, training and consultancy. The University will be driven forward to create human resources of eminence to positively contribute towards the generation of knowledge and social commitment through humanism and tolerance, for reason, for adventure of ideas, and for the search of truth. Hence the Institute would therefore seek to ensure the development of centre of world-class education infrastructure, provide access to research-enabled learning, and integrate Nation-building with Academic Excellence in advanced studies.

Education:

1985	Ph. D (Coastal Geology) Andhra University, A.P.	---
1995	M.S. Engg. (Mineral Preparation & Geological Engineering), University of Alaska, USA.	3.75 GPA On 4.0 Scale
1989	P.G. Diploma (Applied Statistics) Andhra University, A.P.	First Class with Distinction
1981	M.Sc. Tech (Applied Geology) Andhra University, A.P.	First class with Distinction II RANK
1978	B. Sc. (Geology, Physics, Chemistry) Andhra University, A.P.	First Class

Core Specializations:

Coastal Geology, Deltas, Mineral Resources and Processing, Petroleum Exploration, Coal, Environmental Geology, Computer, Applications Groundwater, Remote Sensing and GIS, Natural materials, Earth's Evolution.

Professional Experience:

1986-1998	Assistant professor of Geology
1998-2006	Associate professor of Geology
2006-till date	Professor of Geology

Administrative Positions:

Held Earlier

Director 2018-till date	Information Management Centre, Andhra University, Visakhapatnam, AP
HOD 2019- till date	Department of Geology, Andhra University, Visakhapatnam, AP
Dean 2019- till date	PG & Professional Examinations, Andhra University, AP
Chairman 2012-till date	Board of Studies, Dept. of Geosciences, Ambedkar University, Srikakulam, AP

Director 2005-2009	International Students Affairs, Andhra University, AP
-----------------------	--

- Implemented strategies to attract international students to the campus for the first time.
- Earned considerable foreign exchange by way of International admissions.
- Laid strong foundation to sustain the flow of International students to the campus by the way of signing MoUs' with various Nations and International institutions.
- Developed required infrastructure including International students' hostels.

Director 2010-2014	Delta Studies Institute, Andhra University, Visakhapatnam, AP
-----------------------	--

- Implemented aggressive strategies to make the institute as National institute of research in petroleum science and technology.
- Established strong collaboration with ONGC and attracted funding in the form of consultancy projects and research projects.
- Strengthened M. Tech. Programs in petroleum exploration and production.
- Conducted workshops, seminars and training programs in in the field of petroleum science and technology in collaboration with ONGC, which made the institute nationally visible.

Subjects Taught at Masters' Level:

Mineral Exploration, Coal Geology, Petroleum Geology, Economic Geology, Mineral Processing, Geochemistry, Statistical Geology, Computer Applications in Geoscience.

Patent:

Title: An Inventive Model that explains the Genesis of Bay of Bengal and Arabian Sea.

Ref ID: NRDC/IPFC/VSP/PA/031/2018

This patent has been filed, with the funding of
NRDC, Government of India, New Delhi.

International Exposure:

Visited the University of Alaska, Fairbanks, USA and spent nearly two and half years as Graduate Research Assistant and worked with Prof. Daniel E. Walsh at the

Mineral Industry Research Lab on “The development of environmentally friendly Coal Water Fuels (CWF’s)”. Also worked on the project.

Research Outcome:

Ph. D Guidance	29- Awarded 08- Ongoing
M. Sc./ M. Tech Projects Guidance	Nearly 80
Research and Consultancy Projects	08
Publications	76 (Published in Journals) 30 (presented in National and International Seminars)

Earlier Selections:

1. Civil Services, Group B Service, UPSC Exam, 1985.
2. Geologists Exam, All India 11th Rank, UPSC Exam, 1983.

Funded Projects as PI:

Funded by	Area of Research
DOD (Rs. 10.66 L)	Placer Mineral Deposits, AP and Orissa.
APMDC-DMRTUF (Rs. 13.00 L)	Exploration of Bauxite Deposits of EGMB, Andhra Pradesh.
DST (Rs. 12.00 L)	Geochemistry and Ore Mineralogy of Placer Ilmenites, AP.
UGC (Rs. 5.5 L)	Zeolite synthesis from coal fly ash
MoES (Rs. 12.00 L)	Localization of Placer mineral deposits, Bhimunipatnam-Itchapuram, AP.
ISRO (Rs. 10 L)	CBM migration and accumulation in Godavari Valley Coal Basin, using RS and Field Studies.

Major Consultancy Projects Handled:

- Studies on Holocene Evolution of Mahanadi Delta- Rs 85-00 lakhs, 2010-2013, Funded by ONGC.
- Studies on Land Subsidence due to Hydrocarbon exploration and exploitation at KG-PG Basin, AP using Remote Sensing and Field studies. Rs 1.2 Crore, 2013, Funded by ONGC.

National Seminars etc. Conducted:

Seminars	03
Workshops (Petrofest)	04
Training Programs	05

Google Scholars Citations: (upto Sep, 2019)

Web link:-

<https://scholar.google.com/citations?user=0bHf9hcAAAAJ>

	All	Since 2014
Citations	170	113
h-index	8	6
i10-index	7	3

Collaborative Ties: (International)

1. CSIRO, Petroleum, Australia, Prof. N. Sherwood, Fluorescence Alteration of Multiple Macerals, (FAMM) Studies.

2. Mineral Industry Research Labs. U.A.F Alaska, U.S.A. – Prof. D.E. Walsh

The main objective of this project is to upgrade the low rank coals of Tertiary age with special emphasis on moisture reduction using hot water drying (HWD) technique. Also emphasis is given to develop environmentally friendly coal water fuels (CWF’s) from HWD product.

Honours & Appointments:

1. Member, Advisory Board on KG-PG Basin, ONGC, Chennai-2011-2014.
2. Associate Editor, Indian Journal of Environment and Eco planning.
3. Member, International Geological Correlation Group, National Working Group, Environmental Catastrophes.
4. Member, NAAC Steering Committee.
5. Management Board Member of a Number of Educational Institutions of AP and Telangana.
6. “Scientist of the year 2017”, by National Environmental Science Academy (NESAC), New Delhi.
7. “Dr. Sarvepalle Radha Krishnan Award, Best Academician of the year 2019”, by Andhra University.
8. Member, Expert Committee appointed by APPCB, Govt. of AP.

International Visits:

- University of Alaska, Fairbanks, USA.
- Washington State University, Pullman, Seattle, USA.

Future Research and Administrative Plans:

Wish to continue my advanced research activity on the aspects of Coastal Geology (Deltas and near shore sedimentation), Placer deposits of East Coast of India, Environmental Geology and Mineral Resources, research topics of Industrial applications like material science of natural materials, synthesis of zeolites from fly ash, new and innovative Environmental friendly, Mineral Beneficiation Techniques and Computer Simulation and Modeling of Geo Environmental Problems, Petroleum Exploration and Regional Geology.