



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

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Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)

FOUNDER CHANCELLOR
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Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Criterion III: - Research, Innovations and Extension

3.3 Research Publications and Awards 2022



| Sr No. | Title of paper | Name of journal | Name of Author | Link to website of the Journal |
|--------|--|------------------------------|-----------------|---|
| 1 | Effects of stabilization on structures and properties of Electrospun Polyacrylonitrile based carbon nanofibers as a binder free electrode for supercapacitor application | Materials Today: Proceedings | Dr. S. J. Kadam | https://www.journals.elsevier.com/materials-today-proceedings |

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| 2 | Electrospun 1D TiO ₂ nanofibers for dye-sensitized solar cell application | Materials Today: Proceedings | Dr. S. J. Kadam | https://www.journals.elsevier.com/materials-today-proceedings |
| 3 | Binder-Free Synthesis of Nanostructured Amorphous Cobalt Phosphate for Resistive Memory and Artificial Synaptic Device Applications | ACS Applied Electronic Materials | Dr. S. J. Kadam | https://pubs.acs.org/journal/aaembp |
| 4 | Analysis and Prediction of Hydrothermally Synthesized ZnO-Based Dye-Sensitized Solar Cell Properties Using Statistical and Machine-Learning Techniques | ACS Omega | Dr. S. J. Kadam | https://pubs.acs.org/journal/acsodf |
| 5 | Intrusion Detection System based on Energy Efficient Dynamic Clustering in a Heterogeneous Environment of Wireless Sensor Networks (WSNs) | Neuroquantology, An Interdisciplinary Journal of Neuroscience and Quantum Physics | Dr R. K. Chougale | https://www.neuroquantology.com/ |
| 6 | Machine Learning Tool Development And Use In Biological Information Decoding | Journal of Positive School Psychology | Dr.K.R.Desai | https://journalppw.com/ |
| 7 | Design of Tri-Band Textile Fractal antenna using three different substrate materials for Wi-Fi applications | Progress In Electromagnetic Research C | Mr.A.R.Kittur | https://www.jpier.org/ |
| 8 | Intrusion Detection System based on Energy Efficient Dynamic Clustering in a Heterogeneous Environment of Wireless Sensor Networks (WSNs) | Neuroquantology, An Interdisciplinary Journal of Neuroscience and Quantum Physics | Mrs.S. S. Shinde | https://www.neuroquantology.com/ |
| 9 | Enhanced Diagnostic methods for identifying anomalies in imaging of skin lesions | International Journal of Electrical and Electronics Research (IJEER) | Mr.R.R.Suryawanshi | https://ijeer.forexjournal.co.in/ |

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| 10 | Intrusion Detection System based on Energy Efficient Dynamic Clustering in a Heterogeneous Environment of Wireless Sensor Networks (WSNs) | Neuroquantology, An Interdisciplinary Journal of Neuroscience and Quatum Physics | Mr.R.S. Mithari | https://www.neuroquantology.com/ |
| 11 | A study on battery management system and charging infrastructure for electric vehicle development | International Journal of Mechanical Engineering (Kalahari Journal) | Dr. R. K. Chougale | https://kalaharijournals.com/ijme.php |
| 12 | A research on critical components of electric vehicle and the impact of circuit failure | International Journal of Mechanical Engineering (Kalahari Journal) | Dr R. K. Chougale | https://kalaharijournals.com/ijme.php |
| 13 | Intrusion Detection System based on Energy Efficient Dynamic Clustering in a Heterogeneous Environment of Wireless Sensor Networks (WSNs) | Neuroquantology, An Interdisciplinary Journal of Neuroscience and Quatum Physics | Mr.A. A. Desai | https://www.neuroquantology.com/ |
| 14 | A Morphological Change in Leaves-Based Image Processing Approach for Detecting Plant Diseases | International Journal of Electrical and Electronics Research (IJEER) | Mrs.A. H. Tirmare | https://ijeer.forexjournal.co.in/ |
| 15 | Intrusion Detection System based on Energy Efficient Dynamic Clustering in a Heterogeneous Environment of Wireless Sensor Networks (WSNs) | Neuroquantology, An Interdisciplinary Journal of Neuroscience and Quatum Physics | Ms.G. S. Ghorpade | https://www.neuroquantology.com/ |
| 16 | An extraordinary class of asymptotic analytical functions with coefficient inequality | Neuroquantology, An Interdisciplinary Journal of Neuroscience and Quatum Physics | Mr.A.S.Patil | https://www.neuroquantology.com |
| 17 | Flax- and Graphene-Reinforced natural Fiber nanocomposites under Cryogenic environment for constructional applications | Journal of Nanomaterials | Mrs.S.S.Shinde | https://www.hindawi.com/journals |

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| 18 | Intrusion Detection System based on Energy Efficient Dynamic Clustering in a Heterogeneous Environment of Wireless Sensor Networks (WSNs) | Neuroquantology, An Interdisciplinary Journal of Neuroscience and Quatum Physics | Mr.A. R. Jadhav | https://www.neuroquantology.com/ |
| 19 | Novel Predictive Control and Monitoring System based on IoT for Evaluating Industrial Safety Measures | International Journal of Electrical and Electronics Research (IJEER) | Mrs.P.S.Mali | https://ijeer.forexjournal.co.in/ |
| 20 | Development of Laboratory Performance Monitoring and Evaluation System Using Machine Learning | GRADIVA REVIEW JOURNAL | Mrs.S.M.Mulla | https://gradivareview.com/ |
| 21 | Identification,classification and grading of plant leaf disease using CBIR and K-means clustering | Journal of emerging technologies and innovation research(JETIR) | Dr.J. K.Patil | https://www.jetir.org |
| 22 | Nano fluids ,micro-lubrications and machining process optimizations –a review | Manufacturing Review | Dr. P. B. Patole | https://mfr.edp-open.org/ |
| 23 | Road Intersection re-design | International Journal of scientific research in Engineering and management | Ms.P.A.Bhokare | https://ijsrem.com/ |
| 24 | Seismic Behaviour and Design of RC Shear Wall using ETABS software | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Mr.P. J.Jadhav | https://www.ijraset.com/ |
| 25 | Identification,classification and grading of plant leaf disease using CBIR and K-means clustering | Journal of emerging technologies and innovation research(JETIR) | Mr.V. S.Mandlik | https://www.jetir.org |
| 26 | An Evaluation of Road Safety Performance for Selected Road Stretches in Kolhapur City | International Journal for Research in Applied Science & Engineering Technology | Mr.N.A.Mohite | https://www.ijraset.com/ |

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| 27 | Employing Energy and Statistical Features for Automatic Diagnosis of Voice Disorders | National Library of Medicine | Dr.K.R.Desai | https://pubmed.ncbi.nlm.nih.gov/ |
| 28 | A Literature Review on Use of Rice Husk Ash As Cementation Material | International Journal For Research in Applied Science and Engineering Technology | Mr.S. S.Kotwal | www.ijraset.com |
| 29 | Detection and qualification of blood cells using image processing | International Research Journal of Modernization in Engineering Technology and Science | Mr. P. A. Kharade | http://www.irjmets.com/ |
| 30 | Human IRIS Pattern recognition and matching system for exceptional security identification | International Research Journal of Modernization in Engineering Technology and Science | Mr. P. A. Kharade | http://www.irjmets.com/ |
| 31 | To Study Rehabilitation of Old Elevated Water Tank and to Generate Non-Conventional Energy | International Journal for Research in Applied Science & Engineering Technology | Ms.P. K. Figueredo | https://www.ijraset.com/ |
| 32 | Seismic Behaviour and Design of RC Shear Wall using ETABS software | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Mr.V.S. Tiware | https://www.ijraset.com/ |
| 33 | Diet modelling using nutritional requirement analysis | International Research Journal of Modernization in Engineering Technology and Science | Mr.S.B.Patil | https://www.irjmets.com/ |
| 34 | An Evaluation of Road Safety Performance for Selected Road Stretches in Kolhapur City | International Journal for Research in Applied Science & Engineering Technology | Ms.P.A.Bhokare | https://www.ijraset.com/ |

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| 35 | Visualising and forecasting stock index using analytical tools | International Journal of Research and analytical reviews(IJRAR) | Mr.S.B.Patil | https://www.ijrar.org/ |
| 36 | Road Intersection re-design | International Journal of scientific research in Engineering and management | Ms.P. K. Figueredo | https://ijsrem.com/ |
| 37 | Behaviour of Compressive Strength of M20 Grade Concrete using Ruber Crumb, Magnetized and Normal Water | International Journal of Innovative Research in Technology | Mr. P.J. Jadhav | https://www.ijirt.org/ |
| 38 | A Literature Review on Beam Column Joints with Different Loading Condition and Methods of Strengthening | International Journal For Research in Applied Science and Engineering Technology | Mr.S. S. Kotwal | www.ijraset.com |
| 39 | To Study Rehabilitation of Old Elevated Water Tank and to Generate Non-Conventional Energy | International Journal for Research in Applied Science & Engineering Technology | Mr.N.A.Mohite | https://www.ijraset.com/ |
| 40 | Design of Water Supply Scheme: A Case Study of Nangargaon Village | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Mr. V.S.Kadam | https://www.ijraset.com |
| 41 | ALPHA:The Desktop Assistant | International Research Journal of Modernization in Engineering Technology and Science | Mrs.P.R.Patil | https://www.irjmets.com/ |
| 42 | Feasibility Study of Zero Discharge Concept in Sugar Industry After Anaerobic Treatment: Case Study of Solapur | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Ms.P. K. Figueredo | https://www.ijraset.com/ |

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| 43 | Xgraph & Gnuplot Implementation of AODV & DSDV Routing Protocol in MANET Using NS2 | International journal of creative research thoughts(IJCRT) | Mr.R.R.Suryawanshi | https://ijcrt.org/ |
| 44 | Design of Water Supply Scheme: A Case Study of Nangargaon Village | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Mr. S.S.Kotwal | https://www.ijraset.com |
| 45 | E-training and placement management system | International Research Journal of Modernization in Engineering Technology and Science | Ms.P.R.Patil | https://www.irjmets.com/ |
| 46 | A Literature Review on Beam Column Joints with Different Loading Condition and Methods of Strengthening | International Journal For Research in Applied Science and Engineering Technology | Mr.V. S. Kadam | www.ijraset.com |
| 47 | An Evaluation of Road Safety Performance for Selected Road Stretches in Kolhapur City | International Journal for Research in Applied Science & Engineering Technology | Ms.P. K. Figueredo | https://www.ijraset.com/ |
| 48 | Identification of flood control measures for Kolhapur city | International Journal of Scientific Research in Engineering and Management (IJSREM) | Mr.V.S.TiwareS. | https://ijsrem.com/ |
| 49 | Design of Water Supply Scheme: A Case Study of Nangargaon Village | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Mr. M. M. More | https://www.ijraset.com |
| 50 | A Literature Review on Use of Rice Husk Ash As Cementation Material | International Journal For Research in Applied Science and Engineering Technology | Mr.V. S.Kadam | www.ijraset.com |

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| 51 | Performance Evaluation of Laboratory Scale Vegetated Vermifilter for Domestic Wastewater: Case study of Kolhapur | International Journal of scientific research in Engineering and management | Ms.P. K. Figueredo | https://ijsrem.com/ |
| 52 | Design of Water Supply Scheme: A Case Study of Nangargaon Village | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Mr. N. A.Mohite | https://www.ijraset.com |
| 53 | Comparative Study Of Performance Of 15% Neem Biodiesel On Single Cylinder Computerized Diesel Engine For Different Compression Ratio and Load | IJRAR-(International Journal Of Research And Analytical Reviews) | Mr. A. P. Kadam | https://ijrar.org/search.php |
| 54 | Seismic Behaviour and Design of RC Shear Wall using ETABS software | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Mr. V.V. Mane | https://www.ijraset.com/ |
| 55 | Behaviour of Compressive Strength of M20 Grade Concrete using Ruber Crumb, Magnetized and Normal Water | International Journal of Innovative Research in Technology | Mr. V.S. Tiware | https://www.ijirt.org/ |
| 56 | A Literature Review on Use of Rice Husk Ash As Cementation Material | International Journal For Research in Applied Science and Engineering Technology | Mr. M.M. More | www.ijraset.com |
| 57 | Feasibility Study of Zero Discharge Concept in Sugar Industry After Anaerobic Treatment: Case Study of Solapur | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Ms.P.A.Bhokare | https://www.ijraset.com/ |

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| 58 | Challenges of Energy and Environmental Sustainability | Neuro Quantology | Mr. G. J. Pol | https://www.neuroquantology.com/article.php?id=7032 |
| 59 | Study of Public Attitude towards household waste management in selected rural area in kolhapur district | International Journal of scientific research in Engineering and management | Ms.P.A.Bhokare | https://ijsrem.com/ |
| 60 | A Literature Review on Beam Column Joints with Different Loading Condition and Methods of Strengthening | International Journal For Research in Applied Science and Engineering Technology | Mr. M. M. More | www.ijraset.com |
| 61 | Seismic Behaviour and Design of RC Shear Wall using ETABS software | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Mr.N.A.Mohite | https://www.ijraset.com/ |
| 62 | Xgraph & Gnuplot Implementation of AODV & DSDV Routing Protocol in MANET Using NS2 | International journal of creative research thoughts(IJCRT) | Mrs. A. H. Tirmare | https://ijcrt.org/ |
| 63 | Identification of flood control measures for Kolhapur city | International Journal of Scientific Research in Engineering and Management (IJSREM) | Mr.V.S.Tiware | https://ijsrem.com/ |
| 64 | Comparative Study Of Performance Of 15% Neem Biodiesel On Single Cylinder Computerized Diesel Engine For Different Compression Ratio and Load | IJRAR-(International Journal Of Research And Analytical Reviews) | Mr. R.B.Lokapure | https://ijrar.org/search.php |
| 65 | A Literature Review on Use of Rice Husk Ash As Cementation Material | International Journal For Research in Applied Science and Engineering | Mr. A. S. Patil | www.ijraset.com |

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| 66 | Performance Evaluation of Laboratory Scale Vegetated Vermifilter for Domestic Wastewater: Case study of Kolhapur | International Journal of scientific research in Engineering and management | Mr.N.A.Mohite | https://ijsrem.com/ |
| 67 | Road Intersection re-design | International Journal of scientific research in Engineering and management | Mr.N. A. Mohite | https://ijsrem.com/ |
| 68 | Study of Public Attitude towards household waste management in selected rural area in kolhapur district | International Journal of scientific research in Engineering and management | Ms.P. K. Figueredo | https://ijsrem.com/ |
| 69 | An Evaluation of Road Safety Performance for Selected Road Stretches in Kolhapur City | International Journal for Research in Applied Science & Engineering Technology | Mr. M.M. More | https://www.ijraset.com/ |
| 70 | A Literature Review on Beam Column Joints with Different Loading Condition and Methods of Strengthening | International Journal For Research in Applied Science and Engineering Technology | Mr.A. S.Patil | www.ijraset.com |
| 71 | Performance Evaluation of Laboratory Scale Vegetated Vermifilter for Domestic Wastewater: Case study of Kolhapur | International Journal of scientific research in Engineering and management | Ms.P.A.Bhokare | https://ijsrem.com/ |
| 72 | To Study Rehabilitation of Old Elevated Water Tank and to Generate Non-Conventional Energy | International Journal for Research in Applied Science & Engineering Technology | Ms.P.A.Bhokare | https://www.ijraset.com/ |
| 73 | Comparative Study Of Performance Of 15% Neem Biodiesel On Single Cylinder Computerized | IJRAR-(International Journal Of Research And Analytical Reviews) | Mr. A. S.Patil | https://ijrar.org/search.php |

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| | Diesel Engine For Different Compression Ratio and Load | | | |
| 74 | Behaviour of Compressive Strength of M20 Grade Concrete using Ruber Crumb, Magnetized and Normal Water | International Journal of Innovative Research in Technology | Mr. V.V. Mane | https://www.ijirt.org/ |
| 75 | Feasibility Study of Zero Discharge Concept in Sugar Industry After Anaerobic Treatment: Case Study of Solapur | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | Mr.N.A.Mohite | https://www.ijraset.com/ |
| 76 | Identification of flood control measures for Kolhapur city | International Journal of Scientific Research in Engineering and Management (IJSREM) | Mr.V.V. Mane | https://ijsrem.com/ |
| 77 | Xgraph & Gnuplot Implementation of AODV & DSDV Routing Protocol in MANET Using NS2 | International journal of creative research thoughts(IJCRT) | Ms.P.S.Mali | https://ijcrt.org/ |
| 78 | Challenges of Energy and Environmental Sustainability | Neuro Quantology | Mr. A. R. Jadhav | https://www.neuroquantology.com/article.php?id=7032 |
| 79 | A Literature Review on Beam Column Joints with Different Loading Condition and Methods of Strengthening | International Journal For Research in Applied Science and Engineering Technology | Mr.N. A. Mohite | www.ijraset.com |
| 80 | Trends in the Interpretation of Popular Fiction | International Journal of Applied and Advance Research | Dr. K.S. Joshi | https://ijaar.co.in/ |
| 81 | A Literature Review on Use of Rice Husk Ash As Cementation Material | International Journal For Research in Applied Science and Engineering Technology | Mr.N. A.Mohite | www.ijraset.com |

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| 82 | Study of Public Attitude towards household waste management in selected rural area in kolhapur district | International Journal of scientific research in Engineering and management | Mr.N. A.Mohite | https://ijsrem.com/ |
| 83 | Studies of Physico-Chemical Parameters to Access the Water Quality of Sonhira Lake (Chinchani) For Agricultural Farming Purpose in Kadegaon Tehsil (Sangli District) | International Journal of Innovative Research in Technology | Mr.J.C.Thorat | https://ijirt.org/ |
| 84 | The Role of green chemistry and its applications in day to day life | International journal of multidisciplinary educational research | Mr.J.C.Thorat | http://ijmer.in/ |
| 85 | Design and Prototype of the Electromagnetic Engine | International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) | Mr.J G Shinde | http://www.ijirset.com/ |
| 86 | Design and analysis of front axle using Solidworks simulation | International Research Journal of Engineering and Technology (IRJET) | Mr.J G Shinde | https://www.irjet.net/ |
| 87 | Design and Development of Humidity Controller for Prevention of Microbiological Spoilage in Vegetables | International Research Journal of Engineering and Technology (IRJET) | Mr.J G Shinde | https://www.irjet.net/ |
| 88 | Comparative Study Of Performance Of 15% Neem Biodiesel On Single Cylinder Computerized Diesel Engine For Different Compression Ratio and Load | IJRAR-(International Journal Of Research And Analytical Reviews) | Mr.M.S. Kulkarni | https://ijrar.org/search.php |

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| 89 | A Literature Review on Use of Rice Husk Ash As Cementation Material | International Journal For Research in Applied Science and Engineering Technology | Mr.V.V.Mane | www.ijraset.com |
| 90 | Challenges of Energy and Environmental Sustainability | Neuro Quantology | Mr.J. G. Shinde | https://www.neuroquantology.com/article.php?id=7032 |
| 91 | A comparative study of project risk management with risk breakdown structure (RBS): a case of commercial construction in India | International Journal of Construction Management | Mr. M. M. Bepari | https://www.tandfonline.com/ |