Akole Taluka Education Society’s

Agasti Arts,Commerce and Dadasaheb Rupwate Science College Akole

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**Department of Geography**

**Research Publications**

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| **Sr. No.** | **Name of Author(s)** | **Year** | **Title of the Paper** | **Name of Journal** | **Volume/ Issue** | **Pages** | **Level/Impact factor** |
| **1** | **Sanjay B. Navale and Vijay S. Bhagat** | 2022 | Use of AHP based Weighted Analysis for Impact Assessment of Coastal Tourism in Ratnagiri District, Maharashtra (India): Respondents’ Point of View | Journal of Geographical Studies Online ISSN: 2582-1083 | 6(1) | 1-32 | Insternational |
| **2** | **Surindar Gopalrao Wawale, Aadarsh Bisht, Sonali Vyas, Chutimon Narawish and SamratRaye** | 2022 | An overview: modeling and forecasting of time series data using different techniques in reference to human stress | Neuroscience Informatics | 2(3) | 1-11 | Insternational  IF- 4.08 |
| **3** | **Wenyi Zheng, Abolfazl Mehbodniya, Rahul Neware, Surindar Gopalrao Wawale, Bibhu Prasad Ganthia and Mohammad Shabaz** | 2022 | Modular unmanned aerial vehicle platform design: Multi-objective evolutionary system method | Computers and Electrical Engineering | 99 |  | IF- 3.8 |
| **4** | **Surindar Gopalrao Wawale, Malik Jawarneh, P. Naveen Kumar, Thomas Felix, Jyoti Bhola, Roop Raj, Sathyapriya Eswaran and Rajasekhar Boddu** | 2022 | Minimizing the Error Gap in Smart Framing by Forecasting Production and Demand Using ARIMA Model | Journal of Food Quality |  | 1-9 |  |
| **5** | **Anil Rambhau Mengal** | 2021 | Prospects and problems of adventure tourism places around the nashik city, Maharashtra | Akshara Multidisciplinary research journal | 5(3) | 30-36 |  |
| **6** | **Sanjay B. Navale and Vijay S. Bhagat** | 2021 | Detection and Delineation of Potential Areas for Tourism Activities in Coastal Zone of Ratnagiri District, Maharashtra (India) | Journal of Geographical Studies Online ISSN: 2582-1083 | 6(2) | 79-113 | International |
| **7** | **Khemnar Shivaji B.** | 2021 | Terrorism Problem in India: Cause and Effects | Akshar Wangmay International Journal ISBN/ISSN no.:- 2229-4929 | 6 |  |  |
| **8** | **Zhengjun Hao, Asadullah Asadullah, Surindar Wawale and Subrata Das** | 2021 | network technology in intelligent management of urban traffic equipment | International Journal of System Assurance Engineering and Management | 13 | 197–202 |  |
| **9** | **Vijay S. Bhagat, Sanjay B. Navale and Rajendra S. Suryawanshi** | 2021 | A Morphological Study for Identified the Potential of Ganpatipule Coastal Tourism in Western Maharashtra (India): Analytical Hierarchy Process | Applied Ecology and Environmental Sciences, ISSN(Print): 2328-3912 / ISSN (Online): 2328-3920 | 9 | 322-335 | IF- 0.711 |
| **10** | **Ravindra D. Gaikwad and Vijay S.Bhagat** | 2021 | Using Multi - Criteria, AHP and Influence Approaches for Agriculture Development: A Case Study of Upper Mula Basin in Maharashtra (India) | Applied Ecology and Environmental Sciences, ISSN(Print): 2328-3912 / ISSN (Online): 2328-3920 | 9 | 368-379 | IF- 0.711 |
| **11** | **Pandharinath T. Karande, Vijay S. Bhagat and Rajendra B. Zolekar** | 2021 | Fodder Estimations for Dairy Activity in Tribal Area of Upper Pravara Basin in Maharashtra (India) | Applied Ecology and Environmental Sciences ISSN(Print): 2328-3912 / ISSN (Online): 2328-3920 | 9 | 557-574 | International IF- 0.711 |
| **12** | **Vijay S. Bhagat and B. Wani** | 2021 | Climatic water budget-A case study of Rahata Tahsil in Ahmednagar district (MH) | ASIAN JOURNAL OF MULTIDIMENSIONAL RESEARCH ISSN: 2278-4853 |  |  | International IF- 7.699 |
| **13** | **M. Rajasekhar, K. Ajaykumar, Sudarsana Raju and Vijay Bhagat** | 2021 | Identification of artificial groundwater recharge zones in semi-arid region of southern India using geospatial and integrated decision-making approaches | Environmental Challenges | 5 | 100278 | International IF- 6.789 |
| **14** | **Ajaykumar Kadam, Rajasekhar M, Bhavana Umrikar, Vijay Bhagat, Vasant Wagh and R. N Sankua** | 2021 | Land Suitability Analysis for Afforestation in Semi-arid Watershed of Western Ghat, India: A Groundwater Recharge Perspective | Geology Ecology and Landscapes | 5(2) | 136-148 | International |
| **15** | **Rajendra B. Zolekar, Rahul S. Todmal, Vijay S. Bhagat, Santosh A. Bhailume, Mahendra S. Korade and Sumit Das** | 2021 | Hydro‑chemical characterization and geospatial analysis of groundwater for drinking and agricultural usage in Nashik district in Maharashtra, India | Environment, Development and Sustainability | 23 | 4433–4452 | Peer Reviewed Indexed IF- 2.191 |
| **16** | **Surindar Wawale and Dattatray Sheshrao Ghungarde** | 2021 | The Role of Farm Ponds in Agricultural Development: A Case Study of Nivadunge Village in Pathardi Tehsil of Ahmednagar District (M.S.) | Applied Ecology and Environmental Sciences ISSN : 2328-3920 | 9(8) |  | IF 0.06 |
| **17** | **Shanthi D. L., Surapaneni K. M., Preethi S., Dasari A. Reddy, Surindar Wawale and Abdus S. D** | 2021 | Bio-Applications of Industry 4.0 Machine Learning High-Quality Control and Predictive Environment Maintenance | International Journal of Biology, Pharmacy and Allied Sciences ISSN : 2277-4998 | 10(11) | 600-611 | IF- 1.89 |
| **18** | **Abhijit maidamwar, loganathan m.k, dinesh mavaluru, kirubakaran, surindar gopalrao wawale and sonu kumar** | 2021 | The Smart Irrigation Sector Determines the Best Development Approach for certain Optimized Problems using Machine Learning | International Journal of Biology, Pharmacy and Allied Sciences ISSN : 2277-4998 | 10(11) | 964-975 | IF- 1.89 |
| **19** | **Zhengjun Hao, Asadullah Asadullah, Surindar Wawale and Subrata Das** | 2021 | Application of MODBUS double-layer communication network technology in intelligent management of urban traffic equipment. | International Journal of System Assurance Engineering and Management ISSN : 0975-6809 | 13 | 197–202 | IF: 1.72 |
| **20** | **Xin Zhang, Shehab Mohamed Beram, Mohd Anul Haq, Surindar Gopalrao Wawale and Ahmed Mateen Buttar** | 2021 | Research on algorithms for control design of human–machine interface system using ML | International Journal of System Assurance Engineering and Management ISSN : 0975-6809 | 13 | 462–469 | IF: 1.72 |
| **21** | **Madiga Rajasekhar, Sudarsana Raju Gadhiraju, Ajaykumar Kadam and Vijay Bhagat** | 2020 | Identification of groundwater recharge-based potential rainwater harvesting sites for sustainable development of a semiarid region of southern India using geospatial, AHP, and SCS-CN approach | Arabian Journal of Geosciences EISSN: 1866-7538; ISSN:1866-7511 | 13 |  | International IF: 1.141 |
| **22** | **Vijay Bhagat** | 2020 | Women Authorship of Scholarly Publications on COVID-19: Leadership Analysis | Feminist Research | 4 | Jun-17 | International IF: 0.67 |
| **23** | **Vijay S. Bhagat, Ajaykumar Kadam and Suresh Kumar** | 2019 | Analysis of Remote Sensing based Vegetation Indices (VIs) for Unmanned Aerial System (UAS): A Review | Remote Sensing of Land | 3 | 58-73 | International IF: 10.164 |
| **24** | **Surindar Wawale** | 2019 | Assesment of Immigration Pattern of Pune District With Special Reference to India States In 2001 | International Journal of Research and Analylitical Reviews (IJRAR) ISSN : 2349-5138 | 6(1) |  | IF 2.01 |
| **25** | **Surindar Wawale** | 2019 | Application of Geospatial Techniques for Gravity-Based Drinking Water Supply Management | Archives of Photogrammetry, Cartography and Remote SensingISSN : E-2391-9477 | 31 | 75-83 | IF 0.82 |
| **26** | **Vijay Bhagat** | 2018 | Data and Techniques Used for Analysis of Women Authorship in STEMM: A Review | Feminist Research ISSN :2582-3809 | 2 | 77-86 | International IF: 8.218 |
| **27** | **Suresh Kumar and Vijay Bhagat** | 2018 | Remote Sensing Satellites for Land Applications: A Review | Remote Sensing of Land ISSN: 2582-3019 | 2 | 96-104 | International IF: 8.218 |
| **28** | **Vijay Bhagat** | 2018 | Women Authorship of Scholarly Publications in STEMM: Authorship Puzzle | Feminist Research | 2 | 66-76 | International IF: 8.218 |
| **29** | **Ravindra Gaikwad and Vijay Bhagat** | 2018 | Multi-criteria Prioritization for Sub-watersheds in Medium River Basin using AHP and Influence Approaches | Hydrospatial Analysis ISSN: 2582-2969 | 2 | 61-82 | International |
| **30** | **Rajendra Zolekar and Vijay Bhagat** | 2018 | Multi-Criteria Land Suitability Analysis for Plantation in Upper Mula and Pravara Basin: Remote Sensing and GIS Approach | Journal of Geographical StudiesISSN: 2582-1083 | 2 | Dec-21 | International IF: 1.592 |
| **31** | **Ravindra Gaikwad and Vijay Bhagat** | 2018 | Quantitative morphometric analysis of Bhojdari watershed in upper Mula basin | Current Global Reviewer ISSN: 2319-8648 | 1 | 120-130 | National |
| **32** | **Khemnar Shivaji B.** | 2018 | Study of Increasing Agriculture Ponds In Pimplegaon Konzira Village of Sangamner Tahsil In Maharashtra | CGR ISSN 2319-8648 | 1 | 177-180 |  |
| **33** | **Khemnar Shivaji B.** | 2018 | Rural agriculture and hilly areas: a case study Akole tahsil | IJSR ISSN (Online): 2319-7064 | I |  | International IF: 7.296 |
| **34** | **Ravindra Gaikwad and Vijay Bhagat** | 2017 | Multi-Criteria Watershed Prioritization of Kas Basin in Maharashtra India: AHP and Influence Approaches | Hydrospatial Analysis ISSN: 2582-2969 | 1 | 41-61 | International |
| **35** | **Vijay Bhagat** | 2017 | Space-borne Active Microwave Remote Sensing of Soil Moisture: A Review | Remote Sensing of Land ISSN: 2582-3019 | 1 | 53-86 | International |
| **36** | **Kishor Sonawane and Vijay Bhagat** | 2017 | Improved Change Detection of Forests Using Landsat TM and ETM plus data | Remote Sensing of Land ISSN: 2582-3019 | 1 | 18-40 | International |
| **37** | **Khemnar Shivaji B.** | 2017 | The Study Socio –Economic Problems Of Tribal Population in Ahmednadar District (M.S) | IARR ISSN 2454-3303 | 5 | 183-186 | IF: 1.77 |
| **38** | **Khemnar Shivaji B.** | 2016 | Local health problems of Rajur | R.B.N.B.B College Srirampur |  |  |  |
| **39** | **Rajendra Zolekar and Bhagat Vijay** | 2015 | Multi-criteria land suitability analysis for agriculture in hilly zone: Remote sensing and GIS approach | Computers and Electronics in Agriculture ISSN: 0168-1699 | 118 | 300-321 | International IF: 3.171 (2018) |
| **40** | **Khemnar Shivaji B** | 2015 | Geographical study of growth in A.nagar district | H.W.M mopha nagpure |  |  |  |
| **41** | **Vijay Bhagat** | 2014 | Space-borne Passive Microwave Remote Sensing of Soil Moisture: A Review | Recent Patents on Space TecnologyISSN: 2210-6871 (Print)ISSN: 1877-6116 (Online) | 4(2) | 83-112 | International |
| **42** | **RajendraZolekar and Bhagat Vijay** | 2014 | Use of IRS P6 LISS-IV Data for Land Suitability Analysis for Cashew Plantation in Hilly Zone | Asian Journal of Geoinformatics ISSN: 1513-6728 | 14 3 | 23-35 | International |
| **43** | **Bhagat Vijay** | 2014 | Geo-spatial Predictions of Soil Organic Carbon: A Review | Journal of Remote Sensing and GIS ISSN: 2230 – 7990 | 5(2) | 23-39 | International |
| **44** | **Bhagat Vijay** | 2014 | Remote Sensing Application for Sustainable Land Management | Indian Journal of Research in Social Sciences ISSN: 2249-7315 | 1(6) | Dec-17 | National |
| **45** | **Bhagat Vijay** | 2014 | Agriculture Water Balance of Micro-watershed using GIS Techniques | Journal of Earth Science Research ISSN: 2330-1740 Print | 2(1) | 1-Dec | International |
| **46** | **Bhagat Vijay** | 2014 | Farmer Terms of Trade And Farmers’ Suicides in Maharashtra (India) | Asian Journal of Research in Social Sciences and Humanities 2249-7315 Online, 2250-665 Print, | 4(1) | 2015-230 | International IF: 0.655 |
| **47** | **Sainath P. Aher, Khemnar Shivaji B. and Shambhaji D. Shinde** | 2014 | Synthetic Aperature in Indian Remote sensing | ISSN 2249-0868IJAIS | 7 | 41-44 |  |
| **48** | **Khemnar Shivaji B.** | 2014 | Spatial Distribution of Soya Bean Crop: A Case Study of Akole Tahasil, M.S, India(2001to2010-11) | IJSR ISSN 2319-7064 | 3 | 1503-1505 | IF: 3.358 |
| **49** | **Khemnar Shivaji B.** | 2014 | Development of Land Utilizes: Summarize in Akole ( Ahmednagar District ), M.S, India | IJSR ISSN 2319-7064 | 3 | 1506-1509 | IF: 3.358 |
| **50** | **Khemnar Shivaji B** | 2014 | Transition Of Tribal Community In Akole Tahsil Of A.Nagar District Maharashtra | Maharashtra Bhugolshastra Sanshodhan Patrika ISSN 0971-6785 | 21 | 90-93 |  |
| **51** | **Bhagat Vijay** | 2013 | Demographic approach for detection of ‘combinations of causes’ of low child sex ratio in rural Maharashtra (India) | International Journal of Physical and Social Sciences, ISBN: 2249-589, | 3(7) | 317-340 | International |
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| **55** | **Bhagat Vijay** | 2012 | Causes of low child sex ration in rural Maharashtra (India): A demographic approach | Proceedings of 29th National conference of MBP at Junner ISBN:978-93-81354-40-7 | Dec. 2012 | 251-256 | National |
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| **63** | **Bhagat Vijay and Saptarshi Praveen** | 2005 | Estimation of Water Surplus after Actual Evapotranspiration and Soil Moisture Recharge from Rainwater – A Case Study of the Purandhar Tahsil, Pune District, (M.S., India) | Maharashtra Bhugolshastra Sanshodhan Patrika, MBP, Pune, ISSN: 0971-6785 | XIX (2) | Mar-13 | National |
| **64** | **Saptarshi Praveen and Bhagat Vijay** | 2005 | Employment Potential in Agriculture: A Case Study of the Purandhar Tahsil of the Pune District, Maharashtra | Landscape System and Ecological Studies, Institute of Landscape, Ecology and Ekistics, CalcuttaISSN: 0971-4170 | 28 (1) | 29-37 | National |
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| **66** | **Bhagat Vijay and Saptarshi Praveen** | 2004 | GIS Application for Agricultural Regionalisation Based on Water Balance and Agronomy | Maharashtra Bhugolshastra Sanshodhan Patrika, MBP, PuneISSN: 0971-6785 | XVIII (1) | 1-Oct | National |
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| **70** | **Bhagat Vijay and Kadam Anuradha** | 2001 | A Geographical Study of Distribution and Marketing of Onion in Maharashtra | Maharashtra Bhugolshastra Sanshodhan Patrika, MBP, Pune, ISSN: 0971-6785 | XV(1) | 25-33 | National |