

# CURRICULAM-VITAE



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Name : **PROF. RAGI. MALLIKARJUNA REDDY**

Father's Name : R. Devender Reddy

Date of Birth : 22-08-1969

Designation : Professor of Geology

Address: Department of Geology, Kakatiya University,  
Warangal, Telangana-506009, India.

➤ **Educational Qualifications :**

Course	Year of Passing	% Of Marks	Division / Rank	Institution
Ph.D	1999	---	---	Kakatiya University, Warangal
M.Sc. (Geology)	1991	75%	I Class with Distinction II Rank	Kakatiya University, Warangal.
B.Sc. (Geology, Botany, Chemistry)	1989	67%	I Class	N.B. Science College, O.U. Hyderabad.

➤ **Ph.D. Topic :** “Petrochemical and Petrogenetic studies on the Alkaline Belt of Kunduluru, Khammam District, Andhra Pradesh”.

➤ **Research Publications :**

1. Godavari River Belt-Nepheline gneisses revisited : A case History of Nephelinite Magmatism in the Bastar Alkaline Province of India, Indian Journal of Geochemistry. 19: 145-166; 2004.
2. Hydrochemistry and classification of Groundwaters at Gajwel, Medak District, A.P. India. Journal of Ecology Environment and Conservation. Vol.14 pp.571-578, 2008.
3. Preliminary Investigations of Groundwater quality in Hyderabad City, Andhra Pradesh, India. International Journal of Chemical Sciences.7 (1) pp.59-70.2009.
4. Assessment of groundwater quality for Agriculture in Gajwel, A.P., India, Nature Environment and Pollution Technology. Vol.8 No.3 pp.407-416.2009.
5. Assessment of Groundwater quality of Narayanpur by correlation technique, Journal of Environment Research and Development. Vol.04 No.03 Jan –Mar 2010, pp.758-769.
6. Ground water quality assessment of Wailpalli, Nalgonda District, Andhra Pradesh, India, Indian journal of Environmental sciences 15 (1) 2011 pp.69-76.
7. Ferrosyenites from the Cuddapah Intrusive Province (CIP) of Peninsular India, International journal of earth sciences and engineering. Volume 10, No. 01, February 2017, P.P. 100-105.
8. Petrography of ferrosyenites from the Cuddapah intrusive Province, Peninsular India. International journal of earth sciences and engineering. Volume 10, No. 02, April 2017, P.P. 506-512.
9. Petrogenetic significance in the relationship between Nepheline syenite and Shonkinite of Elchuru alkaline complex, Cuddapah intrusive province, Andhra Pradesh, India. International journal of earth sciences and engineering. Volume 10, No. 03, June 2017, P.P. 506-512.
10. Field and Petrographic studies on the granites of the Huzurabad area, Karimnagar district, Southern India. International journal of earth sciences and engineering. Volume 10, No. 06, December 2017, P.P.1168-1170.
11. REE- bearing Quartz Syenite from Purimetla Alkaline Complex, Cuddapah Intrusive Province, Peninsular India. Earth Science India. Volume 11 (I), January, 2018, pp. 1-10..
12. Ferrosyenites - an overview. J. Ind. Geophys. Union, Volume.22, no.2, pp: 178-186, March 2018
13. Quartz syenites from the Prakasam alkaline province, Southern India; A comparative study with special emphasis on their rare earth element contents J. Ind. Geophys. Union September 2018, V.22, No.5, pp: 507-517

14. Nepheline syenite: A potential alternative for feldspar in the mineral industry- A case study from SE India J.Ind.Geophys. Union, March 2020, V.24(2) (2020), pp: 33-38
15. Pharmacological Evaluation of the Impact of Fluoride-Contaminated Drinking Water on Brain Cognitive Function and Bone Health in Nalgonda and Warangal Rural Districts of Telangana in India. International Journal of Pharmaceutical Sciences and Nanotechnology, (IJPSN) V.13 • Issue 4 • July – August 2020 PP:5036-5046.
16. Minor Layered Anorthosites from Khammam Schist Belt, Peninsular India: A Comprehensive Geochemical Comparative Study. J.Ind.Geophys. Union, 24(4) (2020), 25-39.
17. Geochemical signatures of the Meso Proterozoic shoshonitic plutons of rift setting, Eastern Dharwar Craton: implications for asthenospheric melts and metasomatised mantle beneath the Cuddapah Intrusive Province, Southern India. Indian Journal of Geosciences, Volume 74, No.2, April - June, 2020; pp. 95-123.
18. Impact Assessment of Artificial Recharge Structures on Kakatiya University Campus, Warangal Urban District, Telangana. Journal Geological Society of India, Volume.97, April 2021, pp. 375-384.
19. Assessment of groundwater quality with major focus on nitrate contamination in Mallampalli area, Mulug District, Telangana, Southern India. J. Ind. Geophys. Union, 25(4) (2021), 56-67.
20. Geochemical processes of groundwater for drinking purposes in Dharwar craton of Mallampalli area, Telangana, South India. International Journal of Energy and Water Resources, pp.1-14, <https://doi.org/10.1007/s42108-021-00146-0>, Springer

➤ **Participation / paper presentation in National Seminars/Workshops/International Conferences:**

- 1) National Symposium on Materials for development – 13<sup>th</sup> and 14<sup>th</sup> March 1993.Kakatiya University, Warangal, "A general survey on the coal fields of Andhra Pradesh."
- 2) "A Petrogenetic Model for the Kunduluru Alkaline gneiss belt, Khammam District, A.P." – National Seminar on Alkaline - Carbonatite Activities – their Geologic settings and associated Mineralisation – The Indian panorama.30-31, March 2002.National Seminar, Dept.of Geology Kakatiya University, Warangal.A.P.
- 3) National Seminar on emerging trends of Earth science in India., Dept.of Geology Kakatiya University, Warangal., A.P. 29<sup>th</sup> - 30<sup>th</sup> March 2008.
- 4) National Work shop on Geo-Resources, Dept. of Geology, Kakatiya University, Warangal., A.P. 30<sup>th</sup> March 2009.

- 5) International conference - AOGS-2011 – Taipei – Taiwan - 8<sup>th</sup> – 12<sup>th</sup> Aug 2011, “The Nephelinite – Phonolite lineage of the GRAB Alkaline belts of Andhra Pradesh, South India: A new Geochemical interpretation.”
- 6) National symposium on Recent Advances in Applied Geochemistry:current status and future trends-Indian society of Applied Geo Chemists (ISAG) -19-21 October 2011,AMD complex, Hyderabad.“The Miaskitic Alkaline rocks of the Kunavaram-Chinturu areas,Khammam District, Andhra Pradesh.”
- 7) National Seminar on Regional Planning and Resource Management: An Environmental Perspective: 2<sup>nd</sup> & 3<sup>rd</sup> March 2012, Department of Geography, Osmania University, Hyderabad. “Geomorphological and Geological mapping for Ground water prospects zoning in a part of Himalayan foot hill.”
- 8) International conference - 34<sup>th</sup> International Geological Congress (IGC): Australia - 5<sup>th</sup> - 10<sup>th</sup> Aug 2012, "Petrogenetic model for the Kunavaram - Kunduluru alkaline gneissic belt, Khammam district, Andhra Pradesh, India - a geochemical approach."
- 9) International conference - AOGS-2012 – Singapore - 13<sup>th</sup> – 17<sup>th</sup> Aug 2012, “ Invoking Continental Magmatism for the Alkaline Belt of Kunavaram - Kunduluru, Khammam District, Andhra Pradesh, India.”
- 10) National Seminar - National Symposium on Challenges of Mineral Development for Sustainable Growth of India's Mineral- Based Industries (With emphasis on Iron & Steel Sector).- Andhra University-Visakhapatnam-March 8-10, 2013." Rare Metal and Rare Earth Minerals In Alkaline Rocks".
- 11) International conference - Geological Society of America (GSA) - GSA Annual Meeting & Exposition 27-30 October 2013-Denver, Colorado,USA. " Groundwater prospects zoning in a part of Himalayan foot hill using GIS techniques, Uttarakhand, India.
- 12) International conference - Geological Society of America (GSA) - GSA Annual Meeting & Exposition 27-30 October 2013-Denver, Colorado,USA. "Petrological and Geochemical studies to identify Rare Metal and Rare Earth Rich Phases in the Alkaline Belts of Kunavaram and Kunduluru, Khammam District, Andhra Pradesh, India.
- 13) International conference - 35<sup>th</sup> International Geological Congress- 2016, Cape town, South Africa, 27<sup>th</sup> August – 2<sup>nd</sup> September 2016. "Meso-Proterozoic Miaskitic Alkaline Magmatism and its Manifestation in the Cuddapah Intrusive Province of Peninsular India: A petrological and geochemical study" .
- 14) National Seminar on Challenges and Opportunities for Sustainable Development of Mineral and Fossil Energy Resources- 24<sup>th</sup> and 25<sup>th</sup> March, 2017. Andhra University, Visakhapatnam,

"Geochemistry and petrogenesis of Gokanakonda ferrosyenites from the Settupalle alkaline complex, Cuddapah intrusive province, peninsular India".

- 15) National seminar on "Strategic trends and Future perspectives in the Development of Natural Resources of Telangana State- a Geoscientific approach" on 30 - 31<sup>st</sup> March 2017. Dept. of Geology, Kakatiya University, Warangal, "Petrogenetic relationship of Nepheline syenite with Shonkinite of Elchuru Alkaline complex, Cuddapah intrusive province, A.P.
- 16) National seminar on "Strategic trends and Future perspectives in the Development of Natural Resources of Telangana State- a Geoscientific approach" on 30 - 31<sup>st</sup> March 2017. Dept. of Geology, Kakatiya University, Warangal, " Mineralogy and Textural Features of Ferrosyenites from the Cuddapah Intrusive Province, Peninsular India".
- 17) National seminar on "Strategic trends and Future perspectives in the Development of Natural Resources of Telangana State- a Geoscientific approach" on 30 - 31<sup>st</sup> March 2017. Dept. of Geology, Kakatiya University, Warangal, " Petrology and Geochemistry of mafic dykes of Elchuru alkaline pluton, Cuddapah intrusive province, Andhra Pradesh. India".
- 18) National seminar on "Strategic trends and Future perspectives in the Development of Natural Resources of Telangana State- a Geoscientific approach" on 30 - 31<sup>st</sup> March 2017. Dept. of Geology, Kakatiya University, Warangal, " Fluoride Contamination in Groundwater - Studies on Geology, Mineral Source and Pharmacological Evaluation of its Impact on Learning, Memory ".
- 19) National seminar on "Challenges in the Development of Earth Resources - A Geological, Geochemical and Geophysical Appraisal " on 23<sup>rd</sup> - 24<sup>th</sup> Feb, 2018. Dept. of Geology, Kakatiya University, Warangal, "Petrochemical characteristics of LREE enriched Quartz Syenite of Purimetla Alkaline Pluton, Cuddapah Intrusive Province, Peninsular India - Implication on their Petrogenesis ".
- 20) National seminar on "Challenges in the Development of Earth Resources - A Geological, Geochemical and Geophysical Appraisal " on 23<sup>rd</sup> - 24<sup>th</sup> Feb, 2018. Dept. of Geology, Kakatiya University, Warangal, "Geochemistry and Petrogenesis of the Ferrosyenites from India".
- 21) National seminar on "Challenges in the Development of Earth Resources - A Geological, Geochemical and Geophysical Appraisal " on 23<sup>rd</sup> - 24<sup>th</sup> Feb, 2018. Dept. of Geology, Kakatiya University, Warangal, "Petrology, geochemistry and petrogenesis of the Sivamalai alkaline pluton, Coimbatore district of Tamilnadu Southern peninsular Province".
- 22) National seminar on "Challenges in the Development of Earth Resources - A Geological, Geochemical and Geophysical Appraisal " on 23<sup>rd</sup> - 24<sup>th</sup> Feb, 2018. Dept. of Geology, Kakatiya University, Warangal, Deciphering heavy metal contamination zones between Laterite formation and eastern Dharwar craton of Mallampalli area, Jayashankar district, Telangana, Southern India.

- 23) National seminar on “Challenges in the Development of Earth Resources - A Geological, Geochemical and Geophysical Appraisal ” on 23<sup>rd</sup> - 24<sup>th</sup> Feb, 2018. Dept. of Geology, Kakatiya University, Warangal, "Studies on the Fluoride contamination in Groundwater and its toxicity on bones in Rats".
- 24) International conference - GEOSEA- XV, Hanoi, Vietnam, 13<sup>th</sup>-21<sup>st</sup> October 2018. "Petrology and petrogenesis of the layered anorthosite from siripuram of Khammam district, Telangana, India ".
- 25) International conference – European Geosciences Union (EGU), Vienna, Austria, 07<sup>th</sup> –12<sup>th</sup>, April, 2019. “Mineralogy and geochemistry of ferrosyenites from Cuddapah Intrusive Province: Implications for petrogenesis and tectonic setting”.

➤ **International conferences attended / Countries visited:**

- 1) International conference - AOGS-2011: Taipei – Taiwan - 8<sup>th</sup> – 12<sup>th</sup> Aug 2011.
- 2) International conference - 34<sup>th</sup> International Geological Congress (IGC): Australia - 5<sup>th</sup> - 10<sup>th</sup> Aug- 2012.
- 3) International conference - AOGS-2012: Singapore - 13<sup>th</sup> – 17<sup>th</sup> Aug 2012.
- 4) International conference - Geological Society of America (GSA) - GSA Annual Meeting & Exposition 27-30 October 2013-Denver, Colorado, USA.
- 5) Visited Princeton University, USA, on an invitation during 27 July-17 August 2015.
- 6) International conference - 35<sup>th</sup> International Geological Congress- 2016, Cape town, South Africa, 27<sup>th</sup> August – 2<sup>nd</sup> September 2016.
- 7) International conference - GEOSEA- XV, Hanoi, Vietnam, 13-21<sup>st</sup> October 2018.
- 8) International conference-European Geosciences Union (EGU), Vienna, Austria, 07<sup>th</sup> –12<sup>th</sup>, April, 2019.
- 9) Visited, Malaysia, Indonesia, U.A.E., Czech Republic, Netherlands and France**

➤ **Travel Grants:**

- UGC travel grant to attend the International conference - AOGS-2011: Taipei – Taiwan - 8<sup>th</sup> –12<sup>th</sup> Aug 2011.

- CSIR (Council of Scientific and Industrial Research) travel grant to attend the International conference - 34<sup>th</sup> International Geological Congress (IGC): Australia - 5<sup>th</sup> - 10<sup>th</sup> Aug 2012.
- INSA (Indian National Science Academy) travel grant to attend the International conference - 34<sup>th</sup> International Geological Congress (IGC): Australia - 5<sup>th</sup> - 10<sup>th</sup> Aug 2012.
- APCOST (A.P. State Council of Science & Technology) travel grant to attend the International conference - AOGS-2012: Singapore - 13<sup>th</sup> – 17<sup>th</sup> Aug 2012.
- CICS (Centre for International Co-operation in Science) travel grant to attend the International conference - Geological Society of America (GSA) - GSA Annual Meeting & Exposition 27<sup>th</sup>-30<sup>th</sup> October 2013-Denver, Colorado, USA.
- UGC travel grant to attend the International conference - 35<sup>th</sup> International Geological Congress-2016, Cape town, South Africa, 27<sup>th</sup> August – 2<sup>nd</sup> September 2016.

➤ **Major Research Projects:**

- 1) Major Research project grant Rs.28.01 lakhs - Department of Atomic Energy (BRNS)- Govt. of India, Entitled “Petro-minerological and geochemical studies to identify rare metal and rare earth rich phases in Prakasam Province, Andhra Pradesh”.
- 2) Ministry of water resources (CGWB), Govt. of India, Central sector scheme – Project – Grant Rs.75.18 Lakhs “Ground water management and regulation” construction of rain water harvesting structures and impact studies on Kakatiya University Campus.

➤ **PhD Degrees Awarded:**

- 1) Dr.K.Saikrishna PETROLOGY, MINEROLOGY, GEOCHEMISTRY AND PETROGENESIS OF FERROSYENITES “FROM CUDDAPAH INTRUSIVE PROVINCE, ANDHRA PRADESH.” -2018
- 2) Dr.N.Sridhar “PETROCHEMICAL INVESTIGATIONS OF THE NEPHELINE SYENITES OF MAJOR ALKALINE PLUTONS OF THE CUDDAPAH INTRUSIVE PROVINCE WITH SPECIAL EMPHASIS ON THEIR ASSOCIATED RARE EARTH ELEMENTS.” – 2018.

➤ **Training Courses:**

- 1) Completed orientation course conducted by UGC-ASC-Osmania University, Hyderabad during 14-10-2009 to 11-11-2009.

- 2) Completed the training course on Remote Sensing and GIS applications to Geoscience (N GG) Course held from 2-05-2011 to 24-06-2011, at Indian Institute of Remote Sensing (IIRS), Dehradun, Uttarakhand, India.
- 3) Completed one week faculty development programme in "Developing teaching competencies in teachers of higher education" in National Institute of Technology (NIT), Warangal during 13<sup>th</sup> - 19<sup>th</sup> may 2017.

➤ **Teaching Experience:**

<b>Courses Taught</b>	<b>Name of the University/College/Institution</b>	<b>Duration</b>
U.G. B.Sc.as counselor	Dr.B.R.Ambedkar Open University, Warangal Study Center.	8 Years
P.G. M.Sc Geology	Kakatiya University	From 1993-2005 Temporary service From 2005 till date, in Regular service as Assistant Professor, Associate Professor and Professor.

➤ **Awards:**

- 1) Admitted as Associate fellow of Telangana Academy of Sciences on 1<sup>st</sup> July 2017.
  - 2) National water awards-2018, all India 1<sup>st</sup> prize for the Rain Water harvesting project, Dept. of Geology, KU, under the best institution for successful campus water usage. Received, cash prize of rupees two lakhs along with a trophy and a citation on behalf of Dept. of Geology, KU, from Sri. Arjun Ram Meghwal, Hon'ble Minister of state for, Water Resources, River Development & Ganga Rejuvenation; Parliamentary affairs, Govt. of India in New Delhi on 25.02.2019.
- Received "Telangana Water Conservation Award-2021" on behalf of Kakatiya University in the category of Best Govt. & Pvt. Institution on 27<sup>th</sup> Feb, 2022 from Sri.T.Harish Rao garu, Hon'ble Minister of Finance and Health, Sri.Dr.Rajendra Singh Ji, Water man of India, Sri.Dr.Palla Rajeshwar Reddy garu, Chairman, Rythu Bandhu Samithi and Sri.V.Prakash Rao garu, Chairman, TWRDC, awarded by Telangana Water Resources Development Corporation, Govt. of Telangana

➤ **Invited lectures:**

- 1) Delivered invited lectures in NIT-K, Surathkal, Karnataka on 3<sup>rd</sup> and 4<sup>th</sup> April, 2017.



- 2) Delivered invited lecture in the workshop on “Groundwater management in Telangana way forward in peoples participation” organized by Central Groundwater Board (CGWB), SE, Hyd, on 18<sup>th</sup> March, 2019.
- 3) Delivered an invited lecture in the NSS science day celebrations, 28<sup>th</sup> feb - 2<sup>nd</sup> March 2019, on “Rain Water Harvesting in Kakatiya University-A case study. Organised by NSS-KU, on 2<sup>nd</sup> March, 2019.
- 4) Delivered an invited lecture in the Jal Shakti Abhiyan on “Groundwater management through artificial recharge structures” organized by NSS, KU, on 21<sup>st</sup> Aug, 2019.
- 5) Delivered an invited lecture in the “Water Conservation Meet” organized by NIT, Warangal, on 30<sup>th</sup> Sept, 2019.
- 6) Delivered an expert lecture in a web conference on “catch the rain" where it falls - when it falls organised by the institution of engineers (India) Telangana state centre, in association with water management forum, Ahmedabad and water management forum, src, iei, tsc on 18<sup>th</sup> july 2020.
- 7) Delivered key note address on “Rain water harvesting in rural and urban settings-A case study of Kakatiya University” in the 5-day training program organized in NIT, Warangal on “River, Sediment and Hydrological Extremes: Causes Impacts and Management. 07-11 March, 2022.

➤ **Radio and Television talks:**

- 1) Gave several Radio and Television talks on varied issues of Geosciences.

➤ **Administrative Experience:**

- 1) JOINT DIRECTOR, Hostels, KU from 13<sup>th</sup> Jul, 2006 - 29<sup>th</sup> Aug, 2011.
- 2) HEAD, Department of Geology, KU from 18<sup>th</sup> Aug, 2011- 22<sup>nd</sup> Aug, 2013.
- 3) CHAIRPERSON, Board of studies in Geology, from 26<sup>th</sup> Nov, 2014 - 25<sup>th</sup> April, 2016.
- 4) HEAD, Department of Geology, from 11<sup>th</sup> April, 2016 - 16<sup>th</sup> April, 2018.
- 8) CHAIRPERSON, Board of studies in Geology, from 2<sup>nd</sup> May 2018 – 30<sup>th</sup> April 2020.
- 9) HEAD, Department of Geology, from 27<sup>th</sup> April, 2020 – 1<sup>st</sup> July 2021.
- 10) REGISTRAR I/C, Kakatiya University, Warangal, from 17<sup>th</sup> June 2021 – 3<sup>rd</sup> August 2021.
- 11) CHAIRPERSON, Board of studies in Geology, from 14<sup>th</sup> Dec 2021- till date

**Service Association Experience:**

- 1) GENERAL SECRETARY, Association of Kakatiya University Teachers (AKUT) from 23<sup>rd</sup> Jan, 2016 – 22<sup>nd</sup> Jan, 2018.
- 2) PRESIDENT, Association of Kakatiya University Teachers (AKUT) from 9<sup>th</sup> Feb, 2018, till 8<sup>th</sup> Feb 2020.
- 3) PRESIDENT, Association of Kakatiya University Teachers (AKUT) from 22<sup>nd</sup> Feb, 2020 – 17<sup>th</sup> June 2021.
- 4) CHAIRMAN, Federation of University Teachers Associations of Telangana State (FUTATS) from Feb 2021 to till date.

**(Prof.R. Mallikarjuna Reddy)**