

## BIO-DATA

Name : Dr. A. Thirunavukkarasu, M.Sc, Ph.D.,  
Designation : Assistant Professor  
Address (Office) : Department of Geology  
Periyar University  
Periyar Palkalai Nagar  
Salem-636 011  
Tamil Nadu  
India  
Email : [thirugeo\\_au@yahoo.co.in](mailto:thirugeo_au@yahoo.co.in)  
Phone : 0427-2345766  
Mob : 91-8220859978  
Date of Birth : 07.06.1978  
Nationality : Indian  
Area of specialization: Petrology, Mineral Exploration, Application of Geospatial Techniques

## ACADEMIC QUALIFICATION

- Ph.D (Geology), Annamalai University, Chidambaram, Tamil Nadu, India,(December 2009)
- P.G. Diploma in Petroleum Exploration, Annamalai University, Chidambaram,(2007-2008)
- P.G. Diploma in Remote Sensing&GIS, Annamalai University, Chidambaram ,(2003-2004)
- M.Sc., (Applied Geology),Annamalai University,Chidambaram, Tamil Nadu,(2005)
- B.Sc., (Geology) Government Arts College, Salem-7, Tamil Nadu, India,(2002)

**NATIONAL LEVEL TEST:** Qualified for State Eligibility Test (**SET**)-2008

## RESEARCH EXPERIENCE

Doctor of Philosophy (Ph.D)- November 2005 – June 2009

- Title of PhD thesis:-“Mapping and Exploration of Iron ore Deposits of Tirthamalai Area, Dharmapuri District, Tamil Nadu State, India using Geo-spatial and Geo-chemical Techniques” *Supervisor:* Dr. S. Rajendran, Senior Lecturer, Department of Earth Sciences, Annamalai Univeristy, Chidambaram.

Master of Science (M.Sc); August 2003 – May 2005

- Title:Studies on Quartz and Feldspar Mines of Poosaripatti Village, Dindugul District and Kodanthur Village, Karur District of Tamil Nadu.

## **PROFESSIONAL EXPERIENCE**

- ❖ Guest Faculty in Department of Geology-Bharathidasan University-(2009-2011)
- ❖ Assistant Professor in Department of Civil Engineering-Tagore Institute of Engineering and Technology-(2011-2012)
- ❖ Associate Professor in Department of Civil Engineering-Tagore Institute of Engineering and Technology-(2012-2013)
- ❖ Assistant Professor in Department of Geology, Periyar University-2013 to till date

## **PROJECT SUBMITTED**

- ❖ The project proposal entitled “Mapping and Exploration of Iron Ore Deposits and Associated Lithological Mineralization’s of Parts of Salem District, Tamil Nadu, India using High Resolution and Hyperspectral Remote Sensing Satellite Data”submitted to Science & Engineering Research Board, Department of Science & Technology (DST),New Delhi.

## **AWARDS AND FELLOWSHIP**

- ❖ Receieved Thiru A. Jayabalan Prize for Second mark in **Hydrogeology and Engineering Geology** , M.Sc., (Applied Geology) from Annamalai University, India for the year (2005).
- ❖ Awarded University Research Studentship from Annamalai University, India for the year (2006-2007)
- ❖ Awarded Rajiv Gandhi National Fellowship (RGNF) by the University Grants Commission (UGC) for the year (2005-2008).

## **TRAINING ATTENDED**

- ❖ Participated NNRMS-ISRO Sponsored National Training Programme On “**HYPER SPECTRAL REMOTE SENSING AND OBJECT ORIENTED IMAGE ANALYSIS (HYPERSPEC ANALYSIS 2008)**” organized by Department of Earth Sciences, Annamalai University during 17-29, December, 2008.
- ❖ Participated NNRMS-ISRO Training programme on **GEOLOGICAL REMOTE SENSING AND GIS** 5<sup>th</sup> to 23<sup>rd</sup> December, 2005 conducted by the Department of Geology Anna University, Chennai.

- ❖ Participated **GEOSPATIAL TECHNOLOGY CONCEPTS & APPLICATIONS** conducted by Centre for Remote Sensing and Geoinformatics, Sathyabama University, sponsored by Natural Resources Data Management System (NRDMS), Department of Science and Technology, 10 Dec to 21th Dec, 2007.
- ❖ Participated Advance Training Course on “**APPLICATION OF REMOTE SENSING, GIS AND GPS IN NATURAL RESOURCE MANAGEMENT**” sponsored by Department of Science & Technology organized by Department of Geography, Dean Dayal Upadhyaya Gorakhpur University, Gorakhpur, (U.P.).
- ❖ Participated 3<sup>rd</sup> Course on **APPLICATION GEOINFORMATICS FOR DISASTER MANAGEMENT** (ISRO sponsored) conducted by the Geological Survey of India Training Institute at Hyderabad from 16<sup>th</sup> April to 16 May, 2007.

#### **WORKSHOPS ATTENDED/PARTICIPATED**

- ❖ Participated in the Workshop on “**Emerging Trends in Geo Spatial Analysis- Modeling and Management**” held between 1<sup>st</sup> and 2<sup>nd</sup> March 2008 in the Department of Geography, University of Madras, Chennai.
- ❖ Participated National Workshop on “**GIS in Earth Resource Management**” (**GEM 2007**) from 25<sup>th</sup> to 27<sup>th</sup>, 2007, Department of Earth Sciences, Annamalai University.
- ❖ Participated CSIR sponsored national workshop on **GEO-IPR** ‘2006 conducted by Department of Geology and Department of Commerce, Periyar University, Salem, on October 5-6’ 2006.
- ❖ Participated in the User Interaction Workshop under Project “**RAINGIS**”, sponsored by DST-NRDMS on 13<sup>th</sup> march 2008.
- ❖ Participated in the Workshop on **Isotope Tracer Techniques for Water Resources Development and Management** on 10<sup>th</sup> April conducted by Department of Earth Sciences, Annamalai University.
- ❖ Participated National Workshop on “**Hyperspectral Remote Sensing Applications and Image Analysis**” Organized between 13<sup>th</sup> February, 2008 at Department of Earth Sciences, Annamalai University, Annamalai Nagar – 608 002, India

- ❖ Participated National Workshop on **Recent Developments in Geospatial Technology** held during March 18-19<sup>th</sup>, 2009 organized by the Department of Geology, School of Geosciences, Bharathidasan University, Tiruchirappalli.

## RESEARCH PUBLICATIONS

1. **Thirunavukkarasu, A** Rajendran S Poovalinga Ganesh, B Shankar, K Raja, S . Rajamanickam M and Maharani, K (2009) Rare Earth Element Geochemistry of Banded Iron Formation of Tirthamalai, Dharmapuri District, Tamil Nadu, India, International Journal of Earth Sciences and Engineering, Vol. 02, No. 05, pp. 403-415.
2. **Thirunavukkarasu, A** Rajendran, S Poovalinga Ganesh, B Shankar, K Raja, S Rajamanickam M and Maharani, K (2008) Trace Element Studies and Origin of Magnetite Quartzite Iron Formations of Northern District of Tamil Nadu, India, Asian Journal of Applied Sciences, Vol. 1, No. 4, pp, 327-333.
3. Raja,S Aravindan S, **Thirunavukkarasu,A** Alaguraja,P Poovalinga Ganesh,B Vengatajalapathi,G (2012) Processing and analyzing advanced high resolution satellite data for identifying iron ore deposits of Precambrian age, International Journal of Advances in Remote Sensing and GIS, Vol.1, No.1, pp.59-75.
4. Raja,S Rajendran,S Poovalinga Ganesh,B **Thirunavukkarasu,A** (2010) Study on Hyperspectral Signatures for Magnetite Iron ore in Thattayengerpet region of Tiruchirappalli district in Tamil Nadu State, India, Internal Journal of Geomatics and Geoscience, Vol.1, No.2, pp.188-196.
5. Poovalinga Ganesh,B Aravindan S, Raja,S **Thirunavukkarasu,A** (2013) Hyperspectral satellite data (Hyperion) preprocessing-a case study on banded magnetite quartzite in Godumalai Hill, Salem, Tamil Nadu, India, Arabian Journal of Geoscience,6:3249-3256
6. **Thirunavukkarasu, A** Rajendran S Poovalinga Ganesh, B Shankar, K Raja, S Rajamanickam M and Maharani K, (2008) Mapping of magnetite ores of Tirthamalai region parts of Dharmapuri district, Tamil Nadu, India, using Multispectral data, Journal of Echo-Chronicle, Vol.3, No. 3, pp, 195-200.
7. Poovalinga Ganesh. B, Rajendran S, **Thirunavukkarasu A** and Baskaran (2006) “Principal Component Analyses for the Geological and Geomorphological Studies Using Landsat TM DATA” 2006, Eco-Chronicle, Vol.1, no.4, pp 187-192 .

8. Rajendran S, **Thirunavukkarasu A** and Poovalinga Ganesh. B, (2006)“Mapping of Regional Geology of Tamil Nadu State in Thermal-Infrared Emissive Spectral region using MODIS Terra Hyperspectral Data”, Eco-Chronicle, Vol.1, no.4, pp.211-214.
9. Kumarasamy, P, Alaguraja, P, Deepasaraswathi, M, Sekar, M, Muthuveerran, P, Yuvaraj, D, **Thirunavukkarasu, A** and Arthur James, R, (2011) “Soil Suitability and Water Quality Study in Tirupur Area using Geographic Information System Techniques”, International Journal of Earth Sciences and Engineering, Vol.4, No.1,pp.85-97
10. Alaguraja, P, Durairaju,S Yuvaraj,D, Sekar,M Muthuveeran,P Manivel,M **Thirunavukkarasu,A** (2010) Land Use Land Cover Mapping-Madurai District, Tamil Nadu, India using Remote Sensing and GIS Techniques, International Journal of Civil and Structural Engineering, Vol.1, No.1, pp.91-100.
11. **Thirunavukkarasu A**, Rajendran S, and Poovalinga Ganesh, B (2008) Significance of Ferride Group Elements in the Origin of Iron Formations of Northern Districts of Tamil Nadu, India, The Indian Mineralogist, Vol. 42, No. 2, pp. 19-29.
12. Poovalinga Ganesh, B Rajendran S, **Thirunavukkarasu A** and Maharani. K (2009)“Visualizing Uncertainty – How Fuzzy Logic Approach can help to Explore Iron Ore Deposits?” Jour. of Indian Soc. of Remote Sensing, Vol.37, pp.1-8.
13. Rajendran. S **Thirunavukkarasu. A**, Poovalinga Ganesh B, Vinod Kumar. K and Bhaskaran G “(2007) Discrimination of low-grade magnetite ores using Remote Sensing Techniques”, Jour. of Indian Soc. of Remote Sensing, Vol.35 pp.153-162
14. Rajendran. S **Thirunavukkarasu. A**, Poovalinga Ganesh B, Shankar K and Maharani. K (2007)“Petrological and Geochemical studies of Amphibolites in parts of Salem District, Tamil Nadu, India”. Indian Mineralogist, Vol.41 no.2, pp 169-175.
15. Rajendran S, **Thirunavukkarasu. A**, and Poovalinga Ganesh B (2007)“Geochemistry of Iron ore deposits of Godumalai and Talamalai regions, Tamil nadu”. Jour. of Applied Geochemist. Vol.9. no.1 pp 28-38.
16. Rajendran S, **Thirunavukkarasu. A**, Poovalinga Ganesh B and Samuel Tahong (2006)“Petrochemical Caharacteristics of Gabbro from Kanjamalai Area, Salem, Tamil Nadu”, Min.Soc. India, vol.40 No.2 pp.141-148.

## PAPERS IN EDITED VOLUME

1. **Thirunavukkarasu. A**, Rajendran, S, Poovalinga Ganesh, B, Maharani, K and Shankar, K, (2009) “**Exploration and Discrimination of Magnetite Ores of Tirthamalai Region, Dharmapuri District, Tamil Nadu State Using IRS P6 LISS IV satellite data**”, Edited volume of Hyperspectral Remote Sensing and Spectral Signature Applications, pp.413-426. published by New India Publishing Agency, New Delhi
2. Rajendran, S, Poovalinga Ganesh, **B**, **Thirunavukkarasu. A**, Maharani, K, Raja, S, Shankar, K, (2009) “**Discrimination of Selected Features from Multispectral Landsat TM Data Using Hyperspectral Tools**”, Edited volume of Hyperspectral Remote Sensing and Spectral Signature Applications, pp.363-371. published by New India Publishing Agency, New Delhi
3. Rajendran, S, Rajamanickam, M and **Thirunavukkarasu, A** (2009) “**Hyperspectral Remote Sensing and Its Applications: An Indian Context, Edited volume of Hyperspectral Remote Sensing and Spectral Signature Applications**”, pp.47-54. published by New India Publishing Agency, New Delhi
4. **Thirunavukkarasu, A**, Rajendran, S and Poovalinga Ganesh, B (2007) “**Mapping of Geology and Structure of Iron Ore Deposits in Parts of Salem District using Remote Sensing Techniques**” Edited volume of **Mineral Exploration Recent Strategies**, pp.143-152, published by New India Publishing Agency, New Delhi.
5. Raja, S, Rajendran, S, Poovalinga Ganesh, B, **Thirunavukkarasu, A** (2010) “Study on Hyperspectral Signatures for Magnetite Iron Ore in Thattayengerpet region of Trichirappalli District in Tamil Nadu State, India”, International Journal of Geomatics and Geosciences, Vol.1, pp.188-196.
6. Maharani, K, Rajendran, S, Poovalinga Ganesh, B, **Thirunavukkarasu, A**, (2010) Structural and Mineralogical Character,s of Molybdenum Bearing Rocks of Harur-Uttangarai Shear Zone Belt, Dharmapuri District, Tamil Nadu, India. Edited volume of Geomatic Based Natural Disaster Mitigations and Managements, pp.205-210.
7. Kumarasamy, P, Alaguraja, P, Deepasaraswathi, Sekar, M, Muthuveeran, P, Yuvaraj.D, **Thirunavukkarasu, A**, Arthur James, R (2010) “**Soil Suitability and Water Quality Study in Tirupur, Tamil Nadu, India Using Geographic Information System Techniques**”, volume of Geomatic Based Natural Disaster Mitigations and Managements, pp.348-355.
- 8.

## CONFERENCE/SEMINAR/SYMPOSIUM/ ATTENDED & PARTICIPATED

- Mar 2014** S. Venkateswaran<sup>1</sup>, R. Kannan<sup>2</sup>, M.Elangomannan<sup>2</sup> and **A.Thirunavukkarasu** (2014) Hydrochemical Characterization of Groundwater in Chinnar Watershed, Cauvery River, Tamil Nadu attended in National Seminar on “Coastal Resources and Management Strategies through Spatial Technology, held at Department of Industries and Earth Sciences, Tamil University, Thanjavur held on 13&14, March 2014. pp 269-280.
- June 2007 B.Poovalinga Ganesh, S.Rajendran and **A.Thirunavukkarasu** “Analysis of Uncertainties in visualizing Remote Sensing and Spatial Data” paper accepted for *poster presentation* and paper published in the proceedings volume in 5<sup>th</sup> International Symposium on “*Spatial Data Quality 2007*”, ITC, Enschede, The Netherlands, June 13-15, 2007. [www.itc.nl/issdq2007](http://www.itc.nl/issdq2007)
- June 2006 S.Rajendran, **A.Thirunavukkarasu** and B.Poovalinga Ganesh “Mapping and Lithological Discrimination of Low Grade Iron Ore Deposits of Talamalai Region, Tamil Nadu, India, Using IRS ID LISS III Data” in the International conference on “*Geoinformatics for Rural Development – Achieving Synergy between Technical and Social Systems*”, organized by Research and Development Cell, Jawaharlal Nehru Technological University, Hyderabad and Geomatics Cell, National Institute for Rural Development (NIRD), Hyderabad, June 5-8, 2006, Abst.Vol. pp.no 42.
- Mar 2009 Shankar K Rajendran S, Aravindan.S, **Thirunavakkarasu A**, K.Maharani, and Raja A (2009) “Water Chemistry of Paravanar River Sub-Basin, Cuddalore District, Tamil Nadu- A Review” paper presented in National Seminar on Recent Trends in Water Research, held between 2 & 3 March, 2009 at Annamalai University, Chidambaram, Abst vol. pp 10-11.
- Feb 2008 Shankar K Rajendran S, Aravindan. S, K.Maharani, and **Thirunavakkarasu A** (2008) “Interpretation of Soil Resources of Paravanar Sub-Basin, Cuddalore District, Tamil Nadu State Using IRS-P6 High Resolution Satellite data” paper presented in National Seminar on “Water Resources, Environment and Earth Sciences for Society”, held between 5-7 February, 2009 at Periyar University, Salem, Abst vol. pp 68.
- Feb 2008 Shankar K Rajendran S, K.Maharani and **Thirunavakkarasu A** (2008) “Study on the Ground Water quality of Cuddalore District using GIS” paper presented in National Seminar on “Geo-Informatics for Natural Resources Management, held between 28-29 February, 2008 at Madras University, Chennai, Abst vol. pp 18

- Feb 2008 Rajendran S, **Thirunavakkarasu A**, K.Maharani and Shankar K (2008) “Spectral signatures of Mineralised zone of part of Musiri and Tattayanagarpettai regions, Tiruchirappalli District, Tamil nadu Using hyperspectral (EO-1) data” paper presented in National Seminar on “Geo-Informatics for Natural Resources Management, held between 28-29 February, 2008 at Madras University, Chennai, Abst vol. pp 9
- Feb 2008 **Thirunavukkarasu A** Rajendran S, K.Maharani and Shankar K (2008) “Interpretation of Regional Geology of Tamil nAdu State using MODIS Terra Hyperspectral Satellite data” paper presented in National Seminar on “Geo-Informatics for Natural Resources Management, held between 28-29 February, 2008 at Madras University, Chennai, Abst vol. pp 12
- Feb 2008 **Thirunavukkarasu A** Rajendran S, Poovalinga Ganesh, B and K.Maharani, Shankar K “Mapping and Discrimination of Magnetite Ores of Tirthamalai Region, Dharmapuri District, Tamil Nadu State, India Using IRS P6 LISS IV Satellite data, A National Seminar on Hyperspectral Remote Sensing and Spectral Signature Database Management system “HYPERSPEC 2008” from 14<sup>th</sup> & 15<sup>th</sup> February – 2008, organized by Department of Earth Sciences, Annamalai University, Chidambaram. Abs. vol. pp. 67
- Feb 2008 Rajendran S, Poovalinga Ganesh, B and K.Maharani and **Thirunavukkarasu A** “Mapping and Discrimination of Magnetite Ores of Tirthamalai Region, Dharmapuri District, Tamil Nadu State, India Using IRS P6 LISS IV Satellite data, A National Seminar on Hyperspectral Remote Sensing and Spectral Signature Database Management system “HYPERSPEC 2008” from 14<sup>th</sup> & 15<sup>th</sup> February – 2008, organized by Department of Earth Sciences, Annamalai University, Chidambaram. Abs. vol. pp. 67
- Mar 2008 Shankar K Rajendran S, K.Maharani, **Thirunavakkarasu A** and Rajamanickam.M (2008) “Study on Water level Fluctuation and Ground Water quality of Cuddalore District, Tamil nadu using GIS” paper presented in National Seminar on “Spatial Modelling and Soft Computing in Water Resources Managemnt, held between 14&15 March, 2008 at Annamalai University, Chidambaram, Abst vol. pp 58-59
- Mar 2008 Shankar K **Rajendran S**, K.Maharani, and **Thirunavakkarasu A** (2009) “Assessment of Ground Water Potential of Paravanar Sub-Basin, Cuddalore District, Tamil Nadu State Under Geomorphological Threshold Using IRS-P6 High Resolution Satellite data” paper presented in National Seminar on “Water & Mineral Resource Informations and Environmental Impacts Analysis using High Resolution Satellite Imageries in the 21st Century”, held between 27 &28 March, 2008 at Tamil University, Tanjore, Abst vol. pp 21.



- Jul 2007 **A.Thirunavukkarasu**, B.Poovalinga Ganesh and S.Rajendran, “Geochemical characters of ferried group of elements and their significance in the origin of iron ore deposits of Northern districts of Tamil Nadu state India” paper presented in “IX convention of Mineralogical society of India (MSI 2007) and National seminar on exploration of PGE, gold and diamonds in India” organized by National Geophysical Research Institute(NGRI), Hyderabad – 500007
- Mar 2007 B.Poovalinga Ganesh, S.Rajendran and **A.Thirunavukkarasu** “Assessment of Environmental Impacts in Landuse Patterns of Magnesite mining area near Salem, Tamil Nadu using Landsat TM data and GIS Techniques” paper presented in the national seminar on “HYDROCARE 2007” held at department of Earth Sciences, Annamalai University, Annamalai Nagar-02. March 22<sup>nd</sup> to 23<sup>rd</sup>, 2007
- Mar 2007 B.Poovalinga Ganesh, S.Rajendran and **A.Thirunavukkarasu** “Remote Sensing Based Investigation of Iron Ore Bands and Associated Geomorphological Features in the Godumali region, Nammakkal, Tamil Nadu” *paper presented* for oral presentation and published in abstract volume at National conference on “*Recent Developments and Opportunities in Exploration Geology and Geo-informatics*”, organized by Department of Geology, Periyar University, Salem-636 011, Tamil Nadu, India. March 7-9, 2007. Abst.vol.pp.71
- Mar 2007 S.Rajendran, **A.Thirunavukkarasu**, B.Poovalinga Ganesh and K.Vinodkumar “Mapping of Regional Geology of Tamil Nadu State in Thermal Infra red Emissive Spectral Region using MODIS Terra Hyperspectral data” participated in the National conference on “*Recent Developments and Opportunities in Exploration Geology and Geo-informatics*”, organized by Department of Geology, Periyar University, Salem-636 011, Tamil Nadu, India. March 7-9, 2007. Abst.vol.pp.54
- Feb 2007 B.Poovalinga Ganesh, S.Rajendran and **A.Thirunavukkarasu**, “Present Status of 3D GIS for Mineral Exploration: A case study in Mapping Iron ore Deposits of Nainarmalai Region, Nammakkal District, Tamil Nadu, India” research paper *published* in abstract volume in the National conference on “*Current Trends in Remote Sensing and GIS Applications*”, organized by Department of Geology and Geophysics, at Indian Institute of Technology, Kharagpur, West Bengal -721 302, India, February 15-17, 2007
- Jan 2007 B.Poovalinga Ganesh, S.Rajendran and **A.Thirunavukkarasu** “Assessment of Environmental Impacts in Different Land use Patterns of Magnesite Mining Area, Near Salem, Tamil Nadu using LANDSAT TM data and GIS Techniques” *paper presented* in the Indian science Congress Association during the 94<sup>th</sup> Indian Science Congress, held at Annamalai University, Chidambaram from January 3 to 7, 2007.

- Jan 2007 Rajendran, S, **Thirunavukkarasu, A** and Poovalinga Ganesh B (2007) “Mapping of Lithological discrimination of Low-grade Iron Ore Deposits of Talamalai region, Tamil Nadu Using IRS-1D LISS III Data” paper presented in the Indian science Congress Association during the 94th Indian Science Congress, held in Annamalai University, Chidambaram from January 3 to 7, 2007. Abst.vol. 40-41
- Mar 2007 **A.Thirunavukkarasu** S.Rajendran and B.Poovalinga Ganesh, “Mapping of Magnetite Ores of Tirthamalai Region using IRS P6 LISS IV data”- participated in the National conference on “*Recent Developments and Opportunities in Exploration Geology and Geo-informatics*”, organized by Department of Geology, Periyar University, Salem-636 011, Tamil Nadu, India. March 7-9, 2007.
- Mar 2007 S.Rajendran, **A.Thirunavukkarasu**, B.Poovalinga Ganesh, and K.Vinod Kumar (2007), “Mapping of Regional Geology of Tamil Nadu State in Thermal-Infrared Emmissive Spectral Region Using MODIS Terra Hyperspectral data”- paper presented at the National conference on “Recent Developments and Opportunities in Exploration Geology and Geo-informatics” organized by Department of Geology, Periyar University, Salem-636 011, Tamil Nadu, India Abst. Vol. pp 54.
- Oct 2007 Muhammad Shabeer K M, Rajendran S, **Thirunavakkarasu A** and Poovalinga Ganesh B (2007) “Structural and Mineralogical Study on Attur-Salem Fault Zones, Reference with Exploration Of Base Metal Deposits”, in South Asian Association of Economic Geologists (SAAEG)sponsored National seminar titled “MAGMATISM, TECTONISM AND MINERALIZATION” conducted by Department of Geology, Kumaun University, Nainital held between 29 and 31, October 2007, Abst.Vol. pp 133-134.
- July 2006 B.Poovalinga Ganesh, S.Rajendran, **A.Thirunavukkarasu** and G.Bhaskaran “Principal Component Analysis for Geological and Geomorphological Studies Using LANDSAT TM Data” *paper presented* in the National Workshop on “*Digital Geography with Special Emphasis on Disaster Management*”, organized by Andra Pradesh Geographical Society (APGEOS) and conducted by National Remote Sensing Agency (NRSA), 30 June - 1 July 2006.
- Mar 2006 B.Poovalinga Ganesh, S.Rajendran, and **A.Thirunavukkarasu** “Mapping of Mineral Deposits in Parts of Salem District, Tamil Nadu, India on the Geomorphological Thrust Hold: A Perspective View for Exploration Of Mineral Deposits in Structural Hill Regions” *paper presented* in the National Seminar on “*Strategy for Mineral Exploration and Exploitation of Mineral, Ore and Oil Deposits in the present context of Economic Scenario – A Thrust on New Horizon (SEEMGES’2006)*”, held in the Department of Earth Sciences, Annamalai University, Annamalai Nagar – 608 002, 9 – 11 March 2006, Abst.vol.pp.73

Mar 2006 S.Rajendran, **A.Thirunavukkarasu** and B.Poovalinga Ganesh, “Mapping of Geology and Structure of Iron Ore Deposits in Parts of Salem District Using Remote Sensing Techniques” *participated* in the National Seminar on “*Strategy for Mineral Exploration and Exploitation of Mineral, Ore and Oil Deposits in the present context of Economic Scenario – A Thrust on New Horizon (SEEMGES'2006)*”, held in the Department of Earth Sciences, Annamalai University, Annamalai Nagar – 608 002, 9 – 11 March 2006, Abst.vol.pp.126-134