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**EDUCATION**

**Ph.D In خاکشناسی**Kent University 2007-1998  
**M.Sc In خاکشناسی**Kent University 1991-1994  
**M.A In خاکشناسی**Tarbiat Modares University 1989-1992  
**B.A In خاکشناسی**Shiraz University 1983-1983

**PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2731** | **28** | **257** | **147** | **25** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

**1.** Spatiotemporal analysis of wildfire in the tigris and euphrates basin: A remote sensing-based wildfire potential mapping. Velayati Amirhosain, Darvishi Boloorani Ali, Kiavarz Moghaddam Majid, Neysani Samany Najmeh, Alavi Panah Seyed Kazem (2024)., Remote Sensing Applications-Society and Environment, 34(1), 101150.  
  
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**9.** Mapping Sugarcane Leaf Area Index by Inverting PRISMA Hyperspectral Images. Hajeb Mohammad, Hamzeh Saeid, Alavi Panah Seyed Kazem, Verrelst Jochem (2023)., Iranian Journal of Remote Sensing & GIS, 15(1), 85-108.  
  
**10.** Speckle filtering impact on land cover mapping using the combination of Sentinel-1 and Sentinel-2 images (Case study: Bandar Mahshahr). Hajarian Mokammad Hoseyn, Attarchi Sara, Alavi Panah Seyed Kazem (2023)., Nivar, 46(118-119).  
  
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**12.** Exploring the effect of COVID-19 pandemic lockdowns on urban cooling: A tale of three cities. Meijani Naeim, Karimi Firozjaei Mohammad, Mijani Moein, Khodabakhshi Adeleh, Qureshi Salman, Jokar Arsanjani amal, Alavi Panah Seyed Kazem (2023)., ADVANCES IN SPACE RESEARCH, 71(1), 1017-1033.  
  
**13.** Change Detection of Bakhtegan wetland using a time series of satellite data on the Google Earth Engine platform and predicting parameters with Facebook’s Prophet Model. Dastaran Mohsen, جعفری شاهین, مسلمی حسین, Attarchi Sara, Alavi Panah Seyed Kazem (2023)., Journal of applied RS & GIS Techinques in Natural Resource Science, 13(4).  
  
**14.** Satellite-derived land surface temperature spatial sharpening: A comprehensive review on current status and perspectives. Karimi Firozjaei Mohammad, Kiavarz Moghaddam Majid, Alavi Panah Seyed Kazem (2022)., European Journal of Remote Sensing, 55(1), 644-664.  
  
**15.** A new approach to LST modeling and normalization under clear-sky conditions based on a local optimization strategy. Kiavarz Moghaddam Majid, Karimi Firozjaei Mohammad, Alavi Panah Seyed Kazem, Hassan Quazi K., Malbeteau Yoann, Duan Si-Bo (2022)., International Journal of Digital Earth, 15(1), 1833-1854.  
  
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**19.** Identifying sand and dust storm sources using spatial-temporal analysis of remote sensing data in Central Iran. Papi Ramin, Ata .a. Kakroodi, Soleymani Masod, Reayahi Leila, فاطمه امیری, Alavi Panah Seyed Kazem (2022)., Ecological Informatics, 70(1), 101724.  
  
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**27.** Seven Charters for Coexistence in the Future World. Alavi Panah Seyed Kazem, Moosavi Movahhedi Ali Akbar (2021)., Science Cultivation, 12(1).  
  
**28.** Predicting potential locations of ancient settlements using GIS and Weights-Of-Evidence method (case study: North-East of Iran). Koohpeima Javad, Makki Mohsen, Lentschk Jane, Alavi Panah Seyed Kazem (2021)., Journal of Archaeological Science-Reports, 40(4), 103229.  
  
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**30.** Spatial and seasonal salt translocation in the young soils at the coastal plains of the Caspian Sea. Konyushkova Maria, Alavi Panah Seyed Kazem, Heidari Ahmad, Kozlov Daniil, Meshalkina Joulia, Semenkov Ivan (2021)., QUATERNARY INTERNATIONAL, 1(590).  
  
**31.** Google Earth Engine for large-scale land use and land cover mapping: an object-based classification approach using spectral, textural and topographical factors. Shafizadeh-Moghadam Hossein, Khazaei Morteza, Alavi Panah Seyed Kazem, Weng Qihao (2021)., GIScience & Remote Sensing, 58(6).  
  
**32.** Evaluation Possibility of Calibration of LISSIII & ASTER Sensors by Using of Salt Crusts in Dry Areas of Iran. نظم فر حسین, سرمستی نادر, Alavi Panah Seyed Kazem (2021)., The Journal of Environmental Science and Technology, 23(3).  
  
**33.** Modeling the impact of the COVID-19 lockdowns on urban surface ecological status: A case study of Milan and Wuhan cities. Karimi Firozjaei Mohammad, Fathololoumi Solmaz, Kiavarz Moghaddam Majid, Jokar Arsanjani Jamal, مهدی همایی, Alavi Panah Seyed Kazem (2021)., JOURNAL OF ENVIRONMENTAL MANAGEMENT, 5(286).  
  
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**35.** Land Surface Ecological Status Composition Index (LSESCI): A novel remote sensing-based technique for modeling land surface ecological status. Karimi Firozjaei Mohammad, Fathololoumi Solmaz, Kiavarz Moghaddam Majid, Biswas Asim, Homaee Mehdi, Alavi Panah Seyed Kazem (2021)., ECOLOGICAL INDICATORS, 123(4), 107375.  
  
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**38.** A novel method to quantify urban surface ecological poorness zone: A case study of several European cities. Karimi Firozjaei Mohammad, Kiavarz Moghaddam Majid, مهدی همایی, Jokar Arsanjani Jamal, Alavi Panah Seyed Kazem (2021)., SCIENCE OF THE TOTAL ENVIRONMENT, 757(2), 143755.  
  
**39.** Investigation of the Vegetation Effect on the Surveying and Mineral Exploration Using Hyperspectrsl Data. Sadeghi Ali, Darvishi Boloorani Ali, Ata .a. Kakroodi, Alavi Panah Seyed Kazem, Hamzeh Saeid (2021)., Iranian Journal of Remote Sensing & GIS, 12(4), 115-131.  
  
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**44.** An ensemble method based on rotation calibrated least squares support vector machine for multi-source data classification. Khosravi Iman, Razoumny Yury, Hatami Afkoueieh Javad, Alavi Panah Seyed Kazem (2020)., International Journal of Image and Data Fusion, 12(1), 48-63.  
  
**45.** A Remotely Sensed Assessment of Surface Ecological Change over the Gomishan Wetland, Iran. Qureshi Salman, Alavi Panah Seyed Kazem, Konyushkova Maria, Mijani Naeim, Fathololoumi Solmaz, Karimi Firozjaei Mohammad, Mehdi Homaee, Hamzeh Saeid, Ata .a. Kakroodi (2020)., Remote Sensing, 12(18), 2989.  
  
**46.** Evaluating the Spectral Indices Efficiency to Quantify Daytime Surface Anthropogenic Heat Island Intensity: An Intercontinental Methodology. Karimi Firozjaei Mohammad, Fathololoumi Solmaz, Mijani Naeim, Kiavarz Moghaddam Majid, Ghoreishi Salman, Mehdi Homaee, Alavi Panah Seyed Kazem (2020)., Remote Sensing, 12(17), 2854.  
  
**47.** Improving the clay, silt and sand of soil prediction by removing the influence of moisture on reflectance using EPO. Mirzaei Saham, Darvishi Boloorani Ali, Bahrami Hossein, Alavi Panah Seyed Kazem, موسیوند علی جعفر (2020)., Geospatial Information Technology, 8(2), 59.  
  
**48.** Comparison of MODIS, SEVIRI and INSAT-3D Land Surface Temperature (LST). Gholamnia Mehdi, Ahmadi Salman, Khandan Reza, Darvishi Boloorani Ali, Alavi Panah Seyed Kazem, Hamzeh Saeid (2020)., Journal Of Radar and Optical Remote Sensing, 2(2), 8-22.  
  
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**HONORS and AWARDS**

**Outstanding researcher of University of Tehran** 2019, Tehran, Iran  
  
**AAAA** 2019, Tehran, Iran  
  
**AA** 2018, Tehran, Iran  
  
**---** 2004, Tehran, Iran  
  
**Selected researcher at Tehran University** 2004, Tehran, Iran

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**COURSES OFFERED**

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Thermal remote sensing, theories and models  
  
Light Physics and Electromagnetism  
  
Applicate Remote Sensing  
  
Fundamental and Physics of Remote Sensing  
  
Thermal and microwave remote sensing in environmental sciences  
  
Research Method in Remote Sensing and GIS  
  
Thermal Remote Sensing, Theories and Algorithms  
  
Thermal remote sensing, theories and models  
  
Digital Image Processing of Satellite Images  
  
Fundamental and Physics of Remote Sensing  
  
Thermal and microwave remote sensing in environmental sciences  
  
Research Method in Remote Sensing and GIS  
  
Thermal remote sensing, theories and models  
  
Light Physics and Electromagnetism  
  
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**LABORATORIES**