M. Pandian

Father's name: Mangan

Date of birth: 01-06-1988

Nationality: Indian

Languages known: English, Tamil, Hindi

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B-1201, Mondeal Heights, Nr. Novotel Hotel, Ramdev Nagar, Ahmedabad, Gujarat 380015

Technical Skills

Operating system	Windows 8.1, 10, server 2012 R2
Area of Interest	Geospatial Engineering, Imagery & Remote sensing
GIS Knowledge Applications	☞ Image processing and classifications ☞ Spatial analytics, ☞ Spectral analysis ☞ SAR ☞ Cadastral mapping ☞ Photogrammetry (Basics)
Software known (RS and GIS)	ArcGIS Desktop 10.5, ArcGIS Pro, ERDAS Imagine, ENVI, QGIS, Surfer, Google Earth Engine, Python (Basic knowledge) and SNAP
Hardware (Field experience)	☞ Global Positioning System (GPS) ☞ Differential Global Positioning System (DGPS) ☞ Total station (Leica GeoSystems and Trimble) ☞ Spectroradiometer ☞ Ground Penetrating Radar (GPR)
Productivity tools	☞ MS Office

Curriculum Vitae

Experience

Work Experience: **6 Years 02 Month's**

Period of service 01.10.2018 to Till date

Position held : **Team Lead - GIS & Remote Sensing**
Project Name : GJ - Crop Area Estimation & Loss Ast_GIS Image Processing, crop health monitoring
Employee : Amnex Infotechnologies Pvt. Ltd, Ahmedabad, Gujarat 380015
Sponsored Agency : Government of India, Gujarat, Andhra Pradesh and Government of Australia

Nature of work:
The project is aimed to crop classification, mapping, CCE, health identification, and Yield estimation using high Resolution satellite image of PLANET data

Period of service 6 months

Position held : **Junior Research Fellow (JRF)**
Project Name : Land Degradation project (Cycle -2)
Sponsored Agency : National Remote Sensing Centre **(NRSC),** Indian Space Research Organisation (**ISRO**), Government of India
Employee : Director, ICAR-CAZRI and RRSC/NRSC Jodhpur, Rajasthan – 342 001

Nature of work:
The project is aimed to Land use/ Land degradation / Desertification mapping

Period of service 1 Year

Position held : **Junior Research Fellow (JRF)**
Project Name : "Modelling the snow properties for their Classification and Identification".
Sponsored Agency : Department of Science & Technology **(DST),** Ministry of Science & Technology, Government of India
Employee : Dean Research, Department of GIS, NIIT University, Neemrana, Rajasthan – 301 705 and Collaboration with DRDO, SASE-Chandigarh

Nature of work:
The project is aimed to Modeling the snow and ice properties for snow and glacier classification and identification. Up scaling of ground data to aerial and space borne Hyperspectral data.

Period of service 3 Years

Position held : **Junior Research Fellow (JRF)**
Project Name : **"COASTA"** (Geomatics based structure, landform and land use / land cover mapping for placer mineral exploration in coastal Tamil Nadu).
Sponsored Agency : Board of Research in Nuclear Sciences **(BRNS)**, Atomic Minerals Directorate for Exploration and Research (**AMD),** Government of India
Employee : Registrar, Center for Remote Sensing, Bharathidasan University, Tiruchirappalli – 620 024

Position held : **Skilled Personnel**
Project Name : **"COMAP"** (Coastal Morpho dynamics, landform and Land use / Land cover based placer mineral exploration for Andhra Pradesh using Remote Sensing and GIS).
Sponsored Agency : Board of Research in Nuclear Sciences **(BRNS)**, Atomic Minerals Directorate for Exploration and Research (**AMD),** Government of India
Employee : Registrar, Center for Remote Sensing, Bharathidasan University, Tiruchirappalli – 620 024

Position held : **Skilled Personnel**

Project Name : **"RoSeTTe"** (Delineation of Teri / Red Sediments, Palaeo shoreline and Land use and Land cover pattern in Vaigai river basin in between Taruvaikulam and Tondi, Tamil Nadu).

Sponsored Agency : Board of Research in Nuclear Sciences **(BRNS)**, Atomic Minerals Directorate for Exploration and Research (**AMD),** Government of India

Employee : Registrar, Center for Remote Sensing, Bharathidasan University, Tiruchirappalli – 620 024

Nature of work:

The project is aimed to identify potential site for placer mineral exploration along the Tamil Nadu and Andhra Pradesh coastal sectors. Identification of the area available for mining in the heavy mineral deposits.

ACADEMIC QUALIFICATION

Degree	Subject / Specialization	University / Institute	Percentage	Year of Passing
Ph.D (Pursuing-Part time)	Geological Remote sensing	Bharathidasan University	-	ongoing
M.Tech (6yr Integrated)	Geo-Technology and Geoinformatics	Bharathidasan University	73.10%	2014
Higher Secondary	Mathematics, Physics, Chemistry, Computer Science	State Board of Education	49%	2005
SSLC	Mathematics, Science, Social Science	State Board of Education	74%	2003

Publications in Journals / Conference (Google Scholar Citation:**48**, h-index:**4** and i10 index: **2**)

- Mahesh Kumar Gaur, R.K. Goyal, M.S. Raghuvanshi, R.K.Bhatt, **M.Pandian**, Ashish Mishra and Suraj Ismail Sheikh (**2019**) Geospatial approach for the extraction of snow and ice cover distribution in cold arid zone of India. *International Journal of System Assurance Engineering and Management (published)*
- Mahesh Kumar Gaur, Mahesh Kumar, K. Sreenivas, R K Goyal, A.K. Bera, S.S. Rao, J.S. Chauhan, Pragya Mehrishi, Prachi Goyal, Ashish Mishra, Suraj Ismail Sheikh, and **M. Pandian**, (**2019**) Land Degradation on the Fringe of Arid Environment of Thar Desert, India – An assessment using Geo-spatial Techniques. *Land Degradation & Development* (*Under Review*)
- **Pandian. M**, Anul haq. M and Prashant Baral, (**2019**) Morphometric Analysis of watershed using Remote Sensing and GIS - A case study of Nanganji River basin in Tamil Nadu, India. *Arabian Journal of Geoscience.* ISSN 1866-7538, Volume 12, Issue 6 pp.2-14 **IF-1.141**
- Dinagara Pandi. P, Palanivel. K and **Pandian. M**, (**2017**) Estimation of Surface Runoff using Remote Sensing and GIS – A case study of Kul Nadi sub watershed, Baran District, Rajasthan. *National Conference on Geospatial Technologies for Rural Development*. ISBN: 978-81-933316-3-7, pp.5-11
- **Pandian. M**, Shruthi. N and Pavithra. K, (**2016**) A Geomatics Approach – Structural mapping and automated lineament extraction in parts of Central Tamilnadu. *International Journal of Geology and Earth Sciences.* ISSN 2395-647X Volume 2, No.4 pp.11-18
- **Pandian. M** and Nandhini. R, (**2016**) Forest Canopy Density and ASTER DEM based Study for Dense Forest Investigation using Remote Sensing and GIS Techniques. *International Journal of Research in Environmental Science and Technology*. ISSN 2249-9695 6(1) pp.1-4
- **Pandian. M** and Kumanan.C.J. (**2014**), Soil Erosion Vulnerability Mapping using Remote Sensing based MMF rule in parts of Coimbatore & Tiruppur districts – Tamilnadu, India. *International Journal of Geomatics and Geosciences*. ISSN 0976 – 4380, Volume 5, No 1, pp 61-73
- **Pandian. M** and Jeyachandran. (**2014**), N Groundwater Quality Mapping using Remote Sensing and GIS – A Case Study at Thuraiyur and Uppiliapuram Block, Tiruchirappalli District, Tamilnadu, India. *International Journal of Advanced Remote Sensing and GIS*, ISSN 2320 – 0243, Volume 3, Issue 1, pp. 580-591. **IF-1.69**
- **Pandian. M**, Rajasimman. UAB and Saravanavel. J, (**2014**), Identification of Groundwater Potential Recharge Zones using WETSPASS Model in parts of Coimbatore & Tiruppur Districts in Tamil Nadu, India. *International Journal of Water Research,* ISSN: 2348-2710, Vol 2, Issue 1, pp 27-32.

- **Pandian. M**, Rajagopal. N, Sakthivel. G and Amrutha. D.E, (**2014**), Land Use and Land Cover Change Detection using Remote Sensing and GIS in parts of Coimbatore and Tiruppur Districts, Tamil Nadu, India*. International Journal of Remote Sensing & Geoscience,* ISSN NO: 2319-3484, Vol3, Issue1, pp 15-20. **IF-1.7** (2015)
- **Pandian. M**, Amrutha. D.E and Sakthivel. G, (**2014**), Lithological, Structural and Geomorphological Mapping Using Remote Sensing and GIS – A Field Based Mapping Part of Salem, Tamilnadu, India. *African Journal of Geo-Sciences Research,* ISSN: 2307-6992, 2(1): pp 16-22.
- **Pandian. M**, Gayathri. D, Kanmani. G.K and Reba Mary Raju, (**2013**), Remote Sensing & GIS based approach for identification of Artificial Recharge Zone – A Case study of Palladam and Tiruppur Block in Tamil Nadu, India. *International Journal of Remote Sensing & Geoscience*, ISSN NO: 2319-3484, Vol 2, Issue 5, Pp 26-32. **IF-1.7** (2015)
- **Pandian. M**, and Kumanan. C.J. (**2013**), Geomatics approach to Demarcate Groundwater Potential zones using Remote Sensing and GIS Techniques in part of Trichy and Karur district, Tamilnadu, India. *Archives of Applied Science Research* (Scholar Research library), ISSN 0975-508X, 5 Vol (2): Pp234-240.

Membership in Professional Bodies

Name of the society	**Status of Membership**
International Society for Photogrammetry and Remote Sensing **(ISPRS)**	Individual Membership (Germany)
Indian Water Resources Society **(IWRS)**	Life Member 15-7583 (IIT – Roorkee)
European Geosciences Union **(EGU)**	Regular Member – EGU-306830 (Germany)
Indian Society of Geomatics **(ISG)**	Life Member – L-1753 (Ahmedabad)
African Association of Remote Sensing of the Environment **(AARSE)**	St Member – 38349865 (2017-18) (Rep. of South Africa)
International Association of Engineers **(IAENG)**	Life Member – 189221

References:

Available upon Request

Declaration:

I hereby declare that all the above mentioned information is true to the best of my knowledge and belief.

Yours Sincerely,

(PANDIAN.M)