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Education:

.M.Sc. 1999: *Tarbiat Modarres University (TMU),”Remote Sensing”*
(Trend:Hydrology & Water Resources)

B.Sc.1995: *Isfahan University of Technology (IUT),”Irrigation Engineering”*

Research Interests:

- Disaster (Drought,Floods,Earthquake) Monitoring & Modeling by Using Remote Sensing Data.
- Remote Sensing Applications in Agricultural Studies. (Including Irrigation ,Vegetation Discrimination Techniques).
- Soil Moisture Estimation by using Active/Passive Microwave Data and Downscaling Techniques (with a focus on statistical models) or Stochastic Downscaling.

Awards:

COSPAR Capacity Building Fellowship Program, 2013-2014, Climatology from Satellites Group, Department of Earth Physics and Thermodynamics, University of Valencia,Spain.

Honors:

- Distinguished Researcher of Iranian Telecommunication Ministry (2005).

Memberships:

Member of the Australian Surveying & Spatial Science Institute (MSSSI) (2010-...)

Permanent Member of “Iranian Society of Surveying & Geomatic Engineering”(2007-...)

Publications:

- Ansari Amoli,A.,Alimohammadi Abbas , **Utilization of Maximum and Minimum-based Multi-temporal NDVI data for Agricultural Landcover / Landuse Mapping in Gilan Province, North of Iran,2010, In Review , (submitted for European Journal of Remote Sensing December 2014)**
- Ansari Amoli,A.,Alimohammadi Abbas,**Rice Area Estimation in North of Iran by Using Multitemporal Classification and AVHRR Data,2011,Space and Landscape Planning ,The Journal of Geography Department, Tarbiat Modarres University, Vol. 35,No.4.,**
- Askari G.,Hafezi Moghaddas N.,Rahimitabar M.R.,Ansari Amoli, A.,**Thermal Infrared Anomaly Assessment before Ravar Earthquake in Iran Occurred on October 15th in 2004 ;2009,The Earth and Space Physics ,The Journal of Geophysics Institutes of Tehran University, Vol. 35,No.4.,**
- Ansari Amoli, A., Alimohammadi ,Abbass, **Comparison of Five Different Techniques of Fractal Dimension Calculation in Estimation of Urumia Lake Area by Using Remote Sensing Data;2008,The XXI Congress The International Society for Photogrammetry and Remote Sensing,2008 Beijing, China,3-11 July.**
- Ansari Amoli,A.,Alimohammadi,A.,2007,**A Fractal Technique,Based Upon Power Laws, for Estimating Earth Objects Area by Using Hyper-spectral Sensing. proceeding of ACRS2007,Kualalampur,Malaysia.**

•Ansari Amoli,A.,2006,**A Multi-temporal Classification Technique in Mapping of Rice Cultivation Areas in North of Iran by Using Hyper-spectral MODIS Data**, Proceeding of "International Conference on Space Technology and Geo-Informatics", Ambassador City Jomtien Hotel,Pattaya,Chon Buri,5-8 November.

•Ansari Amoli,A.,2006,**Drought Monitoring in Iran by Using NOAA/AVHRR**,Proceeding of "International Conference on Space Technology and Geo-Informatics",Ambassador City Jomtien Hotel,Pattaya,Chon Buri,5-8 November.

•Pourasghar,F.,Azarmsa,A.,Moradi H.,Ansari A.,2006,**Studying of Urmia Lake Surface Temperature Variations Using NOAA/AVHRR**,Proceeding of "International Conference on Marine Waste Water Discharges and Coastal Environment",Antalya,Turkey,13-15Sep.

•Ansari Amoli,A.,2005,**Fractal Geometry Application in Calculation of Urmia Lake Area and Perimeter by Hyperspectral MODIS** , Proceeding of "II conference & exhibition on geographic information",Estoril, Lisboa Portugal,May 30 - June 2.
<http://www.gisplanet.org/>

•Ansari Amoli,A.,Alimohammadi,A.,2004,**Mapping of Rice Cultivation Areas in North of Iran by Using Multitemporal Data of AVHRR**, proceeding of ACRS2004,Chiang Mai, Thailand.

•Ansari Amoli,A.,2006,**Inter-planetary Remote Sensing is the Backbone of the Space Programs.**"Space" (Monthly Magazine of Iranian Space Agency),Vol.2-Sep,page 32-43.

•Ansari Amoli,A.,2004,**Comparison of Artificial Neural Network and Maximum Likelihood Method in Satellite Image Classification.**"Space" (Monthly Magazine of Iranian Space Agency),Vol.6-Jan,page 24-32.

•Ansari Amoli,A.,2003,**New Mathematical Trends in Remote Sensing.**"Space"(Monthly Magazine of Iranian Space Agency),Vol.2,September,page 16-21.

•Ansari Amoli,A.,2001,**Drought Monitoring Capability Assessment by Using Remote Sensing Satellite Data**,"payam-e-

ertebatat"(Monthly Magazine of Iranian communications & IT Ministry), No.21 October , page 34-37.

•**Ansari Amoli,A,2001,Urmia Lake Change Detection by Using Remote Sensing Satellite Data, "payam-e-ertebatat"(Monthly Magazine of Iranian communications & IT Ministry), No.21 October,page 30-33.**

•**Ansari Amoli,A.,Harrington D.,Shou Z.,2004,Bam Earthquake Prediction and Space Technology,United Nations/Islamic Republic of Iran Regional Workshop on "The Use of Space Technology for Environmental Security, Disaster Rehabilitation and Sustainable Development",Tehran,Iran,May 8-12.**

•**Ansari Amoli ,A.,Morabbi,M, Drought Monitoring in Iran by Using NOAA-AVHRR,United Nations/Islamic Republic of Iran Regional Workshop on "The Use of Space Technology for Environmental Security,Disaster Rehabilitation and Sustainable Development",Tehran,Iran, May 8-12.**

•**Ansari Amoli,A.,2006,Introducing the Capabilities of NOAA/AVHRR Data Acquired by Iranian Space Agency Ground Station,Iranian Ministry of Power,Tehran,Iran,August 13.**

•**Ansari Amoli,A.,2006,Introducing the Capabilities of Remote Sensing Data Acquired by Iranian Space Agency Ground Station,Iranian Meteorological Organization,Tehran,Iran,August 7.**

•**Ansari Amoli,A.,Alimohammadi,A., A New Multitemporal Classification Approach for Land cover Mapping in Iran by Using Hyperspectral MODIS Data,2007,10th International Symposium on Physical Measurements and Signatures in Remote Sensing (ISPMSRS07),Davos, Switzerland,March 12 - 14.**

•**Ansari Amoli ,A.,Morabbi,M,2005,Drought Monitoring in Iran by Using NOAA-AVHRR Data,13th International Conference on Geoinformatics,Toronto,Canada,August 17-19.**

•**Ansari Amoli,A.,2007, Mapping Irrigated Areas of Iran Using Remote Sensing Data (Chapter 3.11),Global Irrigated Areas, An Assessment from Space-borne sensors, other Geospatial techniques, and from National Statistics,(A Team Work in contributing to the International Water Management Institute) ,The Abstract of All**

Chapters are Accessible via http://www.iwmigmia.org/info/main/book-chapter.asp (eBook)

•Ansari Amoli,A. **Introducing Fractal Geometry and Applications in Remote Sensing** (Book:In Preparation)

Major Projects in the recent years:

- Rice Yield Estimation and Prediction in North of Iran by Using Remote Sensing Data. (2014)
- Drought Modeling by Using Artificial Neural Network and Remote Sensing Data (2013)
- Fractal Geometry Applications in Urban Planning by Using IKONOS Images (2012)
- The Assessment of Recent Thermal Anomalies in Damavand Mountain by Using AVHRR & Hyperspectral MODIS Data.(2007-.....)
- The Assessment of the Relationship between Fractal Dimension and Vegetation Density in order to Estimate Rice Cultivated Areas in North of Iran by Using Hyperspectral MODIS Data.(2006-.....)
- Drought Monitoring in Iran by Using NOAA/AVHRR Satellite Data.(2001-2013)
- Producing NOAA/AVHRR Metadata for Iranian Space Agency Satellite Data Archive, National Archive Project.(2005)
- Caspian Sea Surface Temperature Mapping by NOAA/AVHRR Satellite Data.(2005)
- Land Cover/Land Use Map of Khorasan Province (in the North East of Iran) by Using Satellite Data.(2004)
- Forest Change Detection in “Golestan” Province by multi-temporal MODIS Data(2004)
- Urmia Lake Change Detection During Recent Drought in Iran by Satellite Data.(2004)
- Land Cover/Land Use Map of Semnan Province by Using Satellite Data.(2004)

- "Monitoring & Warning" Project in the field of Earthquake Prediction & Drought Monitoring .(2004-2007)
- Land Cover/Land Use Map of Gilan Province (in the North of Iran) by Using Satellite Data.(2003)
- Vegetation Density Map of Iran by Using NOAA/AVHRR Data.(2003)
- Flood Area Mapping by NOAA Satellite Data in "Bahookalat Watershed in South of Iran"(2003)
- Iran Monthly Vegetation Trend Model by Satellite Data(2002)
- Snow Area Mapping by NOAA/AVHRR Satellite Data.(2001)
- Mid-Infrared Radiation as a Short-Term Earthquake Precursor.

Training Courses :

COSPAR Capacity Building Workshop On "Remote Sensing of the Global Water Circulation to Climate Change" ,3-14 September, 2012, Beijing, National Space Science Center, CAS (NSSC)

- GPS, Iranian Ministry of Telecommunications, 2006, 1-5 September
- ARCGIS, Iranian Space Agency, 2006, April
- Integrated Coastal Zone Management (ICZM) workshop, 2006, Iranian National Center for Oceanography (INCO), Tehran, Iran, 4-6 February.
- Remote Sensing & Geographical Information Systems Technology and Applications in Environmental and Natural Resources, 2001, Center for Space Science Technology Education in Asia and Pacific (CSSTEAP), 27 August –21 September 2002, Dehradun, India.

International Activities:

- Iranian Focal Point in the Regional Space Application Program for Sustainable Development (UNESCAP/RESAP). (2012-...)
- The 17th Session of the Intergovernmental Consultative Committee (ICC) on the Regional Space Applications Programme for Sustainable Development (RESAP), 26-27 November 2013

- High Level Decision Maker Meeting on Implementing the Asia-Pacific Years of Action for Applications of Space Technology and the Geographic Information System for Disaster Risk Reduction and Sustainable Development 2012-2017
27-28 November 2013,Bangkok,Thailand
- Intergovernmental Consultative Committee on Regional Space Applications Programme for Sustainable Development,16th Session,17-18 December,2012,Bangkok, Thailand
- Intergovernmental Meeting on Asia-Pacific Years of Action for Applications of Space Technology and the Geographic Information System for Disaster Risk Reduction and Sustainable Development, 2012-2017
18-20 December 2012,Bangkok, Thailand
- Seventh WMO Consultative Meeting on High-level Policy on Satellite Matters, 2007, Geneva, Switzerland, 19-20 January
- United Nations Regional Workshop on the Use of Space Technology for Disaster Management for Asia and the Pacific, 2002, Bangkok, Thailand, 11-15 November