

RESUME

1. **Name** : K.ANBARASU
 2. **Designation** : Assistant Professor
 3. **Contact Address with phone Number and E-mail ID** : Department of Geology,
 Periyar University, Salem-636011
 E-mail: anbarasu.arasu@gmail.com
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 4. **Educational qualification** : M.Sc., Ph.D.

5. Teaching Experience:

Name of the Institution / Organisation	Designation & Scale of Pay	Period		Nature of Work/ Subjects Taught
		From	To	
Department of Geology, Periyar University	Lecturer (01.12.2004 - 01.12.2008) Senior Lecturer (02.12.2008) Assistant Professor (Since 01.01.2006 onwards)	01.12.2004	Till date	Teaching B.Sc,M.Sc. and M.Tech students and research guidance to M.Tech., M.Phill and Ph.D students. Faculty in charge for Geochemistry lab.
Department of Civil Engg. Bannari Amman Institute of Technology,	Lecturer	18.11.2002	30.11.2004	Engineering Geology, Surveying-I, Basics of Remote Sensing and GIS, Geographical Information System-Electives
Department of Applied Geology, Madras University	Guest Lecturer	27.08.2001	30.04.2002	Geotechnics, Mining Geology, Engineering Geology, Economic Geology, Environmental Geology, Mineralogy & optical mineralogy practicals.
Department of Geology, Anna University	Visiting Faculty	16.08.2000	16.08.2001	Engineering Geology
Department of Geology, Anna University	Part-Time Lecturer (Evening Class) B.E. (Civil Engg.)	04.10.2000	30.04.2001	Engineering Geology, and Surveying-I.
Deptt. of Civil Engg., Indian Institute of Technology Madras (IIT-M)	Guest Lecturer (Part-time) B.Tech.(Civil Engg.)	17.07.2000	18.12.2000 (Odd Sem. (July -Dec.))	Engineering Geology to B. Tech students
Department of Applied Geology, Madras University	Guest Lecturer	01.09.1999 01.09.1998	31.05.2000 30.04.1999	Geotechnics, Mining Geology, Engineering Geology, Economic Geology, Environmental Geology, Mineralogy & optical mineralogy practicals
Department of Earth Sciences, Pondicherry University	Part-Time Lecturer (Resource Person)	02.12.1996	18.04.1997	Geophysical Prospecting, Stratigraphy

5. Post-Doctoral Service (PDF/FA): 3 years and 9 months

Institution	Designation & Scale of Pay	Period		Total Period of Service		
		From	To	Years	Months	Days
Institute of Remote Sensing, Anna University	Senior Project Scientist	07.03.2002	17.11.2002	0	8	11
Remote sensing Unit, Institute for Water Studies.	Project Associate	03.10.2001	06.03.2002	0	5	3
Department of Geology, Delhi University.	Scientist - B	04.08.1993	01.04.1996	2	7	27
Total				2	20	41

6. Research Contribution: Books, Articles Published:

a. Publications: 10

Research Papers:

Ali Mohammed Dar, Akhtar R.Mir, K.Anbarasu, M. Satyanarayanan, V. Balaram, D.V.Subba Rao, and S.N.Charan (2014). Mafic and Ultramafic rocks in parts of the Bhavani complex, Tamil Nadu, Southern India: Geochemistry constraints Journal of Geology and Mining Research, Vol. 6(2), pp.18-27

K Anbarasu, Ali Mohammed Dar, A.Karthikeyan and D.Prabhu (2011). Field characteristics and geochemistry of pyroxenite and gabbro from Odhimalai and Thenkalmalai hillocks of Bhavani ultramafic complex-South India. Journal International Multidisciplinary Research Journal, Vol.1(2), pp.20-26

M. Satyanarayanan, V. Balaram, P.J. Sylvester, D.V.Subba Rao, K. ANABARASU and Ali Mohammed Dar (2011). Geochemistry of Late-Archean Bhavani Mafic Ultramafic Complex Southern India: Implication for Platinum group element mineralization. Journal of Applied Geochemistry, vol.13 No.1 pp 1-14.

K Anbarasu, Ali Mohammed Dar, A.Karthikeyan (2011). Geochemistry and petrography of pyroxenites from Mettupalayam Ultramafic Complex, Tamil nadu. Recent Research in Science and Technology 2011, 3(1):

MU. Ramkumar, K. Anbarasu, T. Sugantha, Jyotsana Rai, G.Satish and R. Suresh (2010). Occurrences of KTB exposures and Dinosaur nesting site near Sendurai, India- An initial Report International Journal of Physical Science, Vol. 22(3),pp 573-584.

SATYANARAYANAN, M., SUBBA RAO, D.V., NIRMAL CHARAN, S., ANBARASU, K., KARTHIKEYAN, A., NARSING RAO, S., DASARAM, B., SAWANT, S.S., AND BALRAM,V.(2008). Petrological and Geochemical characteristics of Dunites and associated Granulites of Salem and Nagaramalai areas in Tamilnadu, Southern India. The Indian Mineralogist, Vol.42, pp. 33-43.

ANBARASU, K. 2007. Moral responsibility of geoscientists community. Journal of Current Science, Vol.92, No.12, p.1660.

ANBARASU, K. 2001. Acritarchs from Mesoproterozoic Chitrakoot Formation, Semri Group, Chitrakoot area, central India. Journal of Geological Society of India, Vol.57, pp.179-183.

ANBARASU, K. 2001. Facies variations and environment of deposition of Mesoproterozoic Lower Vindhyan rocks of Chitrakoot area, Central India..Journal of Geological Society of India, Vol.58, pp.341-350.

ANBARASU, K. 2001. (DISCUSSION) Acritarchs from Mesoproterozoic Chitrakoot Formation, Semri Group, Chitrakoot area, central India. Journal of Geological Society of India, Vol.57, pp.561-562.

RESEACH ARTICLES PUBLISED IN SEMINAR /CONFERENCE / BOOK

1. RAMKUAR, Mu., JAYAKUMAR, A., ANBARASU, K., SURESH, R., and POONGODI VIJAYAKUMAR, T., 2008. Suggested course of action for familiarization of IPR. (Eds., Mu.Ramkumar and A.Jayakumar.)INTELLECTUAL PROPERTY RIGHTS DEMYSTIFIED. New India Publishing Agency, New Delhi (India), pp.147 - 150.
2. ANBARASU,K., ESWARAN, R., SAKTHIVEL, K., and BALAKUMAR, P. 2007. Lithosphere : Land and soil. *Activity Guide, PLANET EARTH- our home: explore, share and care*. Published by NCSTC-NETWORK, New Delhi. pp.32-44.

ABSTRACT PUBLISHED IN SEMINAR / SYMPOSIUM / WORKSHOP

1. Ramkumar Muthuvairavasamy , Anbarasu Kuppan, Doris Stueben, Zsolt Berne (June 2009). Environmental and climatic conditions across cretaceous - Tertiary transition in the Cauvery Basin, South India: Evidences from clay and Bulk Mineralogical data. XIV international Clay Conference, Castellaneta Marina-Italy June 14-20, 2009. Page No.148
2. M. Satyanarayanan, V. Balaram, K. ANABARASU., and Ali Mohammed Dar (December 2009). Geochemistry of Late-Archean Bhavani Mafic Ultramafic Complex Southern India: Implication for PGE Mettalogeny. International symposium on Magmatic ore deposits, ISMO-2009, 1st - 4th Decmeber, 2009. Page no. 62-63.
3. RAMKUMAR, Mu., ANBARASU, K., SATHISH, G., SURESH,R., and VENKATESHWARAN, S. 2008. Hyperspectral Remote Sensing of coastal sedimentary terrains: A solution in sight for faster, reliable and cost effective environmental impact assessment ? National seminar on Hyperspectral Remote Sensing and Spectral Signature Database Management system - “HYPERPECT 2008” 14TH AND 15TH February, 2008, Annamalai University, Chidambaram. Pp.12-13.
4. SATYANARAYANAN, M., SUBBA RAO, D.V., NIRMAL CHARAN, S., ANBARASU, K., KARTHIKEYAN, A., NARSING RAO, S., DASARAM, B., SAWANT, S.S., AND BALRAM,V. 2007. Geological, Petrological and Geochemical characteristics of the Dunites and the Associated Granulites of the Salem and Nagaramalai areas in Tamilnadu, southern India. *Conferene Proceeding Volume, IX* Convention of Mineralogical Society of India (MSI-2007) and National Seminar on Exploration for Platinum Group Elements (PGE), Gold & Diamonds in India. 19th - 20th July, 2007. NGRI, Hyderabad, pp. 51 - 52.
5. ANBARASU, K., and RAMKUMAR, Mu., 2007. Hyperspectral Remote Sensing: Precise and rapid analytical method for geological investigations - A Review. *Hyperspectral Signature Database Management system - A Development and Perspective*, NRDMS - DST Advanced Working Group Meet, 3rd and 4th March, 2007, Annamalai University, Chidambaram.
6. ANBARASU, K. and BANERJEE, D.M.1994. Diagenesis, Microfacies changes and Geochemical characteristics of strandline carbonates of Middle Proterozoic rocks of Chitrakoot Formation, Central India. 14th International Sedimentological Congress, Recife, Brazil.
7. BANERJEE, D.M., and ANBARASU, K. 1993. Implications of New Geochemical data on the Palaeotectonic setup of Lower Vindhyan rocks at Chitrakoot. Abs.,DST sponsored Group Discussion on the Vindhyan, Jadavpur University, Calcutta.
8. ANBARASU, K. and BANERJEE, D.M. 1992. Trace and Rare Earth Elemental studies on sedimentary carbonates from Lower Vindhyan strata, Central India: A Preliminary study., First South Asian Geological Congress, Islamabad, Pakistan.
9. BANERJEE, D.M., AND ANBARASU, K. 1992. REE Geochemistry of Upper Proterozoic carbonates from Lower Vindhyan Formation in India. First South Asian Geological Congress, Islamabad, Pakistan.
10. ANBARASU, K.1990. Geochemical studies on the Lower Vindhyan carbonates of Chitrakoot area. Abs., Indian Association of Sedimentology, (VII-VIII Convention), Delhi University, p.54-55.

LECTURES DELIVERED

1. ANBARASU, K. 2004. Delivered a guest lecture on Geographical Information System on 27.03.04. at Department of Civil Engineering, M.P.Nachimuthu M.Jaganathan Engineering College, Chennai.
2. ANBARASU, K. 2000. Lecture notes on Petrology. TNSCST sponsored Training Programme on Importance of Geosciences for School Teachers held during November 8 - 10, 2000. Centre for Geosciences and Engineering, Anna University.

7. Any other academic contributions:

i) Research Supervision:

a) Ph.D. produced	:	2
b) M.Phil. (Completed)	:	2
c) M.Tech. (Completed)	:	2
c) Ph.D. Part-time	:	3
Ph.D. Full time	:	3

Name	Title of the Thesis	Year of Registration	Status of Ph.D
A.Karthikeyan (Part time)	Petrography, Geochemistry and crystallization history of Mafic and Ultramafic rocks of Sittampundi complex and its implications in PGE mineralization.	2005	Continuing
R.Barathi (Part-time)	Hydrogeological and Environmental studies of Minor basin of Noyyal river, Coimbatore District, Tamilnadu.	2007	Completed
R.Palaniswamy (Part time)	Hydrogeological and Pedological studies of Denkanikottai area of Krishnagiri District, Tamilnadu.	2007	Continuing
V.Singaravelu (Part time)	Geohydrological and Environmental studies of Valapady area of Salem District, Tamilnadu.	2007	Completed
Ali Mohammed Dar (Full time)	Petrology and geochemistry of ultramafic rocks of Cauvery Shear Zone- Implication for PGE Metallogeny	2009	Continuing
S.A.Palanisamy	Integrated Hydrogeological studies using Remote Sensing and GIS environment at Vasistanadi (Upper Vellar), Sub-Basin Vellar River, Tamil Nadu, India.	2010	Continuing
S.Rakkiannan (Full Time)	Petrography, Petrogenesis and Geochemistry of Carbonatites exposed in Southern part of Southern Granulitic Terrain (SGT) It's Genetic Relationships and Tectonic Settings	2013	Continuing
P.Gangatharan (Full Time)	Petrology, Mineralogy and Geochemistry of Shear hoisted Synenite Bodies present in Alkaline Complex of Tamil Nadu: Its Implications on Emplacement and Genetic History	2013	Continuing

ii) Research projects:

Title of the Project	Principal Investigator / Co-Investigator	Amount sanctioned	Minor Or Major Project	Period and Year of completion	Funding Agency
Petrology and geochemistry of the late Archean Chromitites and associated ultramafic intrusions from Bhavani Layered Complex in the western part of the Cauvery Shear Zone, Tamil Nadu, Southern India: Implications for PGE metallogeny.	Principal Investigator	Rs.24,74,640/-	Major Project	Three years; 4.11.2008 - 3.11.11	DST
Environmental and Climatic conditions of Cretaceous - Tertiary transition in the Cauvery basin, South Indian (ENCONDIA)	Co-Principal Investigator	Rs.10,55,100/-	Major Project	Three Years; 1.4.2007 - 31.3.2010	UGC

8. a) Paper presented and attended in Conference/ Seminar / Workshop:

1. April 17 - 19, 2013. Participated in the MoES and UGC sponsored National Level Short Term Training programme on Water Resource Development and Management Practices (WATER -2013) Organised by Periyar University, Salem.
2. June, 14 - 20, 2009. Participated in the 14th International Clay Conference held in Castellaneta Marina (Italy) on 14-20 June, 2009
3. February, 14 -15, 2008. Participated in the National seminar on Hyperspectral Remote Sensing and Spectral Signature Database Management system - " HYPERSPECT 2008" Organised by Annamalai University, Chidambaram
4. October, 10 -13, 2007. Participated in the National Brainstorming Workshop on Planet Earth sponsored by Department of Science and Technology, and Organized by Salem Ali Centre for Ornithology and Natural History (SACON), Coimbatore.
5. July, 19 - 20, 2007. Participated in the IX Convention of Mineralogical Society of India (MSI - 2007) and National Seminar on Exploration for Platinum Group Elements (PGE), Gold & Diamonds in India. Organised by NGRI, Hyderabad.
6. March 3 and 4 , 2007. Participated in the Advanced working group meeting on Hyperspectral Signature Database Management system - A Development and Perspective, NRDMS - DST Advanced Working Group Meet, Annamalai University, Chidambaram.
7. *Feb.,1-15, 1983 - Attended a Field Training Programme Organised by Department of Industries And Commerce, Mining And Geology Branch, State Govt., of Tamil Nadu. Salient features of the Field Training 1.Systematic Field mapping; 2. Plane Table Survey 3.Gold Prospecting by Trenching; 4. Aerial Photo Interpretation.*
8. October,10,2001, Chennai : Participated in a day awareness programme entitled, "Natural Hazards and Environment" - Applications of Remote sensing and GIS tools and Conventional methods. Organised by Department of Applied Geology, Madras University, Chennai-25
9. May, 11-31, 1993, Delhi : Participated in the First SERC School in the V Year Cycle of Summer Schools entitled," Databases Numerical Methods and Computer Applications in Modern Approach to Petrology" Organised by Department of Geology, Delhi University & Sponsored by DST.
10. Jan., 2-8, 1994, Dehradun: Participated in an International Field Workshop and Group Discussion On Terminal Proterozoic and Lower Cambrian in India Organised by Palaeontological Society of India, Lucknow, India.

9. Contribution to Teaching/ Academic Environment/ Institutional Corporate life: (Teaching/Extension Activities)

- Conducted All India Geological field work to Chitradurga, Karnataka, for M.Sc., Geology student in the year 2013.
- Conducted Geological field work for final year M.Sc., Geology student in the year 2006.
- Serving as Staff-in-charge of Geochemistry Laboratory, Department of Geology.
- Assisted in designing M.Tech. course and framed syllabus for Environmental geochemistry and Mineral Exploration.
- Assisted in framing syllabus for M.Phil. Course in Geology.
- Assisted in framing syllabus for 5 years integrated M.Sc. program in Geology.

- Actively took part in organizing an awareness programme for school teachers on “Earth Sciences - its present role in Society” on 28th February, 2006, conducted by the Department of Geology, Periyar University.
- Served as Skilled Assistant Examiner for the conductance of B.Sc. Geology Structural Geology and Surveying Examination.
- Chaired a session on panel discussion during National Workshop on IPR sponsored by CSIR.
- Served as campere for three national seminars conducted by the Department of Geology, Periyar University.
- Acted as Observer for other state for conducting PRIDE examinations.
- Member, Food Committee during the conductance of convocation functions held for the years 2005 and 2006.
- Acted as hall superintendent for the conductance of University examines held at Kamadhenu Science and Arts College, Dharmapuri.

10. Details of Refresher Course/Orientation Course attended:

i. Details of Orientation course: -

- Attended 53rd Orientation course conducted by the Academic staff College at the *Department of Economics, Dr. John Matthai Center, Aranattukara, Thrissur* from 11.08.2008 to 07.08.2008.
- Attended Refresher Course in Geosciences conducted by UGC- Academic Staff College, Bharathidasan University, Tircuchirappalli from 28.01.2013 to 17.02.2013

11. Extension and field of outreach activities:

- Contributed in dissemination of geological knowledge for school children. Contributed for the preparation of *Activity Guide, PLANET EARTH- our home : explore, share and care*. Published by NCSTC-NETWORK, New Delhi. pp.32-44.

12. Any other relevant information, please give a brief and specific note. (Membership/Awards etc.)

- Initiated collaborative research work with National Geophysical Research Institute, Hyderabad.
- Member in Panel of Reviewers
 - CIGR (International Commission of Agricultural Engineering) Ejournal - Texas A&M University Biological Agricultural Engineering Department, Texas, USA.
 - Journal of Geological Society of India. Bangalore.
 - Momona Ethiopian Journal of Science (MEJS), Mekelle University, Ethiopia.

13. Foreign Visit:

Italy, France