

## BIO DATA



**Dr. D.Nagaraju**, M.Sc., PG Dip in Hydrogeology, Ph.D  
**Professor and Director (Centre for information  
Science and Technology),Senate Bhavan,**  
Department of Studies in Earth Science  
University of Mysore, Manasagangothri,  
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## **OFFICE ADDRESS**

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## **ACADEMIC CALIFICATIONS**

M.Sc., in Geology, Post M.Sc Diploma in Hydrogeology, Ph.D in Geology.

## **TITLE OF THE DOCTORAL THESIS**

“Digital Appraisal of Aquifers of Kabini River Basin, Karnataka, India”.

## **TEACHING AND RESEARCH EXPERIENCE: (1996– till date)**

Post Graduate teaching –26 years.

Research Experience - 25 years

## **ACADEMIC DUTIES**

1. Member for Special Assistance programme (SAP) UGC in the Department of Earth Science, University of Mysore.Mysuru.
2. BOE member for Geo-informatics Studies in Department of Marine Geology Mangalore University.
3. Board of Examiner member for University of Mysore, Karnataka.
4. Board of Examiner member for Kuvempu University Shimoga, Karnataka.
5. Board of Examiner member for Mangalore University, Mangalore, Karnataka.
6. Board of Examiner member for Karnataka University, Dharwad, Karnataka.
7. Board of Examiner member for Bangalore University, Bangalore, Karnataka.
8. Board of Examiner member for Kerala, Calicut University, Kerala
9. Member for Admission committee for PG studies in Geology, Applied Geology, Earth Science and resource management in Department of Earth Science, University of Mysore.

10. Chairman Board of Examination for UG Geology, the Department of Geology During 2010-12
11. BOE Member of P.G Dept. University of Mysore Mysuru, Karnataka (2013-2014)
12. BOS member of Karnataka University, Dharwad, Karnataka
12. BOS member of University of Mysore, Mysuru, Karnataka.(2013-2016)
13. BOS Member of Kannur University, Kannur, Kerala, India(2015-till)
14. Govt. of Karnataka, District level Environment Impact Assessment Authority subject expert member (2015-till).
15. BOS Member of Environmental science, Karnataka state open University Mysuru, Karnataka, India(2017-2020)
16. BOE member of PG Department, University of Mysore, Mysuru (2017 to till)
17. Member of Centralized Admission Reformation, Regulation implementation Committee.-2018-2019. University of Mysore,Mysore-570 006
18. Member of Applications Scrutinizing Committee for CAS-2018-2019,University of Mysore,Mysore-570 006
19. Member of Fee and Admission fees Committee for CAS-2018-2019,University of Mysore,Mysore-570 006
20. Member of Fee and Admission M.Sc/M.A/Certificate Time-table and Academic calendar Committee in the year of -2018-2019,University of Mysore,Mysore-570 006
21. Member of PSF Committee in the year of -2018-2019,University of Mysore,Mysore-570 006
22. Member of CAS-I<sup>st</sup> Phase Committee in the year of -2018-2019,University of Mysore,Mysore-570 006
23. Member of AC for the Assessment of College council to The institute of education,Omkarmall somani education mahavidyala college Mysore for two years, University of Mysore,Mysore-570 006
24. Board of Examiner member for Kuvempu University in the year of 2018 to 2019, Shimoga, Karnataka.
25. Chairman of the Department of Christianity, University of Mysore,Mysuru,Vide Order No. UA1/523/2009-19/Date:5<sup>th</sup> February 2018. For the Period of two years.
26. BOE Member of P.G Dept. University of Mysore Mysuru, Karnataka (2018-2019)
27. Member of BOS in Geology, University of Mysore,Mysuru,Karnataka(2019-2020)
28. Member of BOS, University of Mysore,Mysuru,Karnataka(2020-2021)

29. Ph.D. Constitution Doctoral committee for Geology, Bangalore University-2020.
30. BOE for P.G Dept. University of Mysore, Mysuru, Karnataka(2021-2022)
31. Member of PG Sports , University of Mysore, Mysuru, Karnataka(2020-2022)
32. Member of PG Admission, University of Mysore, Mysuru, Karnataka(2021-2022)
33. Advisory member of Department of irrigation and Groundwater Dept. Bangalore-2021-2022.
34. Member of Association of Indian Universities 96<sup>th</sup> Annual meet and National Seminar of Vice Chancellors-2022.
35. Member of Fee structure, University of Mysore, Mysuru, Karnataka(2021-2022).
36. Member of AC, College of B.G.S Apollo college, Kuvempu Nagar, Mysore. 2020.
37. Member of Academic Council, Yuvaraja's College, Mysore. 2020-2022.
38. Member of BOS in Earth Science, University of Mysore, Mysuru, Karnataka(2022-2025)
39. Member of BOS in Geography, University of Mysore, Mysuru, Karnataka(2022-2025)

## **RESEARCH INTERESTS**

- 1) Hydrogeology.
- 2) Remote Sensing and GIS.
- 3) Geomorphology
- 4) Geo-exploration
- 5) Environmental Geology
- 6) Geophysics

## **EXAMINATION WORK**

1. Deputy Chief Superintendent, P G Entrance examination, University of Mysore, Mysuru 2006
2. Deputy Chief Superintendent SLET, Examination center, University of Mysore, Mysuru (2010)
3. Observer, SLET, Examination center, Belagum. University of Mysore Mysuru (2011)

4. Observer, SLET, Examination center, Dharwad University of Mysore, Mysuru (2013.)
5. Chief Superintendent of Examination University of Mysore. Mysuru. - (2014)
6. Appointment for paper setters for Karnataka public service commission(KPSC)-2017
7. Observer, SLET, Examination center, Mysore. University of Mysore Mysuru (2020)
8. Observer, SLET, Examination center, Mysore. University of Mysore Mysuru (2021).
9. Board of Appointment in Geology –member, Kuvempu University,2021.

### **RESEARCH PROJECTS UNDERTAKEN**

1. UGC Sponsored Minor Research Project by University of Mysore project on “Hydrogeological investigations of in and around yelandur taluk, Chamarajanagar istrict,Karnataka, india”. Rs.1,00000/- as Principal investigator (2005-2006).
2. UGC Sponsored Major Research Project on studies of “Hydrogeological characterization of fractured Aquifers in Chamarajanagar District, Karnataka, India”. Rs.5,30,000/- as Principal Investigator (2009-2012)
3. UGC-MHRD sponsored Major Project on “Production of courseware e-content development for post-graduate subject 'Earth Science' (e-PG Pathashala)”, Rs. 7.5 lakhs as Co- Principal Investigator (2014).
4. DST-SERB Sponsored Major Research Project on “Integrated hydrogeological studies of Periyapatna taluk, Mysore District, Karnataka, South India”. Rs.29,44,040/- as Principal Investigator (2016-2020)

### **NUMBER OF Ph.D CANDIDATES SUCCESSFULLY COMPLETED**

<b>Sl. No</b>	<b>Name of the Candidate</b>	<b>Title of the thesis</b>	<b>Year of the awarded</b>
<b>1</b>	H.S.Mahadeswara	Hydrogeological Study of Harve Watershed in Chamarajnagara District, Karnataka, India, Using GIS and Remote sensing Techniques.	2004
<b>2</b>	M.P.Dharmesh	Block wise Groundwater Assessment of Nagamangala Taluk, Mandya District,	2004

		Karnataka, India, Using GIS and Remote sensing Techniques.	
3	Syed Abdul Sajid	Hydrological investigation and Assessment of Groundwater Depletion in Udigala watershed of Chamrajnagara District, Karnataka. India	2006
4	M.Nagaraju	Groundwater Assessment in Mandya Taluk, Mandya District, Karnataka, India	2006
5	N.Ravikumar	Hydrological Investigations of Gundlupet Taluk,Chamarajanagara District, Karnataka, India, Using Remote sensing and GIS Techniques.	2007
6	C.Papanna	Hydrogeological Studies of Kollegal Taluk, Chamarajnagara District, Karnataka, India, Using Remote Sensing and GIS Techniq ues.	2010
7	S.Vijayakumar	Studies of coastal sediments, Hydrodynamics and Environmental aspects of Mulki estuary, west coast of India, Karnataka.	2010
8	Ramin Sarikhani	Environmental Aspects of Toxic elements in Groundwater Around Qorvch, Kurdistan Province, Northwest of Iran.	2011
9	Artimes Ghassemi Dehnavi	Environmental and Geochemical Studies of Volcanic rocks and Groundwater in Bijar, Kurdistan, Iran, Using Remote sensing and GIS Techniques.	2011
10	G.Mahadevaswamy	Hydrological Investigations of Nanjangud Taluk, Mysore District, Karnataka, India.	2012
11	Mohammad subhan lone	Applications of Remote sensing and GIS for selecting Artificial recharge zones in H.D.Kote Taluk, Mysore District, Karnataka, India.	2013
12	Siddalingamurthy.S	Integrated Approach for delineating potential zones in Chamarajanagar Taluk, Chamarajanagar District, Karnataka, India using Remote sensing and GIS.	2014
13	Lakshamma	Groundwater Recharge Assessment in Gundal Watershed, Gundlupet Taluk, Chamarajanagar District, Karnataka, India, Using Remote sensing and GIS	2014
14	Meisam Kouhsari	Integrated Hydrogeological studies of Periyapatna Taluk, Mysore District, Karnataka, India.	2016

15	Sumithra.S	Groundwater Prospects in Hebbahalla Watershed, Mysore District,Karnataka,India.	2016
16	Ramakrishna.R	Hyrogeological Studies of Tattakere Watershed, Mysore District, Karnataka, India, Using Remote sensing and GIS Techniques.	2016

#### NUMBER OF Ph.D CANDIDATES ADJUDICATED:

1. **Sreenivasa Topic:** “Hydrological Study of kumadarathi sub- basin in Karnataka, India.”(2002). **Guide: Dr.H.M.Nagaraju.** Department of Geology, Bangalore University, Bangalore-560056.
2. **K.Pandian Topic:** “Remote sensing and GIS based groundwater resource Assessment in the Vaippar river basin, Tamilnadu”.(2007). **Guide: Dr. K.Sankar,** Centre in Remote sensing School of geosciences, Bharathidasan University Tiruchirappalli, Tamilnadu.
3. **M.Sekhar, Topic:** “Environmental Impact on Hydrogeochemistry in Tiruchirappalli District,Tamilnadu,India, Using remote sensing and GIS”.(2011). **Guide: Dr.M.Manivel,** Bharathidasan University, Tiruchirappalli. Tamilnadu.
4. **D.Yuvaraj, Topic:** “A Study on water supply and sanitation system in Coimbatore city corporation using Remote sensing and GIS”.(2011). **Guide: Dr.M.Manivel,** Bharathidasan University Tiruchirappalli-620024.
5. **S.Arunachalam Topic:** “Spatio-temporal variations of groundwater Chemistry in and around Nagapatanam coastal region, Tamilnadu”.(2011). **Guide: Dr.M.Manivel,** Bharathidasan University Tiruchirappalli-620024.
6. **B.Poovalinga Ganesh, Topic:** “Exploration of iron ore Deposits in parts of northern District of Tamil Nadu state, India, Using Multi and Hyperspectral remote sensing data and Geo-special Techniques”.(2012). **Guide: Dr.S. Avavindan,** Prist University Vallan, Thanjavur-613403.

7. **N.K.Narayanaswamy, Topic:** “Hydrological Studies and Its Impacts on environment in parts of Dakshina Pinakini river basin, Karnataka, India”.(2012).  
**Guide: Prof..H.Vajarappa.**Department of Geology, Bangalore University, Bangalore.
8. **D.Natashekar. Topic:** “Saltwater Intrusion into the Coastal aquifer in and around Mangalore Daskshina Kanada, Karnataka, Using GIS Techniques”(2012).  
**Guide: Dr.Shivanna,** Dept of Marine Geology, Konaje, Mangalore University-574199
9. **Manjula.P Topic:** "Hydrological and hydrochemical characterization of thuthapuzha sub basin of Bharathapuzha(2015)".  
**Guide: Dr. C. Unnikrishnan. Scientist, CWRDM Warriar,** Kannur University, Kerala-67357.
10. **Santhosh.N Topic:** "Hydrogeology, Groundwater Resources and Management of the Lower Basin of Ponnani River, Kerala, India(2015)".  
**Guide: Dr.Mohammed Aslam M.A**
11. **D.Ignatius Anthony Topic:** "Investigation of china clay deposits in between Trivandrum and Kollam Districts of Kerala State, India” (2016).
12. **Sri Chandrashekar Kalyani topic”** Hydrogeological investigations in Shalmala River Sub-basin,Dharwad District,Karnataka(2016). **Guide:** Dr.S.Manjunatha,Associate Professor,Department of Geology,Karnatak Science College,Dharwad.
13. **Mr.S. Pichaiah Topic:** "Hydrogeochemisrty of groundwater study from Tirpur Taluk,Tirpur District, Tamil Nadu.(2017)”  
**Guide:** Dr. G. R. Senthil Kumar Annamalai University, Tamil Nadu.
14. **Mrs.D.Shanthi topic:**"Geomatic and Earth Sciences identification in the Parts of Thiruchirapalli District, Tamilnadu(2017).
15. **Mr.T.Thamilarasan Topic:Groundwater Resources Evaluation in the parts of Ariyalur District,TamilNadu Through spatial techniques.,”Guide:** **Dr.K.SankarThanjavur,TamilNadu,2021.**



16. Sri.MohanTopic” Hydrogeological studies of Doddahalla watershed,Chikamagalur District,Vedvati River,Sub basin,Using Remote sensing and GIS.,Guide:Prof.P.C.Nagesh,Bangalore University,2022.
17. Sri. Ravi topic”Guide: Dr.S.Aravindan,Annamalai University,Tamilnadu.
18. .Sri Harishnaika N Topic”Develoment of model for the crop-Drought impacts vulnerability Assessment for Kolar and Chikkaballapur Districts in Karnataka, India’Guide:Prof.Syed Ashfaq Ahmed, Kuvempu University, Shnkaraghatta,Shiomoga.

#### **NUMBER OF Ph.D CANDIDATES CURRENTLY WORKING-09**

##### **Membership of professional bodies**

Geological Society of India, Bangalore

Mineralogical Society of India, Mysore

Fellow of the Association of Hydrogeologist, Hyderabad.

Life Fellow of The Indian Society of Geo-informatics, Hyderabad.

Fellow of the Association of Applied Geochemistry, Hyderabad.

#### **TRAINING / COURSES ATTENDED**

##### **Refresher Course:**

1. Geographical Information System conducted by the UGC-Academic Staff College, University of Mysore, Mysore, India (7-01-2005 to 27-01-2005).
2. Recent Trends in Micropaleontology and Stratigraphy conducted by Department of Geology Bangalore University, Bangalore, India. (01-02- 1999 to 01-03-1999).
3. Petrology and Geochemistry conducted by Department of Geology Bangalore University, Bangalore, India. (20-05-1997 to 10-06-1997).

##### **Orientation Course:**

1. UGC Sponsored Orientation programme for college Lecturers conducted by Academic Staff college, University of Mysore, Karnataka, India. From 21-06-2000 to 18-07-2000.

##### **Training Programme:**

1. Geological Mapping techniques, 5<sup>th</sup> to 15<sup>th</sup> March 2011, Geological Survey of India, Training Institute, Field Training Center, Chitradurga, Karnataka – 57750.
2. Geological Mapping techniques, 29<sup>th</sup> April to 10<sup>th</sup> May 2012, Geological Survey of India, Training Institute, Field Training Center, Chitradurga, Karnataka – 577501.
3. Geological Mapping techniques, AMD, India, Training Institute, Field Training Center, Andhrapradesh.
4. Short Term Course on Groundwater Resources and Groundwater Contamination Conducted by Regional Research Laboratory Bhopal during April 12 to 16, 1993.
5. Training on Fundamentals of computer applications Conducted by University of Mysore, Mysore, Karnataka, India. From 02 to 31, 1999.
6. Training Course on Modeling Groundwater Systems and Contaminant Transport Conducted by University of Mysore, Mysore, Karnataka, India. From 06 to 29, 1998.
7. Training Course on Remote Sensing and GIS Conducted by Govt of India, Indian Space Research Organizations, National, Natural Resources Management System and Regional Remote Sensing Service Centre, Bangalore, India From 27 May to 07 June, 2002.
8. UNESCO Regional Training Programme on Remote Sensing Application to Geology Conducted by, Department of Geology, Anna University, Chennai, From 15 to 26 November 1999.

**Short term course Training conducted as a Organizing Secretary:**

1. Modelling Groundwater systems and contaminant transport(07.04.1998 to 29.04.1998) Department of Studies in Geology,Masagangotri,Mysuru-570 006.
2. National Seminar on Challenges and opportunities in Earth Science education and research on 29<sup>th</sup> and 30<sup>th</sup> January 2018.

**SEMINARS ORGANISED**

1. Convener for Organizing National Seminar on Rooftop Rainwater Harvesting and Groundwater Recharge. 20<sup>th</sup> -21<sup>st</sup> February 2009.

2. Organized National seminar on “Geospatial and ecological mapping of Biodiversity – Tools and techniques 2012 in Department of Studies in Earth Science, Mysore on 30-31st May 2012.
3. Organized the International Seminar as joint Secretary on Geoinformatics conducted by Department of Geology, University of Mysore in 2004.
4. Conducted workshop on Recent Remote Sensing and GIS application, 2006 April 4th as organizing Secretary in Department of Geology, University of Mysore.
5. Member for organizing 3rd Convention of the Mineralogical Society of India and National Seminar challenges in Pre-Cambrian geology in the millennium – 17th to 18th Jan, 2001.

#### **List of AWARDS:**

1. Bharth Excellence Award, 28 July 2019, Friendship forum, India.
2. Leading educationist of India Award, 28 July 2019, Friendship forum, India.
3. Best Research supervisor Award-03, February 2019, Grabs Educational Charitable Trust, Chennai.
4. Incredible Academicians and Researchers of india-21 Record Owner,India.
5. 9<sup>th</sup> Faculty Branding Awards-21-Best Research Award-EET CRS,Koklata, India.
6. 11<sup>th</sup> Science and Technology Award-2-Best Faculty Award- EET CRS,Koklata, India

#### **LIST OF PUBLICATIONS/PAPERS PUBLISHED**

1. **Nagaraju D** and Sastri J.C.V(1999) Confirmed Firmed fecal pollution to bore wells of Mysore city, International journal of environmental Geology,No.38(4),
2. **Nagaraju D(2003)**, Heavy Metal Pollution Of soils around Nanjangud, Karnataka and its impact on the Environment, Journal of Ecotoxicology and Environmental monitoring, Chennai.india.Vol.13(4) page No. 295-306,
3. **Nagaraju D**, Mahadeswara H.S and Dharmesh (2003) Sewage and sludge treated lake and its impact on environment, Mysore, India, Journal of Applied hydrology,vol.XVI,No.2,1-7.

4. Nagaraj M, **D.Nagaraju** and Balasubramanian.A(2005), Groundwater quality of Mandya Taluk, Karnataka, India. *J.Ecotocol.EnvIRON.Monit.*15 (2), 169-178.
5. Shivanna, Mahdevaswamy G.M, Yamuna and **D. Nagaraju (2006)** Urban groundwater quality index of Deep bore wells of Mysore city, Karnataka, India, *Journal of Environmental Geochemistry* Vol.9 (2) ,21-26,
6. Maruthi.T.R and **Nagaraju.D(2007)** Legal aspects of Marine pollution, *Journal of Ecotoxicology and Environmental monitoring, Chennai.india.*Vol.17 (2) page No. 101-112.
7. Maruthi T.R and **Nagaraju. D (2007)** The seabed –Policy issues, *Journal of Ecotoxicology and Environmental monitoring, Chennai.india.*Vol.17 (3) 285-294,
8. **Nagaraju D** and Papanna (2007) **Integrated watershed Management of Havre watershed, Chamarajanagar District, Karnataka, India using Remote sensing and GIS techniques, Journal of Biannual Science of the University of Mysore, Mysore, Karnataka, India, Vol. II (2)pp 56-64,June,**
9. **Nagaraju D** and Papanna C (2008) **Applications of Remote sensing and GIS Techniques for selecting artificial recharge sites for groundwater in Udigala watershed, Chamarajanagar district, Karnataka, India. Journal of the Indian academy of Geosciences, Hyderabad, India.**Vol.51, No.1 45-48.
10. **Nagaraju D** and Ravikumar (2009) **Drainage morphometric analysis of Gundlupet taluk, Chamarajanagar, District, Karnataka, India. Journal of Ecotoxicology and Environmental monitoring, Chennai.india.**Vol.19 (2), 193-200,
11. **Nagaraju D** and Papanna C (**2009**) **Groundwater exploration for tapping the deeper potential aquifers in hard rock terrain of Udigala watershed, Chamarajanagar District, Karnataka, India. Journal of Ecotoxicology and Environmental monitoring, Chennai. India. Vol.19 (4), 389 396.**
12. Shivanna, JayaprakshM.C, Channabasappa.K and **Nagaraju D (2009)** **Elemental composition and distribution of Precambrian depositories: A case study of Kaladgi basin in southern India. Journal of India Academy of Geosciences, vol.52, No2 pp41-46.**

13. **Nagaraju,D (2009)**, Pollution status of groundwater for drinking purpose in Gundlupet town Chamarajanagar district. Karnataka. India, Journal of Applied geochemistry, Vol-11, No.2, Page.212-220.
14. C.Papanna and **Nagaraju.D (2009)** The Study of water quality of Kollegal taluk, Chamarajanagar District, Karnataka, Journal of Myscience, University of Mysore ,IV(I),60-65.
15. Vijayakumar S, **Nagaraju D,Madesh.P and Manjunatha,S(2009)**, Studies on Changes in the Environmental features of the Mulki estuary in relation to tides. Journal of Disaster Advances,Vol.2(1) page No.54-63.
16. **Nagaraju D** and Papanna.C (2009), Hydrogeochemical Studies of Kabini River Basin, Karnataka, India. An international journal of Quarterly scientific Journal of Nature environment and pollution Technology, Vol.8 (1) page No.111-118.
17. Vijayakumar S, **Nagaraju D**, Madesh P and Manjunatha (2010) Influence of diurnal variations on hydrographical changes at mulki estuary, western Karnataka, Journal of Ecotoxicology and Environmental monitoring, Chennai. India. Vol.20 (31) page No.231-237,
18. **D. Nagaraju**, Physical and Chemical Characteristics of groundwater in Kollegal taluk, Chamarajanagar District, Karnataka, India, Asian journal of Environmental Science Volume.5,No.1 PP.No,11-14,June,2010.
19. Artimes Ghassemi Dehnavi, Ramin Sarikhani and **Nagaraju D (2009)**, Geochemical and petrological characteristics of volcanic rocks zajkan, North-west of Iran. Journal of the Indian Academy of Geoscience, Hyderabad, India.Vol.52, No.1 19-24.
20. **Nagaraju,D,Papanna.C.Nagesh,P.C** and Krishna Rao(2010) Assessment studies of groundwater recharge in Nagamanagala taluk, Mandya District, Karnataka, using Remote sensing and GIS techniques, Journal of Nature environment and pollution Technology,Vol.9(4) page No.755-762.
21. Ramin Sarikhani, Artimes Ghassemi Dehnavi, and **Nagaraju D (2010)** Environmental geochemistry of lead and its impact on groundwater pollution in East of Kurdistan, Iran. Asian journal of Environmental Science Volume.5, No.5 Page no.120-125, December,

22. Mahadevaswamy G, **Nagaraju D** and Papanna C (2010), Evaluation of groundwater potential in Nanjangud taluk of Mysore district, India. Asian journal of Environmental science, India, December-2010, vol-5(2), Page No.83-88,
23. Artimes Ghassemi Dehnavi, Ramin Sarikhani and **Nagaraju D (2010)**, Image processing and analysis of Mapping alteration zones in Environmental research, East of Kurdisatn, Iran. World Applied Sciences Journal volume-11, No.3, 278-283.
24. **Nagaraju D**, Siddalingamurthy S, Mahadevaswamy, Laxmamma, Mohammad subhalone, Nagesh P.C and Krishna Rao (2011) Assessment of groundwater potential in Chamarajanagar District, Karnataka, India. International Journal of the Earth science and Engineering. Vol.04, No.03, Page No.462-466.
25. **Nagaraju, D**, Papanna, C, Mahadevaswamy, G, Lakshmikantha Raju H.T, Nagesh, P.C., and Krishna Rao (2011) Studies on land use, land cover and soil texture of Harve watershed, Chamarajanagar District, Karnataka, using Remote sensing and GIS techniques. Journal of Nature environment and pollution Technology, Vol.10 No.2, page No.289-292, June,
26. Mahadevaswamy, G, **Nagaraju, D.**, Siddalingamurthy, S., Mohammad Subhan lone, Nagesh, P.C., and Krishna Rao (2011), Groundwater quality studies in Nanjangud taluk, Mysore District, Karnataka, India. International journal of Environmental sciences, Vol.1, No.7, page No.1582-159.
27. Mahadevaswamy, G, **Nagaraju, D.**, Siddalingamurthy, S., Mohammad Subhan lone, Nagesh, P.C., and Krishna Rao (2011), Morphometric analysis of Nanjangud taluk, Mysore District, Karnataka, India, Using GIS techniques. International journal of Geo-informatics and Geo sciences, Vol.1, No.4, page No.721-734.
28. Nirmala R, Shankara. M, **Nagaraju, D** and Chinnaiyah (2011) Artificial groundwater Recharge studies in Sathyamangala and Metur villages of Kulathur taluk, pudukottai, Chennai, using GIS techniques. International journal of Environmental sciences, Vol.1, No.7, page No.1592-1608,
29. **Nagaraju, D**, Papanna, C, Mahadevaswamy, G, Lakshmikantha Raju H.T, Nagesh, P.C., and Krishna Rao (2011) Hydrogeochemical evaluation of Kuderu

Mir watershed of Kabini river basin, Karnataka, India. Nature environment and Pollution Technology, Vol.10, No.1, March.

30. Ravikumar M, **Nagaraju**,D .,Siddalingamurthy.S., Lakshamma, Mohammad Subhan lone, Nagesh,P.C., and KrishnaRao(2011), Groundwater pollution sensitivity model for part of Cauvery basin between Mettur dam and Erode town using remote sensing and GIS. International journal of Geo-informatics and Geo sciences, Vol.1, No.4, page No.735-757,
31. Artimes Ghassemi Dehnavi, Ramin Sarikhani and **D. Nagaraju**, (2011) Impact of arsenic on environmental geochemistry in south east of Kurdistan, Iran. Journal of Nature environment and pollution Technology, Vol.10, No.3, page No. 473-480 September,
32. **Nagaraju**,D,Papanna,C,Siddalinagamuthy,S,Mahadevaswamy,G,Lakshamma,Mohammad Subhan lone, Nagesh,P.C., and KrishnaRao(2011) Identification of groundwater potential zones through Remote sensing and GIS Techniques in Kollegal taluk, Chamarajanagar District, Karanataka, India. International Journal of Earth sciences and Engineering, Vol.5, No.4, August,
33. Lakshamma,**Nagaraju**,D,Mahadevaswamy,G,Siddalingamuthy,S,Manjunatha(2011), Morphometric analysis of Gundal watershed, Gundlupet taluk, Chamarajanagar district, Karnataka, India. International journal of Geo-informatics and Geo sciences, Vol.1, No.4, page No.758-775.
34. **Nagaraju**,D .,Siddalingamur thy.S., Lakshamma, Mohammad Subhan lone, Nagesh,P.C.,and KrishnaRao(2011), Assessment of Groundwater Potential in Chamarajanagar District, Karnataka, India. International Journal of Earth Sciences and Engineering, Vol.4, No.3, Page No.462-466, June,
35. Artimes Ghassemi Dehnavi, Ramin Sarikhani, Gholamhossein and **Nagaraju D**, (2011), Geochemical and Environment Impacts of Alteration Rocks on Groundwater, Zajkan, NW of Iran. American Journal of Scientific Research Vol. 26, (2011), pp. 134-138,.

36. Artimes Ghassemi Dehnavi, Ramin Sarikhani, Gholamhossein and **Nagaraju D, (2011)** Study of effects of Coastal Soil on Liquefaction in the Bandar Abbas, South of Iran. American Journal of Scientific Research Vol. 26, (2011), pp. 134-138, 2011.
37. Artimes Ghassemi Dehnavi, Ramin Sarikhani and **Nagaraju D, (2011)**, Hydrogeochemical and rock water interaction studies in East of Kurdistan-W of Iran. International journal of Environmental science and Research, Vol.1, No.1, 2011, page No.16-22, 2011.
38. **Nagaraju D**, Mahadevaswamy G, Siddalingamurthy S, Nagesh P C, Krishna Rao and Pankaja G.V,(2011) Groundwater development studies using remote sensing and GIS techniques in drought prone area of Chamarajanagar District, Karnataka, India. An international journal of Quarterly Scientific Journal on Nature environment and Pollution Technology, Vol.10, No.4, .661-664
39. **D. Nagaraju**, Determination of specific yield in Kuderu micro watershed of Chamarajanagar and Nanjangud taluks, Karnataka. Journal of Ecotoxicology and Environmental monitoring, Chennai. India. Vol.21 (4) page No.341-345,
40. **D. Nagaraju** Evaluation of groundwater resource potential using GIS in Kollegal taluk, Karnataka. Journal of Ecotoxicology and Environmental monitoring, Chennai. India. Vol.21 (1) page No.87-96,.
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Addahalla Watershed, Mysore and Chamarajanagar Taluks of Southern Part of Karnataka, India International Journal of Advanced Earth Science and Engineering 2016, Volume 5, Issue 2, pp. 449-463.

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71. Natashekara.D, **Nagarajau.D**, Siddaraju.K and Balasubramanian.A, Hydrogeochemical Analysis of in and around Mangalore, Dakshina Kannada Distirct, Karnataka State, India. **Submitted** to world journal of engineering Research and technology.vol.5,issue.6,pp-246-262.2017

72. Shivani Hulaji, **Nagaraju.D**, Balasubramanian.A, Siddaraju.K and Honamgond.P.D., Graine Size Analysis of Karli River Esturies Sediments Sindhudurg, Maharashtra, India. International journal of Engineering and Application,Vol.7,issue.10(Part-4)October-2017,pp.41-62.
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76. **D.Nagaraju** Roja H.D,Gaganadeep,Promoda G,Venuprasad A and Nagesh P.C., Identifying Groundwater Potential zone and Recommending Artificial recharge structure in Ongur Sub basin of Varahandhi Basin,Tamil Nadu using GIS and Remote sensing , Journal of Engineering sciences ,Vol.11,issue 7,July,2020,pp 1110-1122.
77. **VitatpaNaleo,Koloukhape,D.Nagaraju** ,Promoda G,and Nagesh P.C., Hydrogeochemical study of Patkai Campus: Dimapur Nagaland,India, Journal of Applied Geology and Geophysics ,Vol.08,issue 4,August,2020,pp 17-31.
78. Basavaraju and **D.Nagaraju**, Morphometric and Subwatershed Analysis of Taraka Watershed,H.D.Kote Taluk,Mysuru District, Karnataka,India Using Remote sensing and GIS techniques., Journal of Current World Environment,Vol.16,No.(3)pp953-962,2021.

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80. Venuprasad A, **D.Nagaraju** Manjunath K and Promoda G,Morphometric interpretation for sub basin Management Planning and Practices in Hassan District,Karnataka,India Using GIS and Remotes sensing, Journal of Geosciences Research,Vol.7,No.2,July,2022,pp 227-234.
81. Promoda Govindaraju Ayyappan Blasubramanian,**Doddaiah Nagaraju** and Vybhav Krishnamurthy ,Water quality Index(WQI) to Evaluate Groundwater Quality in Chickmagaluru District, South Karntaka,India., Journal of Current World Environment,Vol.17,No.1,pp 197-212,2022.
82. Noushin Afshan,**D.Nagaraju**,H.M.Bhanuprakash and P.Gagan Deep'Seasonal analysis of groundwater samples to identify water quality index and comparative statistical analysis of Hunsur raluk,Mysuru,Karnataka,India,SNApplied Sciences, Springer Nature,2022.
83. Pradeepraju N,**D.Nagaraju**, and Sudeep S.R" Suitable Site selections for Artificial recharge structures in Bandhalli Watershed,Chamarajanagar District,Karnataka,India,using Remote sensing and GIS techniques. Current World Environment,Vol.17,No.3,2022,pp
84. Roja H.D,**D.Nagaraju**,Pradeepraju N and Sudeep S.R"Hydrpgeochemical Studies and Groundwater Quality Assessment of the Somwarpet Watershed,Kodugu District,Karnataka,India,Indian Journal of Natural Sciences,Vol.13,issues75/December/2022,pp.506640-50671
85. Roja H.D,**D.Nagaraju**,Pradeepraju N and Sudeep S.R"Drainage Morphometry of Somwarpet Watershed,Kodagu District,Karnataka,India,Journal of Applied Geochemistry,Vol.13,issues75/December/2022,pp.506640-50671
86. Venuprasad A, **D.Nagaraju** Manjunath K and Promoda G" Assessment of groundwater quality for irrigational suitability in part of Arkalgud taluk,Hassan Districtt,Karnataka,India Using Watchit, Journal of Applied Geochemistry,Vol.7,No.2,July,2022,pp 227-234.

87.

#### **POPULAR LECTURES DELIVERED:**

1. Delivered lectures at Administrative training Institute on the topic of Structural and morphological influences in Groundwater flow direction on 29.02.2016
2. Delivered lectures at Administrative training Institute on the topic of Geological and Geomorphological influences in Groundwater flow and distribution on 14.03.2016.
3. Delivered lectures at Administrative training Institute on the topic of Aquifer Parameters and Characteristics of various geological formations on 19.10.2016.
4. Delivered lectures at Department of Studies in Education ,Manasagangotri,Mysuru-570 006,on the topic of Present and Future of Water on 22<sup>nd</sup> March 2021.
5. Delivered lectures at UGC-Human Resource development centre, University of Madras, on the topic of Education of Environmental science in EARTH science 22<sup>nd</sup> November 2022.
- 6.

#### **CHAIRPERSON/REPORTEUR OF THE WORKSHOP/SEMINAR/SYMPOSIUM**

1. Indian social science congress, December 19-23, 2016, National symposium on Geo Scientific Approaches for sustainable Future of life, has acted as Rapporteur of the session.

#### **CONFERENCES/SEMINARS ORGANIZED/ CONDUCTED:**

1. Organized and conducted Four weeks Environmental Education Training program/ refresher course organized as a member at Dept. of geology UOM, 1997.
2. Organized and Conducted National Seminar on Neo-tectonics organized, successfully conducted, paper presented as organizing secretary at Dept of Geology, UOM ,1996.

3. Organized and National Seminar on Petrology and Mineralogy with MSI convention working member of IGC-1998 at Mysore University.
4. Organized III convention of MSI-2001 as organizing Secretary at Mysore. Third convention of Mineralogical society of India and NATIONAL SEMINOR ON 26 Challenges In Precambrian Geology In The New Millennium Jan 2001.paper presented and organized as a organizing secretary at DOS in Geology, UOM.
5. Conducted , One Day Remote sensing exhibition /workshop for the awareness of Remote sensing studies for the benefit of Mysore University Teachers and students Jayalakshmivilas Mansion on 3rd may 2002.
6. Organized the Inter National Seminar on Geoinformatics - 2004 as Organizing Secretary -2004 Dec.13 and 14 at Mysore. DOS in Geology.
7. Organized the work shop on MAP INFO by OMCAD Ltd.– Bangalore at Dept. Geology, university of Mysore, Manasagangothri Mysore. 2005.
8. Conducted the work shop on ERDAS by Licon Ltd. – Bangalore at Dept. Geology, university of Mysore, Manasagangothri Mysore. 2006.
9. Organized and conducted the Two days work shop on Mineral exploration at Dept. Geology, university of Mysore, Manasagangothri Mysore.2009.as a member.
10. Organized and conducted the Two days National Seminar and MSI convention as a member march 17and 18. Dept. Geology, University of Mysore, Manasagangothri Mysore.2009.
11. Organized and member the work shop / Training Programme on ERDAS by Licon Ltd. – Bangalore with the collaboration of main ERDAS Kolkata, for the all staff members at Dept. Geology, University of Mysore, Manasagangothri, Mysore- 2006.
12. Organized and member the Professional Training Programme on Software GEOMATICA by PCI Geomatica Ltd. New Delhi , with the collaboration of main Geomatica, Netherlands for the Final Year Pg Students of 2007-08, at Dept. Geology, University of Mysore, Manasagangothri Mysore.
13. Organized and Conducted the Professional Training Programme on Field Geological Training at the Chitradurga, Field training center, Geological Survey of India, Govt.



of India for the Final Year PG Students of 2006-07. With the collaboration of Hyderabad and Bangalore GSI.

14. Organized and Conducted the Professional Training Programme on Field Geological Training at the Chitradurga, Field training center, Geological Survey of India, Govt. of India for the Final Year PG Students of 2007-08 with the collaboration of Hyderabad and Bangalore GSI.
15. Organized and Conducted the ANNUAL TOUR and Field Geological Training for the Final Year PG Students of 1988-89. South India., Parts of Karnataka, Tamil Nadu and Kerala.
16. Organized and Conducted the ANNUAL TOUR and Field Geological Training for the Final Year PG Students of 1992-93. South India, Parts of Karnataka, Tamil Nadu and Kerala.
17. Organized and Conducted the ANNUAL TOUR and Field Geological Training for the Final Year PG Students of 1998-99, South India, Parts of Karnataka, Tamil Nadu, Goa and Kerala.
18. Organized the Study trip for the PG Students attended and participate in the Lecture Series Seminar at Dharwad, Karnataka University, 2006.
19. Organized the Study trip for the PG Students attended and participate in the Lecture Series Seminar at Kuvempu University, 2007 at Applied Geology Department.
20. Organized the Study trip for the PG Students attend and participate in the Lecture Series Seminar at Mangalore University, 2008 at Marine Geology Department
21. Organized the Study trip for the PG Students attended and participate in the Lecture Series Seminar at Bangalore University, 2009 at Geology Department.
22. Organized and conducted the golden jubilee workshop and Alumni meet 2011 department of earth science on sedimentary basin study on Indian rocks
23. Organized and conducted the International Work Shop on MAGMATIC ORE Deposits (PGE, Ni-Cu-Sulphides, Cr, Ti, &V) 2012 Department of Earth Science University of Mysore. on 1st - 8th December, 2012.

24. Organized and conducted the XIII convention of Mineralogical Society of India and National Seminar on Current trends of Research in Precambrian Geology and Vision 2020. 2013, Department of Earth Science University of Mysore.
25. Organized and conducted the DST PASCE., Project expert committee meeting 2013 Department of Earth Science University of Mysore.
26. Organized Two days Geological field workshop to Post Graduate Students along with Staff Members of the Department on Southern Granulite Terrain of Biligiri-Rangan Granulites, Karnataka, Dharwar Craton and Bababudan Schist Belt in Chikmangalur district, Karnataka; held from 20th & 21st March-2014.
27. Organized and conducted One day National workshop on Precambrian Geology, Department of Studies in Earth Science, Centre for Advanced Studies in Precambrian Geology, University of Mysore, Mysore-570006 on 29th March-2014.
28. Organized One day Training programme on "Surveying using Total Station" at Department of Studies in Earth Science, Centre for Advanced Studies in Precambrian Geology, Manasagangothri, University of Mysore, Mysore, on 10th May-2014.
29. Organized Post Graduate Earth Science Special Lecture Series at Department of Studies in Earth Science, Centre for Advanced Studies in Precambrian Geology, University of Mysore, Manasagangothri, Mysore, Sponsored by Karnataka Science and Technology Academy, Bangalore, from 29th -31st Oct-2014.
30. Organized One-day Prof M.V. Vishwanathaiah Special Endowment Lecture series held on 20th March-2015, in Department of Studies in Earth Science, Centre for Advanced Studies in Precambrian Geology, University of Mysore, Manasagangothri, Mysore, sponsored by UGCCAS, New Delhi.
31. Organized in One-Day XIV Convention of Mineralogical Society of India and National Seminar on Recent Advances in Research on Precambrian Terrains in India, organized by Department of Studies in Earth Science, Centre for Advanced Studies in Precambrian Geology, University of Mysore, Manasagangothri, Mysuru on 31st March-2015, sponsored by University of Mysore, UGC-CAS-I, New Delhi and Mineralogical Society of India (MSI), Mysore.

32. Organized Two-Day Seminar on Benefits of Nuclear & Material Sciences in Day-to-Day life (BNMS-2015) on 21st & 22nd Aug-2015, at Rani Bahadur Auditorium, University of Mysore, organized as part of Centenary Celebrations of University of Mysore and in association with Indian Nuclear Society, Mysore.
33. Organized Four-Days of 103rd Indian Science Congress as a member for ESS section in Department of Studies in Earth Science, CAS in Precambrian Geology, University of Mysore, Mysuru from 4th Jan to 7th Jan -2016.

**PAPERS PRESENTED IN NATIONAL/INTERNATIONAL SEMINARS/ CONFERENCES/SYMPIOSIUMS**

1. D. Nagaraju and J.C.V. Sastri (1998) "Groundwater quality of Malavalli town, Mandya District, Karnataka" Paper Published at the National Seminar on XI Convention of Indian Geological Congress, University of Mysore, Manasagangotri, Mysore, Karnataka.
2. D. Nagaraju and J.C.V. Sastri (1998) "Quality of subsurface waters from deep water wells of Mysore city, Karnataka" Paper Published at the National seminar on XI convention of Indian Geological congress, University of Mysore, Manasagangotri, Mysore.
3. M.V. Satish, H.T.Basavarajappa, A. Balasubramanian and D Nagaraju (1998) Vol 32, No.1 Journal of the Mineralogical Society, Mysore. "Morphometric responses of the Geology and structure in and around Biligiri Rangana Hill ranges".
4. J.C.V.Sastri, D. Nagaraju, S.F.R.Khadri, Trupti Wagh, L. Sandhya Umak, R.W.Ingle, C.S.N.Murthy and S.C.Asodkar (1998). "Integrated hydrogeological appraisal of purana River Basin, Maharashtra, India. Paper published in National Seminar in Amaravathi University on Purana River Salinity.
5. D Nagaraju and J.C.V.Sastri (1997). "Ground water potential zones development strategy in Kabini River basin, Karnataka, India". Paper Published at the National Seminar in Patna, Patna University, and Department of Geology.
6. D. Nagaraju and J.C.V. Sastri (1997). "Aquifer parameter, evaluation and Dug- well design in Kabini River basin,, Karnataka". Paper published at National Symposium in Department of Geology, Anna University, Chennai-600025.

7. H.S.Mahadeswara, D.Nagaraju and M.P.Dharmesh “Geological Control on Groundwater quality in Yelandur Taluk, Chamarajanagar District, Karnataka, India, Paper published in National seminar in Kerala.
8. H.S.Mahadeswara, D.Nagaraju and M.P.Dharmesh “Groundwater Quality of Gundlupet taluk of Chamarajanagar District, Karnataka, India, Published in National Seminar in Kerala.
9. Jayashree and D.Nagaraju “Roof rainwater harvesting” Paper published in National Seminar in Department of Studies in Geography, Manasagangotri, Mysore. Karnataka.
10. D.Nagaraju “Pollution status subsurface drinking waters of Gundlupet town, Chamarajanagar District, Karnataka” Paper published in National Seminar in Department of Studies in Geography, Manasagangotri, Mysore.
11. D.Nagaraju. “Hydrological exploration in Nagamangala taluk, Mandya district, Karnataka, India”. Paper published in National Seminar in Department of Studies in Geology, Shimoga.
12. D.Nagaraju “Groundwater quality of Harve watershed, Chamarajanagar District, Karnataka, India”. Paper published in National Seminar in Department of Studies in Geology, Shimoga.
13. D.Nagaraju “Pollution Status of Subsurface Drinking water of Mandya taluk, Mandya District, Karnataka, India.” Paper published in International Seminar, J.S.S.Mahavidya peetha, Mysore.
14. D.Nagaraju “Groundwater Quality of Lokapavani Micro watershed, Mandya District, Karnataka, India.” Paper published in National Seminar in Department of Industries and Earth science. Tamilnadu. On 27th and 28th March 2008
15. D.Nagaraju “Application of Remote Sensing and GIS techniques for Selecting Artificial Recharge Sites of Groundwater in Udigala Watershed, Chamarajanagar District, Karnataka, India.” Paper published in National Seminar in Department of Industries and Earth science

16. D.Nagaraju “Hydrogeological Investigation in and around Manasagangotri, Mysore”. Paper published in National Seminar in Department of Industries and Earth Science, Tamilnadu.
17. D.Nagaraju”Hydrogeochemical Studies in Kabini River basin, Karnataka, India.” Paper published in National Seminar in Department of Industries and Earth science. Tamilnadu.
18. D.Nagaraju “Groundwater Exploration aided by Study of lineaments for tapping Deeper Potential Aquifer Hard Rock Terrain in Parts of Udigala Watershed.” Paper published in National Seminar in Department of Industries and Earth Science, Tamilnadu.
19. D.Nagaraju “Biomedical Waste Management in and around Mysore city, Karnataka, India.” Paper published in National Seminar in Department of Industries and Earth Science, India.
20. D.Nagaraju “Environmental effects of Arsenic in East of Kurdistan, Iran” paper presented in state level conference in Shridevi Institute of Engineering and Technology 16th and 17th October 2009.
21. J.C.V.Sastri, D.Nagaraju, Tamiru Alemayehu, Deksissa Debele, mulugeta kinfu, Yirga Tadesse, Solomon Waltenigus and Nuri Mohammed. Groundwater Quality status of Addis Ababa, Ethiopia. Paper presented in 20<sup>th</sup> annual congress of the Chemical society of Ethiopia, 1-2 August 2003.
22. D.Nagaraju “Effects of metal ion solution to groundwater in Qorvch Kurdistan, Iran” Paper presented in state level conference in Shridevi Institute of Engineering and Technology 16th and 17th October2009
23. D.Nagaraju “Hydrogeochemical Characteristics of Harve watershed in Chamarajanagar district, Karnataka, India., Iran” paper presented in state level conference in Shridevi Institute of Engineering and Technology 16th and 17th October2009
24. D.Nagaraju “Microbiological quality of Groundwater in Kollegal town, Chamarajanagar District, Karnataka, India.” paper presented in state level

- conference in Shridevi Institute of Engineering and Technology 16th and 17th October.
25. D.Nagaraju Groundwater quality of Harve watershed, Chamarajanagar District, Karnataka, India.” paper presented in National level conference in Centre for Remote sensing school of Geosciences 27th and 28th 2009.
  26. D.Nagaraju “Hydrogeological parameter estimation of Rectangular wells of lokapavani river basin, Mandya District, Karnataka, India.” paper presented in National level conference in Centre for Remote sensing school of Geosciences 27<sup>th</sup> and 28<sup>th</sup> 2009.
  27. D.Nagaraju “Conservation artificial recharge of groundwater to overcome groundwater in Udigala watershed, Chamarajanagar District, Karnataka, India.” paper presented in National level conference in Centre for Remote sensing school of Geosciences 27th and 28th 2009
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