

R. S. AJIN

Designation : RESEARCH ASSOCIATE
Department : Geomatics Division
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**EDUCATIONAL PROFILE**

- 2012** : **Master of Science (M. Sc.) in Applied Geology**, Department of Applied Geology, School of Earth and Atmospheric Sciences, *University of Madras*, Chennai, Tamil Nadu, India.
- 2010** : **Bachelor of Science (B. Sc.) in Geology**, Department of Geology, Sree Narayana College, Sivagiri, Varkala, Kerala, India. [Affiliated to the *University of Kerala*]

EMPLOYMENT HISTORY

December 2013 – Till date : **RESEARCH ASSOCIATE**, Geomatics Division, **GeoVin Solutions Pvt. Ltd.**, Thiruvananthapuram, Kerala (State), India.

AREAS OF SPECIALIZATION & RESEARCH INTERESTS

- ♥ Remote Sensing & Geographic Information System
- ♥ Natural Resources & Environmental Management
- ♥ Geosites, Geomorphosites, Geoparks & Geotourism
- ♥ Natural Hazards & Disaster Management
- ♥ Engineering Geology & Geomorphology
- ♥ Environmental Geology & Hydrogeology

AWARDS/ACHIEVEMENTS

- ✓ **First Rank** in M. Sc. Applied Geology (2012) from the *University of Madras*, Chennai, Tamil Nadu (State), India.

MEMBERSHIP IN PROFESSIONAL SOCIETIES/ASSOCIATIONS

1. Life Member, **Indian Society of Geomatics [ISG]**, Space Applications Centre (ISRO), Ahmedabad, Gujarat, India. (Membership No: **L-1676**)
2. Individual Member for the year 2017, **International Society for Photogrammetry and Remote Sensing [ISPRS]**, Hannover, Germany.
3. Member, **Geoengineering and Geomatics** section, **International Engineering and Technology Institute [IETI]**, Hong Kong. (Membership No: **20170021GG**)
4. Member, **Asia Pacific Institute of Science and Engineering [APISE]**, Hong Kong. (Membership No: **m20170301014**)
5. Member, **International Association of Engineers [IAENG]**, Hong Kong. (Membership No: **186926**)
6. Member, **Hong Kong Chemical, Biological & Environmental Engineering Society [HKCBES]**, Hong Kong. (Membership No: **202353**)

MEMBERSHIP IN EDITORIAL BOARDS/SCIENTIFIC COMMITTEES

1. Editorial Board Member & Reviewer, **International Journal of Applied Remote Sensing and GIS**, GSS Journals, Lucknow, India. [ISSN: 2394-8698, E-ISSN: 2395-4388]
2. Reviewer Board Member, **Journal of Astronomy & Earth Sciences Education**, University of Wyoming, Wyoming, United States of America. [ISSN: 2374-6246, E-ISSN: 2374-6254]
3. Reviewer, **Journal of Wetlands Biodiversity**, Department of Natural Sciences, Museum of Braila "Carol I", Braila, Romania. [ISSN: 2247-0506, ISSN-L: 2247-0506]
4. Reviewed a paper titled *"The impact exerted by slope and slope height on the soil gravity erosion in the dry-hot valley of Jinsha River in the case of simulated rainfall"* for 'The 4th International Conference on Agricultural and Biological Sciences (ABS 2018)', Organized by *Bosen Academic Conference Solutions (China)* and to be held in Hangzhou, Zhejiang, China; during 26th – 29th June, 2018.
5. Reviewed a paper titled *"Arsenic release, subsequent water toxicity and associated public health risks in lower Indus region of Sindh Province, Pakistan"* for 'The 4th International Conference on Water Resource and Environment (WRE 2018)', Organized by *Bosen Academic Conference Solutions (China)* in association with the *Department of Civil and Ecological Engineering, I-Shou University (Taiwan)* and to be held in Kaohsiung City, Taiwan; during 17th – 20th July, 2018.
6. Reviewed a paper titled *"Study on flood control and rainwater utilization in airports, China"* for 'The 4th International Conference on Water Resource and Environment (WRE 2018)', Organized by *Bosen Academic Conference Solutions (China)* in association with the *Department of Civil and Ecological Engineering, I-Shou University (Taiwan)* and to be held in Kaohsiung City, Taiwan; during 17th – 20th July, 2018.
7. Reviewed a paper titled *"A study on the effects of land restoration on the texture, nutrient and stoichiometric characteristics of degraded agricultural soil"* for 'The 4th International Conference on Agricultural and Biological Sciences (ABS 2018)', Organized by *Bosen Academic Conference Solutions (China)* and to be held in Hangzhou, Zhejiang, China; during 26th – 29th June, 2018.
8. Reviewed a paper titled *"Characteristics of stable hydrogen and oxygen isotopes of soil moisture under different land use types in dry hot valley of Yuanmou"* for 'The 4th International Conference on Agricultural and Biological Sciences (ABS 2018)', Organized by *Bosen Academic Conference Solutions (China)* and to be held in Hangzhou, Zhejiang, China; during 26th – 29th June, 2018.
9. Reviewed a paper titled *"R/S-GM(1,2) model of long-term annual runoff prediction"* for 'The 4th International Conference on Water Resource and Environment (WRE 2018)', Organized by *Bosen Academic Conference Solutions (China)* in association with the *Department of Civil and Ecological Engineering, I-Shou University (Taiwan)* and to be held in Kaohsiung City, Taiwan; during 17th – 20th July, 2018.
10. Reviewed a paper titled *"Research on soil quality under traditional drainage and ecological water storage mode"* for 'The 4th International Conference on Agricultural and Biological Sciences (ABS 2018)', Organized by *Bosen Academic Conference Solutions (China)* and to be held in Hangzhou, Zhejiang, China; during 26th – 29th June, 2018.
11. Reviewed a paper titled *"Geospatial technology for sustainable water diversion planning in Western Ghats area, Maharashtra, India"* for 'The 4th International Conference on Water Resource and Environment (WRE 2018)', Organized by *Bosen Academic Conference Solutions (China)* in association with the *Department of Civil and Ecological Engineering, I-Shou University (Taiwan)* and to be held in Kaohsiung City, Taiwan; during 17th – 20th July, 2018.

12. Reviewed a paper titled *“Unusual climatic events impact on crop cultivation and its consequences on farmer’s livelihood in rural Bangladesh”* for ‘The 4th International Conference on Agricultural and Biological Sciences (ABS 2018)’, Organized by *Bosen Academic Conference Solutions (China)* and to be held in Hangzhou, Zhejiang, China; during 26th – 29th June, 2018.
13. Reviewed a paper titled *“Dynamics of Greenhouse gases emission fluxes of different Calamagrostis angustifolia wetlands in Sanjiang plain”* for ‘The 4th International Conference on Agricultural and Biological Sciences (ABS 2018)’, Organized by *Bosen Academic Conference Solutions (China)* and to be held in Hangzhou, Zhejiang, China; during 26th – 29th June, 2018.
14. Reviewed a paper titled *“Declining potential yield and rain-fed yield of corn in the Corn Belt of Northeastern China during the past three decades”* for ‘The 4th International Conference on Agricultural and Biological Sciences (ABS 2018)’, Organized by *Bosen Academic Conference Solutions (China)* and to be held in Hangzhou, Zhejiang, China; during 26th – 29th June, 2018.
15. Reviewed a paper titled *“Spatial and temporal analysis of water quality from 1991 to 2011 in Miyun Reservoir by using multivariate statistical methods”* for ‘The 4th International Conference on Water Resource and Environment (WRE 2018)’, Organized by *Bosen Academic Conference Solutions (China)* in association with the *Department of Civil and Ecological Engineering, I-Shou University (Taiwan)* and to be held in Kaohsiung City, Taiwan; during 17th – 20th July, 2018.
16. Reviewed a paper titled *“The time-effect model of nitrogen and phosphate uptake by Potamogeton crispus L in eutrophic water body”* for ‘The 4th International Conference on Water Resource and Environment (WRE 2018)’, Organized by *Bosen Academic Conference Solutions (China)* in association with the *Department of Civil and Ecological Engineering, I-Shou University (Taiwan)* and to be held in Kaohsiung City, Taiwan; during 17th – 20th July, 2018.
17. Reviewed a paper titled *“Temperature changes reconstructed by tree rings in Pan-Hexi region and their response to global climate changes”* for ‘The 4th International Conference on Water Resource and Environment (WRE 2018)’, Organized by *Bosen Academic Conference Solutions (China)* in association with the *Department of Civil and Ecological Engineering, I-Shou University (Taiwan)* and to be held in Kaohsiung City, Taiwan; during 17th – 20th July, 2018.
18. Reviewed a paper titled *“Study on optimization of sea ice concentration with adjoint method”* for ‘The 4th International Conference on Water Resource and Environment (WRE 2018)’, Organized by *Bosen Academic Conference Solutions (China)* in association with the *Department of Civil and Ecological Engineering, I-Shou University (Taiwan)* and to be held in Kaohsiung City, Taiwan; during 17th – 20th July, 2018.
19. Reviewed a paper titled *“Correlation between Nabkha formation ability and Silhouette layer parameters of desert plants”* for ‘The 4th International Conference on Water Resource and Environment (WRE 2018)’, Organized by *Bosen Academic Conference Solutions (China)* in association with the *Department of Civil and Ecological Engineering, I-Shou University (Taiwan)* and to be held in Kaohsiung City, Taiwan; during 17th – 20th July, 2018.
20. Reviewed a paper titled *“Tree-ring reconstructed climate changes in Qilian mountains at east Qinghai-Tibet plateau”* for ‘The 4th International Conference on Water Resource and Environment (WRE 2018)’, Organized by *Bosen Academic Conference Solutions (China)* in association with the *Department of Civil and Ecological Engineering, I-Shou University (Taiwan)* and to be held in Kaohsiung City, Taiwan; during 17th – 20th July, 2018.
21. Reviewed a paper titled *“The main influencing factors of soil mechanical characteristics on the gravity erosion environment in the dry-hot valley of Jinsha river”* for ‘The 4th International Conference on Agricultural and Biological Sciences (ABS 2018)’, Organized by *Bosen*

- Academic Conference Solutions (China)* and to be held in Hangzhou, Zhejiang, China; during 26th – 29th June, 2018.
22. Served as a Reviewer for the “**2017 International Conference on Environmental, Industrial and Energy Engineering (EI2E 2017)**”, Organized by the *Asia Pacific Institute of Science and Engineering (Hong Kong)* and held in Shanghai, China; during 19th – 22nd October, 2017.
 23. Served as a Reviewer for the “**International Conference on Remote Sensing for Disaster Management (ICRSDM-2017)**”, Organized by the *Department of Geo-Engineering, Andhra University College of Engineering (A)*, Visakhapatnam, Andhra Pradesh, India; and held during 11th – 13th October, 2017.
 24. Served as a Reviewer for the “**9th International Conference on Natural Hazards (NAHA ‘17)**”, Organized by the *World Scientific and Engineering Academy and Society (Bulgaria)* and held in Corfu Island, Greece; during 24th – 26th August, 2017.
 25. Reviewed a paper titled “*Spatio-temporal changes in potential evaporation and possible causes based on SCRAQ method: A case study in the Wei River Basin, China*” for “**The 3rd International Conference on Water Resource and Environment (WRE 2017)**”, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
 26. Reviewed a paper titled “*The relationship and dynamics between the migration of arsenic in soil and water: A case study from the Hetao area, Inner Mongolia*” for “**The 3rd International Conference on Water Resource and Environment (WRE 2017)**”, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
 27. Reviewed a paper titled “*Risk assessment of groundwater environmental contamination: A case study of a Karst developed site for the construction of a fossil power plant*” for “**The 3rd International Conference on Water Resource and Environment (WRE 2017)**”, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
 28. Reviewed a paper titled “*Research on green total-factor productivity of water resources under environmental constraints and its influencing factors in China*” for “**The 3rd International Conference on Water Resource and Environment (WRE 2017)**”, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
 29. Reviewed a paper titled “*Research on the mathematical model for the variation characteristics of the turbidity and COD of the storing rainwater considering the factor of time changing*” for “**The 3rd International Conference on Water Resource and Environment (WRE 2017)**”, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
 30. Reviewed a paper titled “*Study on ship-borne GNSS-R Delay-Doppler Map for retrieval of oil spill*” for “**The 3rd International Conference on Water Resource and Environment (WRE 2017)**”, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
 31. Reviewed a paper titled “*Integrating landscape, geochemistry and economy view to analyze watershed ecological environment - The analysis of relationships between the economic indices, heavy metal elements and landscape pattern indices*” for “**The 3rd International Conference on Water Resource and Environment (WRE 2017)**”, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.

32. Reviewed a paper titled "*Effect of the tide current on the transport of salt water from the North Branch in the Yangtze River Estuary*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
33. Reviewed a paper titled "*Investigating the effects of multi-pollution resources on water quality in a watershed*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
34. Reviewed a paper titled "*Novel approaches in sub-surface parameterisation to calibrate groundwater models*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
35. Reviewed a paper titled "*Remote sensing-based extraction of summer snowline and analysis of its variation characteristics in Xinjiang*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
36. Reviewed a paper titled "*Evaluation of mangrove ecosystem service functions for Ximen island marine specially protected areas in Yueqing bay, China*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
37. Reviewed a paper titled "*Storm surge characteristics and extreme parameters in the Chengshantou sea area*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
38. Reviewed a paper titled "*Nitrate-nitrogen contamination in groundwater: spatiotemporal variation and driving factors under cropland in Shandong province, China*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
39. Reviewed a paper titled "*Evaluation of water resources system vulnerability based on cooperative co-evolutionary genetic algorithm and projection pursuit model under the DPSIR framework*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
40. Reviewed a paper titled "*The numerical simulation of underground water and the immersion area prediction of downstream area in right auxiliary dam of Shifosi reservoir*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
41. Reviewed a paper titled "*Annual runoff prediction of the upstream of Heihe river basin, China*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
42. Reviewed a paper titled "*Influence of environmental variables on benthic macroinvertebrate communities in a shallow eutrophic lowland lake (Ge lake, China)*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.

43. Reviewed a paper titled "*Study on hydrologic seasons in the lower reaches of Lancang river*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
44. Reviewed a paper titled "*Comparison of benthic invertebrate communities and driving factors for different types of ponds under river habitat modification in water deficient area*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
45. Reviewed a paper titled "*Assessment and zoning of non-point source pollution by multi-criteria analysis - A case study in the watershed of Beijing*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
46. Reviewed a paper titled "*Risk assessment of urban flood disaster in Jingdezhen City based on AHP-GIS*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
47. Reviewed a paper titled "*Assessment of groundwater vulnerability based on DRASTIC model in the Tandula watershed, Chhattisgarh state, India*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
48. Reviewed a paper titled "*Determination of water surface profile in open canals using a new fuzzy modelling technique (SMRGT)*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
49. Reviewed a paper titled "*Dust emissions from degraded wetland nature reserve in Inner Mongolia, China*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
50. Reviewed a paper titled "*Analysis of rainfall features and calculation on rainfall pattern of short duration rainstorm in Wuhan*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
51. Reviewed a paper titled "*Characteristics of rainfall in Peninsular Malaysia*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
52. Reviewed a paper titled "*Flood severity index in Klang Valley, Malaysia*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
53. Reviewed a paper titled "*Spatial-temporal dynamics of NDVI and its response to climate factors in the Heihe River Basin, China from 1998 to 2012*" for "The 3rd International Conference on Water Resource and Environment (WRE 2017)", Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.

54. Reviewed a paper titled *“Integrated ecological risk assessment of drought and flood disaster based on GIS”* for *“The 3rd International Conference on Water Resource and Environment (WRE 2017)”*, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
55. Reviewed a paper titled *“Analyzing the impact of climate change on natural vegetation greenness in the middle-reaches region of the Chinese Heihe Basin using improved Statistical Vegetation Index Simulation (SVIS) model”* for *“The 3rd International Conference on Water Resource and Environment (WRE 2017)”*, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
56. Reviewed a paper titled *“The role of communities, NGOs and institutions for sustainable development of water resource in Pasol Gad watershed of Garhwal Himalaya, India”* for *“The 3rd International Conference on Water Resource and Environment (WRE 2017)”*, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
57. Reviewed a paper titled *“Drought-waterlog encounter probability research between the diversion region and benefited region in the Middle Route of South-to-North Water Transfer Project”* for *“The 3rd International Conference on Water Resource and Environment (WRE 2017)”*, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
58. Reviewed a paper titled *“Numerical studies on groundwater-grassland relation in an inland arid region, China”* for *“The 3rd International Conference on Water Resource and Environment (WRE 2017)”*, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
59. Reviewed a paper titled *“Characteristics of precipitation in the rainy season of Koxkar Glacier, Tianshan Mountains, China”* for *“The 3rd International Conference on Water Resource and Environment (WRE 2017)”*, Organized by *Bosen Academic Conference Solutions (China)* and held in Qingdao, China; during 26th – 29th June, 2017.
60. Served as a Reviewer for the *“2017 International Conference on Environmental and Energy Engineering (IC3E 2017)”*, Organized by the *Asia Pacific Institute of Science and Engineering (Hong Kong)* and held in Suzhou, China; during 22nd – 24th March, 2017.
61. Served as a Scientific Reviewer (2016) of Research Projects Supported by the *“Leading Integrated Research for Agenda 2030 in Africa (LIRA 2030 Africa)”*, Implemented by the *International Council for Science (ICSU)*, France in Partnership with the *Network of African Science Academies (NASAC)*, Kenya and the *International Social Science Council (ISSC)*, France.

SHORT TERM COURSES COMPLETED

1. Online Course on *“Introduction to Environmental Education”*, Conducted by the *Cornell University*, United States of America; during September 12 – October 16, 2017. [Expert Certificate]
2. MOOC on *“ECHOES IN SPACE – Introduction to Radar Remote Sensing”*, Conducted by the *European Space Agency*, France; Completed on November 6, 2017. [5 Week Course]
3. Online Course on *“Climate Change Science, Communication, and Action”*, Conducted by the *Cornell University*, United States of America; during September 11 – September 30, 2017. [Expert Certificate]
4. MOOC on *“Ecosystem Services: A Method for Sustainable Development”*, Conducted by the *University of Geneva*, Switzerland; Completed on October 24, 2017. [5 Week Course]

5. MOOC on “**Mountains 101**”, Conducted by the *University of Alberta*, Canada; Completed on September 24, 2017. [12 Week Course]
6. MOOC on “**The Effect of Fires on People, Property and the Environment**”, Conducted by the *University of Maryland, College Park*, United States of America; Completed on September 18, 2017. [6 Week Course]
7. MOOC on “**Oceanography: A Key to Better Understand Our World**”, Conducted by the *University of Barcelona (Spain)* in association with the *Barcelona Foundation for Ocean Sailing (FNOB)*, Spain; Completed on August 12, 2017. [7 Week Course]
8. MOOC on “**Introduction to Geographic Information Systems (GIS)**”, Conducted by the *University of West Florida*, United States of America; during 2017 Summer (May 15 – June 26). [Certificate with 3 Continuing Education Units (CEU’S)]
9. MOOC on “**Land Tenure and Property Rights 2.0**”, Conducted by the *United States Agency for International Development (USAID)*, United States of America; Certificate Awarded on June 2, 2017. [January 23 – May 31, 2017]
10. Online Course on “**Urban Environmental Education - Expert Certificate**”, Conducted by the *Cornell University*, United States of America; Completed on June 8, 2017. [2 Week Course]
11. MOOC on “**Maps and the Geospatial Revolution**”, Conducted by the *Pennsylvania State University*, United States of America; Completed on May 23, 2017. [5 Week Course].
12. Online Course on “**Urban Environmental Education - Achievement Certificate**”, Conducted by the *Cornell University*, United States of America; Completed on May 16, 2017. [6 Week Course]
13. MOOC on “**Water Resources Management and Policy**”, Conducted by the *University of Geneva*, Switzerland; Completed on April 6, 2017. [5 Week Course]
14. MOOC on “**Origins – Formation of the Universe, Solar System, Earth and Life**”, Conducted by the *University of Copenhagen*, Denmark; Completed on March 21, 2017. [12 Week Course]
15. MOOC on “**Small Unmanned Aircraft Systems (sUAS) – Key Concepts for New Users**”, Conducted by the *Embry-Riddle Aeronautical University-Worldwide*; Completed on February 19, 2017. [2 Week Course from February 6 to February 19, 2017]
16. MOOC on “**Disaster Preparedness**”, Conducted by the *University of Pittsburgh*, United States of America; Completed on February 15, 2017. [7 Week Course]
17. MOOC on “**Introduction to Geographic Information Systems (GIS)**”, Conducted by the *University of West Florida*, United States of America; during 2016 Summer (May 16 – June 30). [Certificate with 3 CEU’S]
18. Global Online Course on “**Environmental Education: Transdisciplinary Approaches to Addressing Wicked Problems**”, Conducted by the *Cornell University*, United States of America; during February 1 – April 24, 2016. [Achievement Certificate]

TRAINING PROGRAMMES ATTENDED

ONSITE

1. “**Training Programme on Geo-spatial Technologies for Planning and Management of Watershed Projects**”, Conducted by the *National Institute of Rural Development & Panchayati Raj (NIRD&PR)*, Hyderabad, India; during December 15 – 20, 2014.

2. **“Training Programme on Application of Remote Sensing and GIS in Agricultural Development”**, Conducted by the *National Institute of Agricultural Extension Management (MANAGE)*, Hyderabad, India; during August 18 – 22, 2014.
3. Household survey to **“Understand the resilience of residents to climate-related disasters in the wards 79 and 131 of Chennai Corporation”**, Conducted under the bilateral collaboration between *Kyoto University* (Japan) and *University of Madras* (India); during May 16 – June 15, 2011. [Internship]

ONLINE

1. 4 hour training course on **“FME 2015 Desktop for Esri”**, Conducted by *Safe Software, Incorporated*, Canada; on August 20, 2015.
2. 8 hour training course on **“FME 2015 Basic Desktop”**, Conducted by *Safe Software, Incorporated*, Canada; during April 28-29, 2015.
3. 8 hour training course on **“FME 2015 Desktop Advanced”**, Conducted by *Safe Software, Incorporated*, Canada; during March 31-April 1, 2015.
4. 4 hour training course on **“2015 FME Desktop for Raster”**, Conducted by *Safe Software, Incorporated*, Canada; on March 12, 2015.
5. 8 hour training course on **“FME Desktop”**, Conducted by *Safe Software, Incorporated*, Canada; during February 17-18, 2015.
6. 4 hour training course on **“FME and Smallworld”**, Conducted by *Safe Software, Incorporated*, Canada; on November 6, 2014.
7. 8 hour training course on **“FME Server”**, Conducted by *Safe Software, Incorporated*, Canada; during July 29-30, 2014.
8. 8 hour training course on **“FME Desktop Online”**, Conducted by *Safe Software, Incorporated*, Canada; during July 22-23, 2014.
9. 8 hour training course on **“FME Server Authoring”**, Conducted by *Safe Software, Incorporated*, Canada; during July 8-9, 2014.

SCIENTIFIC EVENTS ATTENDED**CONFERENCE**

1. International Open Science Conference on **“Global Environmental Change - Challenges and Innovations”**, Organized by the Department of Applied Geology, *University of Madras*, Chennai, India; during February 21 – 24, 2012.

SCIENTIFIC CONGRESS

1. **26th Kerala Science Congress** with focal theme on **“Traditional Knowledge”**, Organized by the *Kerala State Council for Science, Technology and Environment (KSCSTE)* in association with the *Jawaharlal Nehru Tropical Botanic Garden and Research Institute (JNTBGRI)*, Palode, Thiruvananthapuram, and the *Centre for Water Resources Development and Management (CWRDM)*, Kunnamangalam, Kozhikode, and held at Kerala Veterinary and Animal Sciences University (KVASU), Pookode (Wayanad), Kerala, India; during January 28 – 31, 2014. [Presented a Poster]

WORKSHOP

1. Stakeholders Workshop on “**Climate and Disaster Resilience of Local Residents in Chennai**”, Organized by the *Kyoto University* (Japan) & the *University of Madras* (India) at Chennai; on August 24, 2011.

SEMINAR

1. KSCSTE Co-Sponsored National Seminar on “**Recent Trends in Earth Resource Management**”, Organized by the Post Graduate Department of Geology, *Sree Narayana College*, Sivagiri, Varkala, Kerala (State), India; on March 10, 2016.
2. KSCSTE Sponsored National Seminar on “**Climate Change, Environmental Issues and Sustainable Development**”, Organized by the Department of Science & Humanities, *Mar Athanasius College of Engineering*, Kothamangalam, Kerala (State), India; during December 4 – 5, 2014.
3. University Grants Commission (UGC) Sponsored National Seminar on “**Urban Environment Issues – With Special Focus on Cochin**”, Organized by the Department of Zoology, *Sacred Heart College*, Thevara, Ernakulam, Kerala (State), India; during December 2 – 3, 2014.

RESEARCH PUBLICATIONS

IN EDITED BOOK

1. P. G. Vinod, A. R. R. Menon, **R. S. Ajin** and R. V. Chinnu (2014). RS & GIS based spatial mapping of flash floods in Karamana and Vamanapuram River Basin, Kerala, India. **In:** N. B. Narasimha Prasad, P. S. Harikumar, E. J. Joseph, Girish Gopinath, T. R. Resmi, U. Surendran, and G. K. Ambili (Eds.), *Integrated Water Resources Management, Volume – II [Proceedings of the International Symposium on Integrated Water Resource Management (IWRM – 2014), Organized by the Centre for Water Resources Development and Management (CWRDM), Kunnamangalam, Kozhikode, Kerala, India; during 19-21 February, 2014]*, pp. 1236-1243. Allied Publishers Pvt. Ltd., India. [ISBN: 978-81-8424-906-4]

IN JOURNALS

1. **R. S. Ajin**, Ana-Maria Loghin, P. G. Vinod and Mathew K. Jacob (2018). Flood hazard zone mapping in the tropical Achankovil River Basin in Kerala state, India: A study using RS and GIS techniques. *Journal of Wetlands Biodiversity*. [ISSN: 2247-0506, ISSN-L: 2247-0506] (ACCEPTED)
2. H. S. Veena, **R. S. Ajin**, Ana-Maria Loghin, Rabina Sipai, P. Adarsh, Arya Viswam, P. G. Vinod, Mathew K. Jacob and M. Jayaprakash (2017). Wildfire risk zonation in a tropical forest division in Kerala, India: A study using geospatial techniques. *International Journal of Conservation Science*, 8(3), pp. 475-484. [ISSN: 2067-533X, E-ISSN: 2067-8223]
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15. **R. S. Ajin**, Mathew K. Jacob and P. G. Vinod (2014). Tsunami vulnerability mapping using remote sensing and GIS techniques: A case study of Kollam district, Kerala, India. *Iranian Journal of Earth Sciences*, 6(1), pp. 44-51. [ISSN: 2008-8779, E-ISSN: 2228-785X]
16. **R. S. Ajin**, R. R. Krishnamurthy, M. Jayaprakash and P. G. Vinod (2013). Flood hazard assessment of Vamanapuram River Basin, Kerala, India: An approach using remote sensing and GIS techniques. *Advances in Applied Science Research*, 4(3), pp. 263-274. [E-ISSN: 0976-8610]

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1. **R. S. Ajin**, P. G. Vinod and A. R. R. Menon (2014). Forest fire risk analysis using GIS and RS techniques: An approach in Idukki Wildlife Sanctuary, Kerala, India. In: R. Jayaprakash, I. Anitha, Mary Teresa P Miranda, and Rajalakshmi Subramanian (Eds.), *Proceedings of the 24th Swadeshi Science Congress – 2014*, Organized by the Swadeshi Science Movement (Kerala) in association with the Thunchath Ezhuthachan Malayalam University, Tirur, Malappuram, Kerala, India; during 6 – 8 November 2014, pp. 406-413. [ISBN: 978-81-928129-2-2]
2. **R. S. Ajin**, Mathew K. Jacob, A. R. R. Menon and P. G. Vinod (2014). Forest fire risk analysis using geo-information technology: A study of Peppara Wildlife Sanctuary, Thiruvananthapuram, Kerala, India. In: A. P. Pradeepkumar, F. J. Behr, F. T. Illiyas and E. Shaji (Eds.), *Proceedings of the 2nd*

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3. **R. S. Ajin**, P. G. Vinod and A. R. R. Menon (2014). Landslide hazard zonation using RS and GIS techniques: A case study of Meenachil and Kanjirappally taluks, Kottayam district, Kerala, India. **In: *Proceedings of the 26th Kerala Science Congress***, Organized by the Kerala State Council for Science, Technology and Environment (KSCSTE), Government of Kerala, in association with the Jawaharlal Nehru Tropical Botanic Garden and Research Institute (JNTBGRI), Palode, Thiruvananthapuram, and the Centre for Water Resources Development and Management (CWRDM), Kunnamangalam, Kozhikode, and held at Kerala Veterinary and Animal Sciences University (KVASU), Pookode (Wayanad), Kerala, India; during 28 – 31 January 2014, pp. 1797-1804.
4. P. G. Vinod, A. R. R. Menon and **R. S. Ajin** (2013). Delineation of flood hazard areas in Achankovil River Basin, Kerala, using GIS and remote sensing approach. **In: K. Girish Kumar, Rajalakshmi Subramanian, Remalakshmy Poduval, and I. Anitha (Eds.), *Proceedings of the 23rd Swadeshi Science Congress – 2013***, Organized by the Swadeshi Science Movement (Kerala) in association with the Mahatma Gandhi University, Kottayam, Kerala, India; during 6 – 8 November 2013, pp. 393-398. [ISBN: 978-81-928129-1-5]

UNDER REVIEW

1. **R. S. Ajin**, Ana-Maria Loghin, P. G. Vinod, A. R. R. Menon and Mathew K. Jacob (2018). Forest fire risk assessment using geospatial techniques: A study in Mannarkkad forest division of Palakkad district, Kerala, India. ***South African Journal of Geomatics***. [ISSN: 2225-8531]

DECLARATION

I hereby declare that all the information included in this CV are true and correct to the best of my knowledge and belief.

Yours faithfully



(R. S. AJIN)

Place: Thiruvananthapuram, INDIA

Date: December 2, 2017