

Curriculum Vitae of

Prof. P. MADHUSUDHANA REDDY

Director , CIQA

Head, Department of Geology,

Programme In-Charge, M.Sc Envi. Sciences

Dr.B.R.Ambedkar Open University,

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Date of Birth:01-12-1963

Educational Qualifications

Ph.D. (Environmental Geology) 1993, Andhra University

M.Sc (Tech) Hydrogeology 1988, Andhra University

M.Sc (Geology) 1986, Annamalai University

Professional Experience: 28 years of teaching

- Professor of Geology since May, 2009 (10 Years Completed)
- Associate Professor of Geology (2003-2009)
- Assistant Professor of Geology (1994-2003)
- Lecturer -1991-1994 Dr.L.B.College, Visakhapatnam.

Administrative Experience:

- Director –GRADE (G.RamiReddy Academy of Distance Education) and CIQA since 01-02-2020 to 09-11-2022
- Director, Centre for Internal Quality Assurance (CIQA) from 01-02-2020 to till date
- Dean, Faculty of Science 3 years from 01-02-2017-31-01-2020.
- 4 years 6 months as Director, Material Production branch, Dr. B.R. Ambedkar Open University. 2012-2016
- 22 Years as Head of the Department, 2001- till date

Awards and Recognitions:

- Best Teacher Award-2016 (Government of Telangana)
- Acharya Devo Bhava-2016 by Brain feed Magazine
- Recognition as research scientist by National Geophysical Research Institute (N.G.R.I-C.S.I.R), Hyderabad in 2016 on Open Day
- Young scientist award by DST, Govt of India in 1996

Honorary service to Pollution Control Board, AP and Telangana

- Member CFE (Consent for Establishment) Pollution Control Board, Hyderabad from 2008 to Feb 2018.
- Member CFO (Consent for Operation) PCB, Hyderabad from 2015 to Feb 2018

- Member Legal Hearings, PCB, Hyderabad Zonal office from 2015 to Feb 2018

Service in Associations

- Treasurer for the Faculty Teachers Association of Dr.B.R.Ambedkar Open University for the years 2001-2002.
- General Secretary for the above Association for the years 2003-2004
- Treasurer for the Andhra Pradesh Federation of University Teachers Associations (APFUTA) for the years 2003-2005
- Elected as Sectional Committee member in the Environmental Sciences Section, 95th Indian Science Congress held at Andhra University from 3rd -7th Jan, 2008.
- General Secretary for the Faculty Teachers Association of Dr.B.R.Ambedkar Open University for the years 2011-2013.

Research Experience: 34 years

1. **Field of Specialization: Water Resources & Environmental Geology**
2. **Research Articles Published in International/National journals/Books : 32**
3. **International Conferences Attended : 12**
4. **National Conferences and Workshops Attended:26**
5. **Extension Lectures delivered at National level: 11**
6. **Conference Session Chairman :10**
7. **Projects Executed &Name of the funding agency: SYS-DST. GOVT. OF INDIA**
8. **Research Guidance:** Project works of PGDES, M.Tech and Ph.D Students
9. **Short term course / training programs/ Conferences conducted : 05**
10. **Subject Expert: APPSC, TSPSC, MANUU, IGNOU, JNTU,OU, AU, ANGRAU, SVU**
11. **Editorial Board Member: 9** Books Published By B.S.Publications, Hyderabad.
12. **Editor: 20** Courses of Dr.B.R.Ambedkar Open University, Hyderabad.
13. **Lesson Writer: Dr.B.R.A.O.U. Hyderabad & IGNOU, New Delhi**
14. **Acted as Resource person for 35 Video lessons**
15. **Participated in about 60 live Teleconferences**
16. **Acted as Resource person for 25 Audio lessons**
17. **Research paper reviewing member : 4 Journals**
18. **Membership in Professional Bodies : 11**

Technical Visits Abroad: U.S.A, Canada and Bangkok.

1. Visited U.S.A in the year 2000 and participated in the international **conference on HYDROINFORMATICS** organized by University of IOWA.
2. Visited Texas A & M University, College Station, USA, 2000.
3. Visited University of California, Los Angeles, California, 2000.
4. Visited University of Michigan, Detroit, 2000.
5. Visited New York Institute of Technology, Long Island, 2000.

6. Visited Toronto, Canada in the year 2005 and participated in the **IAMG conference**
7. Visited York University Toronto, Canada, 2005
8. Visited West Virginia State University, USA, 2005
9. Visited New York City Transit Corporation, USA, 2005
10. Visited Bangkok, **Thailand** and Participated in the International Conference (**ICEST 2010**)

Research Guidance

1. Guiding the students of P.G. diploma in Environmental Studies for their project work.
2. Acting as research supervisor for the M.Tech and Ph.D Students.

Membership in Professional Bodies

1. Fellow of the geological society of India, since 1994.
2. Life Member, Indian Science Congress Association, Kolkata
3. General Member For Society for Environmental Protection (SEP), Lucknow
4. life member & Executive committee member of Association of Environmental Geochemists
5. Organizing Committee Member “International Conference on Industrial Pollution and Control Technologies” (ICIPACT-2001) Conducted by J.N.T.University, Hyd.
6. Organizing Committee Member “International Conference on Environmental Management (ICEM-2005) Conducted by J.N.T. University, Hyd.
7. Organizing Committee Member “International Conference on Environmental Management (ICEM-2010) Conducted by J.N.T. University, Hyd.
8. Advisory and Technical committee member “National Conference on Advances in Civil Engineering and Infrastructure development, February 2014, organized by the dept. of civil engineering, Vasavi College of Engineering, Hyderabad.
9. Member, Board of Studies, Department of Applied Geochemistry, Osmania University. Hyderabad.
10. Member, Board of Studies, center for environment, JNTU H, Hyderabad
11. Organizing Committee Member “International Conference on Environmental Management (ICEM-2017) Conducted by J.N.T. University, Hyd.

Details of the Research Outputs

Publications

1. **MADHUSUDHANA REDDY. P, SUBBA RAO.N AND RAJAGOPALA REDDY. B (1991).** Hydrogeochemical studies in Seethammadhara of the Visakhapatnam urban area. **Ind. Jour. Envi. Prot.** Vol: 11, NO.8, pp. 601 to 604
2. **MADHUSUDHANA REDDY. P, SUBBA RAO, N AND RAGAGOPALA REDDY.B (1994)** Lead and Cadmium in the groundwaters of Visakhapatnam area, Andhra Pradesh, India. **Jour. Geol. Sco. INDIA.** Vol: 43, pp. 471 –474
3. **MADHUSUDHANA REDDY. P, AND SUBBA RAO .N (1995)** Hydrogeoenvironment of Industrial Polluted Zones in Visakhapatnam area, Andhra Pradesh, India. **Jour. Of Envi. Hydrology.** U.S.A Vol:3 No:2 pp.1 to 5
4. **MADHUSUDHANA REDDY.P AND SUBBA RAO, N. (1997).** Impact of urbanization on the quality of groundwater: A case study, Proceedings of the national conference on **Emerging Trends in the Development of Sustainable Groundwater Sources:** Published by J.N.T.University, Hyd. Pp141-145.
5. **MADHUSUDHANA REDDY, P. AND RAJASHEKHARA REDDY, S.V. (1997)** Groundwater quality studies in Tandur area, Ranga reddy District, A.P. Proceedings of

- the national conference on **Emerging Trends In The Development Of Sustainable Groundwater Sources** : Published by J.N.T.University, Hyd. Pp135-140
6. **MADHUSUDHANA REDDY, P. AND SUBBA RAO, N. (1997)** Impact of industrialization on the groundwater in Mindi and Gopalapatnam of Visakhapatnam. Proceedings of the International conference on “**INDUSTRIAL POLLUTION AND CONTROL TECHNOLOGIES**”, Published by J.N.T.University, Hyd PP 757-761.
 7. **SUBBA RAO.N, PRAKASHA RAO.J, NAGAMALLESWARA RAO.B, NIRANGAN BABU.P, MADHUSUDHANA REDDY. P AND JOHN DEVADAS.D (1998)**. A preliminary report on fluoride content in groundwater of Guntur area, A.P.India. **Journal CURRENT SCIENCES vol.75 no.9 p887-888.**
 8. **MADHUSUDHANA REDDY.P AND SUBBA RAO. N (1998)** Impact of urbanization on the quality of groundwater in parts of Visakhapatnam. **Jour.of Environment and Ecology. Vol.16 (4) pp757-759.**
 9. **SUBBA RAO. N AND MADHUSUDHANA REDDY. P (1999)** Chemical concentrations in the deep aquifer waters of an industrialized urban area of Andhra Pradesh India. **Bulletin of pure and applied science Vol.18 (F) no.1&2 PP 9-19.**
 10. **MADHUSUDHANA REDDY.P AND RAJASHEKHARA REDDY S.V (1999)** Geochemistry of groundwater in Himayat nagar area, Hyderabad, Andhra Pradesh. **Journal of Environmental Geochemistry, Vol.2, no.1, pp33-34.**
 11. **SUBBA RAO.N, SRINIVASA RAO.G, VENKATESWARA RAO.S, MADHUSUDHANA REDDY. P AND JOHN DEVADAS.D (1999)** Environmental control of groundwater quality in a tribal region of Andhra Pradesh, India. **Indian journal of Geology Vol.17 no.4, pp299-304**
 12. **MADHUSUDHANA REDDY. P AND SUBBA RAO.N (2000)** Importance of groundwater quality management in Visakhapatnam, Andhra Pradesh, India. **Groundwater resources assessment and management-perspectives for the 21st century**, published by Banaras Hindu University pp55-62.
 13. **MADHUSUDHANA REDDY. P AND SUBBA RAO.N (2001)** Effects of industrial effluents on the groundwater regime in Visakhapatnam. **Journal of Pollution Research vol. 20, no 3, pp 383-386.**
 14. **MADHUSUDHANA REDDY. P. AND RAJASHEKHAR REDDY, S.V (2002)** Hydrogeology and Hydrochemistry of Northwestern parts of Ranga Reddy District of Andhra Pradesh. Proceedings of the international conference on **Hydrology and Watershed management** published by center for water resources, J. N. T.U. Hyd, Vol.I, pp 564-567.
 15. **MADHUSUDHANA REDDY, P AND SUNDERA RAMI REDDY, D (2005)** Spatial Data Analysis and Modeling for Water Supply Distribution System Using Arc/Info GIS: A Case Study, proceedings of the international conference on **GIS and Spatial Analysis**, published by International Association of Mathematical Geology, Toronto, Canada, Vol.1, pp368-373.
 16. **MADHUSUDHANA REDDY, P (2005)** Groundwater Quality in the Industrial Urban Area: A Case Study. **Pollution and Control Technologies**, Published by BS publications, Hyderabad, 299-304pp.
 17. **SUBBA RAO, N AND MADHUSUDHANA REDDY, P (2006)** Monitoring the groundwater quality in an urban area: An environmental impact assessment and management” **Journal of Applied Geochemistry Vol.8 No.1 pp37-50**
 18. **MADHUSUDHANA REDDY, P (2006)** Interactive Video Tele Conferencing (IVTC) programmes in Dr.BRAOU: Retrospect and Prospect. Published in the book **SPECTRUM**, Research Contributions Hydrogeochemistry of groundwater of India’s First Open University by GRADE, Dr.B.R.Ambedkar Open University, Hyderabad. 252p.

19. Shravan kumar.G, **MADHUSUDHANA REDDY.P** and Anji reddy.M (2008) “in Qutbullapur area, Greater Hyderabad, Andhra Pradesh.” **Journal of Indian Academy of Geoscience**. Vol.51 No.2 13-20pp.
20. **MADHUSUDHANA REDDY. P. (2009)** “Charecterization of Groundwater Quality in Patancheru Mandal of Medak District, Andhra Pradesh, India”. **Journal of Research in Environment and Life Sciences**, VOL.o2, No.01, 21-24pp.
21. **MADHUSUDHANA REDDY. P. (2009)** “Groundwater quality in parts of Ranga Reddy District, Andhra Pradesh” **Journal of Environmental Geochemistry**, Vol.12, No.1&2 PP 19-21.
22. Subba Rao.N, Srinivasa Rao.K.V, Surya Rao.P, Venkat Rao.CH, Arjunudu.K. **MADHUSUDHANA REDDY. P** and Subramanyam.K (2009) “Geochemistry of Carbonate Precipitation from the Groundwaters in a Coastal region” **Journal of the Geological Society of India**, Vol.73, No.5, 651-656pp.
23. **MADHUSUDHANA REDDY.P (2009)** “ICT mediated ODL for Environmental Education” Published in the book **Information and communication technologies in open and distance learning**, by GRADE, Dr.B.R.Ambedkar Open University, Hyderabad. 383p.
24. **MADHUSUDHANA REDDY.P (2010)** “The impact of climate change on the quantity and quality of the groundwater” proceedings of the International conference ICEM-2010, Volume-1 pp 405-410. Published by B.S.Publications, Hyderabad.
25. **MADHUSUDHANA REDDY.P and Sakram.G (2014)** “Climate change and water resources: Implications and Mitigation” International Journal of Recent Scientific Research, Vol.5, Issue,1 pp201-204, January, 2014 (ISSN:0976-3031)
26. Shravan kumar.G, Anji reddy.M and **MADHUSUDHANA REDDY.P (2014)** “Hydrogeochemistry of groundwater in Jeedimetla area, Greater Hyderabad, Andhra Pradesh.” Proceedings of the National Conference on Advances in Civil Engineering and Infrastructure development, February 2014 published by Hikey Media, pp 217-224.
27. **Madhusudhana Reddy, P. (2014)** INTERACTIVE LEARNING IN DISTANCE EDUCATION THROUGH ICT by International Journal for Research and Development (**IJRD**), Vol :1,No.6, pp 11-14, March – April 2014. ISSN: 2321-3434.
28. **Madhusudhana Reddy, P , Rajashekhar Reddy S.V and Sakram, G, (2014)**GROUNDWATER SUITABILITY STUDIES IN ANDHRA PRADESH: A STUDY IN TANDUR AREA OF RANGA REDDY DISTRICT, by International Journal for Research and Development (**IJRD**), Vol 1,No.6, pp 27-31, March – April 2014. ISSN:2321-3434
29. **Madhusudhana Reddy. P (2014)** Science Education Through ODL Methologies In Dr.B.R.Ambedkar Open University *International Journal of Management and Social Development (IJMSD)*, Vol 1, Issue 6, October, 2014. ISSN 2321-3434
30. Sakram, G, **Madhusudhana Reddy, P** and Rajashekhar Reddy S.V (2015) Hydrochemical appraisal and groundwater quality environment in Vikarabad area, Ranga Reddy District, Telangana. **Journal of Indian Academy of Geosciences**, Vol.58 no.1.
31. Sakram, G, Sreedhar, K and **Madhusudhana Reddy, P (2017)** “Quality of groundwater in relation to agricultural activity along the Karanja Watershed, Telangana State, India”. Proceedings of International Conference on Environmental Management, Volume-II, PP 717-727.ISBN:978-93-86819-50-5
32. Shravan kumar.G, Anji reddy.M and **Madhusudhana Reddy.P (2017)**, “Integrated remote sensing and factor analysis, GIS model for evaluating Groundwater pollution”

- Proceedings of International Conference on Environmental Management, Volume-II, PP 728-735. **ISBN:978-93-86819-50-5**
33. Srinidhi ,N.S, **Madhusudhana Reddy, P** and ANJI REDDY, M. (2020). A *Review on the Biodiversity Heritage Site – The Ameenpur Lake, Hyderabad City, Telangana, India*. Proceedings of International Econference on “Climate Resilience and Disaster Risk Management for Sustainable Development” (**ICCRDRMSD-2020**) pp 186-207: 978-93-5419-033-9,
 34. Srinidhi ,N.S, **Madhusudhana Reddy, P** and ANJI REDDY, M (2021). *Evaluation of Water Quality Status of Ameenpur Lake, Hyderabad, Telangana, India using Water Quality Index (WQI) and Geo-Spatial Technology*. **Plant Archives** 21(1), 2021 pp. 1917-1923. e-ISSN:2581-6063, **ISSN:0972-5210**
 35. Srinidhi N.S, **Madhusudhana Reddy P.** and Anji Reddy M.(2022) GIS based approach for the assessment of water quality of the biodiversity heritage site of India - the Ameenpur lake, Hyderabad (2022), **Res. J. Chem. Environ.** Vol. 26 (4), pp 152-162
 36. Srinidhi, N.S., **Madhusudhana Reddy, P** and Anji Reddy, M. (2022) Assesment of Water Quality of Ameenpur Lake: The Biodiversity Heritage Site of India, 2022. **Jour. of Eco. Env. & Cons.** 28 (May Suppl. Issue): 2022; pp. (S476-S481), **ISSN 0971-765X**

International Conferences (Outside India)

1. Participated in the International conference **HYDROINFORMATICS 2000** held at University of IOWA, **USA** from 23 to 27th July, **2000** and presented a research paper entitled “Hydroenvironmental study of an urban conglomeration of a developing country using remote sensing and GIS”.
2. Participated in the International Conference **IAMG-2005** on “GIS and Spatial Analysis” held at University of Toronto, Toronto, **Canada** from 21-26th August 2005 and presented a research paper entitled “Spatial data analysis and modeling for water supply distribution system using Arc/Info GIS: A case study”.
3. Participated in the International Conference (**ICEST 2010**) Bangkok, **Thailand** held from 23rd -25th April, 2010 and presented research paper entitled “Groundwater quality and its implications on Human Health in a Developing Industrial City of India”.

International Conferences (India)

4. Participated in the International conference **ICIPACT –1997** held at J.N.T.University Hyderabad from 17-19th November **1997** and presented a research paper entitled “Impact of industrialization on the groundwater in Mindi and Gopalapatnam of Visakhapatnam”.
5. Participated in the Mahadevan birth centenary International symposium on “**Challenges of water resources management in the developing countries in the 21st century**” held at Andhra University, Visakhapatnam during May, **2001**. Presented a research paper entitled “Environmental Concerns due to fluoride levels in Groundwaters of Ranga Reddy District, Andhra Pradesh”.
6. Participated in the International Conference **ICIPACT –2001** held at J.N.T.University, Hyderabad from 7-10th December **2001** and presented a research paper entitled “Spatial distribution of lead and cadmium concentrations in the groundwaters of Visakhapatnam, A.P.”

7. Participated in the International Conference **ICHWAM-2002** held at J.N.T.University, Hyderabad from 18-20th December 2002 and presented a research paper entitled “Hydrogeology and Hydrochemistry of Northwestern parts of Ranga Reddy District of Andhra Pradesh”
8. Participated in the world conference on “disaster management infrastructure and control systems” organized by **SCHANIS** and J.N.T.University, Hyd from Nov 10th - 12th 2003, and presented a paper entitled “Groundwater quality and health in the industrial locations of Visakhapatnam, A.P, India”.
9. Participated in the International Conference on Environmental Management **ICEM-2005** held at J.N.T.University, Hyderabad from Oct 28-30th, 2005 and presented one research paper entitled “Groundwater quality in the industrial urban area: a case study”.
10. Participated in the International Conference on Environmental Management **ICEM-2010** held at J.N.T.University, Hyderabad from Oct 25-28th, 2010 and presented one research paper entitled “The impact of Climate change on the quantity and quality of Groundwater”.
11. Presented a research paper on “Climate Change and Water Resources: Implications and Mitigation”, in the International Conference on “Climate change perspectives and projections-A systems approach”. (**ICCP- 2010**) organized by Osmania University, Hyderabad 9-11 Dec, 2010.
12. Participated in the International Conference on Environmental Management **ICEM-2017** held at J.N.T.University, Hyderabad from November 27-30, 2017 and presented two research papers entitled “Integrated remote sensing and factor analysis, GIS model for evaluating Groundwater pollution” and “Quality of groundwater in relation to agricultural activity along the Karanja Watershed, Telangana State, India”.

National Conferences/ Workshops/ Seminars

- 1 Development of User friendly instructional materials, Jan 30 - Feb 4th, **1994** organized by CSTD, Dr.BRAOU, Hyderabad.
- 2 National Seminar on Quality Assurance in Distance Education 25&26th, March **1994**, Dr.BRAOU, Hyderabad.
3. Applications of New Technologies in Distance Education, 12&13th July **1994** Dr.B.R.A.O.U. Hyderabad.
4. Research Methods in Distance Education, 24-25th Mar **1995**, Dr.B.R.A.O.U, Hyderabad.
5. Self instructional materials In Distance Education Institutions of Indian Open Universities, 18-29th Mar**1996**, IGNOU, New Delhi.
6. Developing improved strategies towards better student support services 22- 24th Nov. **1996**, Conducted by Dr.B.R.A.O.U. Hyderabad.
7. Workshop on “GROUND WATER DEVELOPMENT IN HARD ROCK HYDROSYSTEMS” on 16th Aug **1997** at central groundwater board, Hyderabad.
8. National conference on “EMERGING TRENDS IN THE DEVELOPMENT OF SUSTAINABLE GROUNDWATER SOURCES” **1997** held at J.N.T.University, Hyderabad 27&28th Aug 1997 and presented two papers 1) Impact of urbanization on the quality of Groundwater: A case study. 2) Groundwater quality studies in Tandur area, Ranga Reddy District, A.P.
9. National seminar on ENVIRONMENTAL GEOCHEMISTRY held at Osmania University, Hyderabad 26&27th June **1998** and presented a paper entitled “Environmental Hydrochemistry of deep wells in Himayat nagar area of Hyderabad”.
10. National seminar on GROUNDWATER RESOURCES ASSESSMENT AND MANAGEMENT- PERSPECTIVES FOR THE 21ST CENTURY held at Banaras Hindu

- University, 23&24th July **1998** and presented a paper entitled “Importance of Groundwater quality management in Visakhapatnam, A.P, India”.
11. National seminar on GROUNDWATER RESOURCES DEVELOPMENT AND MANAGEMENT held at Andhra University, Visakhapatnam, 26&27th July **1998** and presented a paper entitled “Groundwater quality environment in the industrial areas of Visakhapatnam”.
 12. AM/ FM/ GIS Colloquium organized by G I S India at Hyderabad on 5&6th Feb **1999**.
 13. Ninth user interaction workshop organised by NATIONAL REMOTE SENSING AGENCY at Hyderabad 16&17th March **1999**.
 14. Training programme on the use of Information Technology, 4 weeks course Conducted by CSTD, Dr.B.R.A.O.U. Hyderabad during August **1999**.
 15. Tenth user interaction workshop organised by NATIONAL REMOTE SENSING AGENCY at Hyderabad, March 2000.
 16. Best practices in Distance Education 24&25th Aug 2002, GRADE, Dr.B.R.A.O.U. Hyderabad
 17. 10th December 2004 jointly organized by The Commonwealth of Learning and GRADE, Dr.B.R.A.O.U. Hyderabad.
 18. National Seminar on Advances in the Frontiers of Environmental Research organized by Department of Environmental Sciences, Andhra University, Visakhapatnam, from 19-21st November, **2005** and presented a research paper entitled “Groundwater Environment in the North western parts of Ranga Reddy District, Andhra Pradesh”.
 19. National Symposium on “Geochemistry of Earth Resources and Its Bearing on their development” organized by Department of Applied Geochemistry, Osmania University, Hyderabad, from December 27-28, **2005** and presented a research paper on “Impact of groundwater quality on the human health in an industrial area: a case study”.
 20. 93rd Science Congress on “Integrated Rural Development: Science and Technology organized by Acharya N.G.Ranga Agricultural University, Hyderabad and Indian Science Congress Association, from Jan 3-7, **2006** and presented a research paper on “Spatial distribution of some toxic elements in the groundwaters of Visakhapatnam, Andhra Pradesh, India”.
 21. National Conference on Environmental Management **NCEM-2006** held at J.N.T.University, Hyderabad in association with Indian Association of Environmental Management (IAEM) from Nov. 16-18, 2006 and presented one research paper entitled “Characterization of Groundwater Quality in Patancheru Mandal of Medak District, A.P”.
 22. 94th Science Congress on “Planet Earth” organized by Annamalai University, Chidambaram, Tamilnadu and Science Congress Association, from Jan 3-7, **2007** and presented two research papers 1) Groundwater pollution in the industrial locations of Visakhapatnam city of Andhra Pradesh 2) Hydrogeochemistry in the Northwestern region of Ranga Reddy District, AP.”
 23. National seminar on “Choice and use of ICTs in ODL: Impacts, Strategies and Future Prospects” organized by GRADE, Dr.B.R.A.O.U, Hyderabad during 29-30 march, 2007 and presented a paper on “ICT mediated ODL methods for Environmental Science Education”.
 24. 95th Science Congress on “Environmentally Sustainable Science and Technology” organized by Andhra University, Visakhapatnam, Andhra Pradesh and Science Congress Association, from Jan 3-7, **2008** and presented a research papers entitled “Hydrogeoenvironmental studies In Qutbullapur Area, Greater Hyderabad, Hyderabad.
 25. One day workshop on River Sand mining management and environmental impact assessment Organised by J.N.T.U Hyderabad on 22nd Feb 2013.
 26. National seminar on “ICT and Future of Distance Education: Opportunities and Challenges” (NSICTDE-2013) organized by Dr.BRAOU, Hyderabad from 27-28 June, 2013 and presented one research paper entitled “Interactive learning in Distance Education through ICTs”

Extension Lectures

- 1) Delivered a lecture on “Mapping of Lead and Cadmium affected areas in the Groundwaters using Remote Sensing and Geographical Information Systems”. **2000**, in the center for environment, J.N.T.U for the participants of **REFRESHER COURSE** on Remote Sensing and GIS.
- 2) Delivered a lecture on “Groundwater pollution studies in Visakhapatnam area using remote sensing and GSI in the center for Environment, **J.N.T.U. HYD. 2001** for the **Polytechnic college lecturers**.
- 3) Conducted practical training classes for two days in the center for Environment, **J.N.T.U 2002** for the environmental **Engineers of A.P.P.C.B.** in the field of remote sensing and Geographical information systems.
- 4) Delivered a lecture on “Spatial data analysis for toxic metals in the ground waters of an industrial area” in the **Academic Staff College, J.N.T.University, Hyderabad, 2005** for the participants of the refresher course on Environmental Management.
- 5) Delivered Key note Lecture on “Strengthening of the Existing Water Supply Distribution System Using Arc/Info GIS” in one of the technical session of **ICEM-2005, J.N.T.University, Hyderabad.**
- 6) Delivered a lecture on “Environmental Impact Assessment for Irrigation (Drainage) projects” for the participants of refresher course on **Environmental Sciences** in the **Acharya Nagarjuna University, GUNTUR. December 2005.**
- 7) Delivered a lecture on “Disaster Management” for the participants of refresher course on **Environmental Sciences in the Academic Staff College, ANDHRA UNIVERSITY, Visakhapatnam March 2006.**
- 8) Delivered a Lecture on “**Geomatics for geological applications**” in the Two week Short term training program on Geospatial Technologies, during 12-24 Feb, 2007 organised by Centre for Environment, **J.N.T.University, Hyderabad.**
- 9) Delivered a Lecture on “**Site Selection for Green Buildings**” in the 2 day national panel discussion meet on Green Buildings, 18-19, Dec, 2008, conducted by Centre for Environment, **J.N.T.University, Hyderabad.**
- 10) Delivered a Key note Lecture on “**EIA Methodologies for irrigation projects**” in the 2 day national workshop on Environmental Impact Assessment, during 2-3 Dec,2009, by Centre for Environment, J.N.T.University, Hyderabad.
- 11) Delivered a lecture On “Impact of sand mining on Groundwater” in the one day workshop organized by J.N.T.U Hyderabad on 22nd Feb 2013

Conference Session Chairman

1. Acted as Session Chairman in one of the technical session, in the International Conference **ICIPACT –2001** held at J.N.T.University, Hyderabad from 7-10th December 2001.
2. Acted as Session Chairman in the world conference on “ Disaster management Infrastructure and control systems” organized by **SCHANIS** and J.N.T.University, Hyderabad, from Nov 10-12, 2003.
3. Acted as Session Chairman in the International Conference on Environmental Management **ICEM-2005** held at J.N.T.University, Hyderabad from Oct 28-30, 2005.
4. Acted as session Chairman in the national Seminar on Advances in the Frontiers of Environmental Research organized by Department of **Environmental Sciences, Andhra University, Visakhapatnam, from 19-21st November 2005.**

5. Acted as session Chairman in the National Conference on Environmental Management **NCEM-2006** held at J.N.T.University, Hyderabad in association with Indian Association of Environmental Management (IAEM), Nagpur. From Nov. 16-18, 2006.
6. Acted as Panel Speaker on “Site Selection for Green Buildings” in the Conference conducted by Centre for Environment, J.N.T.University, Hyderabad.
7. Acted as Session Chairman in the International Conference on Environmental Management **ICEM-2010** held at J.N.T.University, Hyderabad from Oct 25-28, 2010.
8. Acted as Panel Speaker on “Water Quality issues” in the two Day National seminar on Water Quality (NSWQ-2011) organized by Centre for Environment, J.N.T.U, Hyderabad in association with Hyderabad Metropolitan Water Supply & Sewerage Board, Hyderabad during 15th &16th July, 2011 in Hyderabad.
9. Acted as Session Chairman in the International Conference on Environmental Management **ICEM-2017** held at J.N.T.University, Hyderabad from November 27-30th 2017.
10. Acted as Chairman for the technical session in the 23rd IDEA International Conference held on 10-12 November, 2018 conducted by Dr.B.R.Ambedkar Open University, Hyderabad.

Editorial Board Member

1. A book on “Environmental Geoinformatics and Modelling” Published by BS publications, Hyderabad. B.S.Publications, Hyderabad. 2005.
2. A book on “Environmental Education and Awareness” Published by BS publications, Hyderabad. B.S.Publications, Hyderabad, 2005
3. A book on “Environmental Impact Assessment” Published by BS publications, Hyderabad. B.S.Publications, Hyderabad, 2005
4. A book on “Environmental Resources and Sustainability” Published by BS publications, Hyderabad. B.S.Publications, Hyderabad, 2005
5. A book on “Pollution and Control Technologies” Published by BS publications, Hyderabad. B.S.Publications, Hyderabad, 2005
6. A book on “Climate Change vulnerability analysis: Tools and technologies, Climate change impact and vulnerability and Climate change influence on water resources”. B.S.Publications, Hyderabad. 2010
7. A book on “Climate Change Mitigation Technologies and Policies and Regulations to mitigate climate Change. B.S.Publications, Hyderabad.2010
8. A book on “Sustainable environmental Planning, Space technologies for sustainable development, environmental education and Ethics”. B.S.Publications, Hyderabad.2017
9. A book on “Sustainable environmental management and sustainable energy”. B.S.Publications”, Hyderabad.2017.

Research paper reviewing member (Journal)

1. Journal of Research in Environment and Life Sciences,
2. Journal of GEOMATICS
3. Journal of Environmental Geochemistry.
4. International Journal of Engineering and Earth Sciences.

Workshop/Seminars Conducted

1. Coordinator, International Conference on Open and Distance Education (iCODE-2007), conducted by Dr.B.R.Ambedkar Open University, Hyderabad.

2. One day National workshop on “Climate Change” for the benefit of M.Sc Envi.Sci students, councellers and faculty members was organized on 22-10-2010 with the total financial support from APPCB, Hyderabad.
3. One day National workshop on “Green Technologies for Sustainable Development” for the benefit of M.Sc Envi.Sci students, councellers and faculty members was organized on 11-11-2011 with the total financial support from APPCB, Hyderabad.
4. One day workshop on “Biomedical Waste Management” on National Science Day 28-02-2013 sponsored by APPCB, Hyderabad.
5. One day workshop on “Waste Management” on 30-03-2017 for the benefit of M.Sc Envi.Sciences students, councellers and faculty members.