

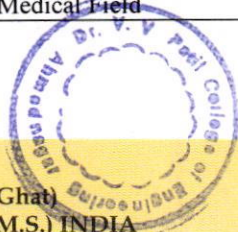
### 3.3.2. Summary Sheet

#### 3.3.2. (1a) Faculty Publication in UGC Care/Scopus/ Sci/Sci-E/Web of Science Journal

Sr. No	Name of the author/s	Title of paper	Name of journal	Department	Year of publication
1	S.S. Desai	Random site occupancy induced disordered Néel-type collinear spin alignment in heterovalent $Zn^{2+}$ - $Ti^{4+}$ ions substituted $CoFe_2O_4$	RSC Advances	Applied Science	2016-2017
2	S.S. Desai	Role of Coupling Divalent and Tetravalent Metal Ions on the Elastic and Electric Properties of $CoFe_2O_4$ Ferrites Prepared by Sol-Gel Method	<u>Journal of Superconductivity and Novel Magnetism</u>	Applied Science	2016-2017
3	S. S. Gadhe	Digital Image Correlation Technique for Strain Measurement of Aluminum Plate	International Journal of Engineering Trends and Technology	Mechanical	2016-17
4	D. A. Vidhate	Cooperative Multi-Agent Joint Action Learning Algorithm (CMJAL) for Decision Making in Retail Shop Application	International Journal of Agent Technologies and Systems (IJATS)	IT	2017-18
5	M. P. Wagh	An influence of experimental parameters in the treatment of anaerobically treated distillery spent wash by using ozone assisted electrocoagulation	Desalination and Water Treatment	Civil	2017-18
6	D. A. Vidhate	Improved decision making in multiagent system for diagnostic application using cooperative learning algorithms	International Journal of Information Technology, Springer Singapore	IT	2017-18
7	Vaishnav G. Kale	A Novel Approach based on Average Information Parameters for Investigation and Diagnosis of Lung Cancer using ANN	Pattern Recognition and Image analysis journal.	E& TC Engg	2017-18
8	M. P. Wagh	Biogas generation from distillery spent wash by using an OPUR western biotechnology process: a case study	Desalination and Water Treatment	Civil	2018-19
9	M. P. Wagh	Biodegradation of anaerobically treated distillery spent wash by Aspergillus species from a distillery effluent contaminated site	Desalination and Water Treatment	Civil	2018-19
10	S.L.Hake	Temperature Effect on Lime Powder-Added geopolymer concrete	Hindawi Advances in civil engineering	Civil	2018-19
11	Satyawati S. Magar	Hybrid image compression technique using oscillation concept & quasi fractal	Health & Technology	E& TC Engg	2018-19
12	Sandip Udawant	Modulation and Demodulation of Image Processing by GMSK	International Journal of Engineering & Technology	E& TC Engg	2018-19
13	Satyawati S. Magar	Optimization Before Biomedical Image Compression using CLAHE and DCS.	International Journal of Engineering & Technology	E& TC Engg	2018-19
14	A. R. Laware	Evolutionary optimization of sliding mode controller for level control system,	ISA Transactions (Elsevier)	Elect Engg	2018-19
15	Kale Vaishnav	An Innovative Approach for Investigation and Diagnosis of Lung Cancer by Utilizing Average Information Parameters	Procedia Computer Science	E& TC Engg	2018-19
16	S.S. Desai	Effects of $Zn^{2+}$ - $Zr^{4+}$ ions on the structural, mechanical, electrical, and optical properties of cobalt ferrites synthesized via the sol-gel route	Journal of Physics and Chemistry of Solids	Applied Science	2018-19



17	Dr. M. P. Wagh	Remediation and Decolourization Of Distillery Spent Wash by Using Advanced Oxidation Processes – A Review	Indian Journal of Environmental Protection.	Civil	2019-20
18	Hake Sandip Laximan	Utilization of Plastic waste in Bitumen Mixes for Flexible Pavement	Transportation Research Procedia	Civil	2019-20
19	A. R. Laware	Experimental realization of constrained optimization of sliding mode control parameters with modified objective	International Journal of Software Computing and Testing	Elect Engg	2019-20
20	A. R. Laware	Design of LMI-based finite-time sliding mode control: The convex optimization problem	Journal of Engineering Science, UGC Care Approved Group II Multidisciplinary Journal	Elect Engg	2019-20
21	P.A.Narwade	A Review on Sedimentation of Magnetorheological (MR) fluid	International Journal of Future Generation Communication and Networking	Mechanical	2020-21
22	K.M. Markad	Thermo-Mechanical Post Buckling Analysis of Multiwall Carbon Nanotube-Reinforced Composite Laminated Beam under Elastic Foundation	Curved and Layered Structures	Mechanical	2019-20
23	K.M. Markad	Stochastic mixed mode stress intensity factor of center cracks FGM plates using XFEM	International Journal of Computational Materials Science and Engineering	Mechanical	2019-20
24	K.M. Markad	Nonlinear flexural analysis of sandwich beam with multi walled carbon nanotube reinforced composite sheet under thermo-mechanical loading	Curved and Layered Structures	Mechanical	2019-20
25	D. A. Vidhate	Performance comparison of multiagent cooperative reinforcement learning algorithms for dynamic decision making in retail shop application	International Journal of Computational Systems Engineering, Inderscience Publishers (IEL)	IT	2019-20
26	S. S. Vyavahare	Fused deposition modeling: a review	Rapid Prototyping Journal	Mechanical	2019-20
27	M. P. Wagh	Assessment of Coagulation process for the distillery spent wash using Alum polyelectrolyte and Fenton.	Indian Journal of Environmental Protection.	Civil	2020-21
28	M. P. Wagh	Enhancing Colour and Chemical Oxygen Demand degradation in distillery spent wash by Electrocoagulation and Ozone assisted Electrocoagulation.	Desalination and Water Treatment	Civil	2020-21
29	M. P. Wagh	Augmentation with Ozone Assisted Electrochemical Degradation of Distillery Spent Wash for the Removal of Color and Chemical Oxygen Demand	International Journal of Environmental Science and Technology.	Civil	2020-21
30	Waghmare Aarti	Analysis of Laminated Beams: A Bibliometric Review	Library Philosophy & Practices	Civil	2020-21
31	M. P. Wagh	Healing of Generated Cracks in Cement Mortar Using MICP	Civil Engineering Journal	Civil	2020-21
32	Nilkanth Deshpande	A Brief Bibliometric Survey of Leukemia Detection by Machine Learning and Deep Learning Approaches	Library Philosophy & Practices	E& TC Engg	2020-21
33	Nilkanth Deshpande	A review of microscopic analysis of blood cells for disease detection with AI perspective	Peer J Computer Science	E& TC Engg	2020-21
34	Nilkanth Deshpande	A Brief Bibliometric Survey of Explainable AI in Medical Field	Library Philosophy and Practice	E& TC Engg	2020-21



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35	S. A. Markad	Restructuring of Distributed Generation in a Radial Distribution System for Minimization of Power Loss and Improvement in Voltage using Evolutionary algorithm,	Cattle Practice	Elect Engg	2020-21
36	S. A. Markad	Restructuring Of Distributed Generation For Optimal Placement In Real Time Distribution System With Different Load Models To Minimize Loss Using Genetic AlgorithmNA	Turkish Journal of Physiotherapy and Rehabilitation	Elect Engg	2020-21
37	S.S. Vyavahare	Re-entrant auxetic structures fabricated by fused deposition modeling: An experimental study of influence of process parameters under compressive loading	Polymer Engineering and Science	Mechanical	2020-21
38	S.S. Desai	Influence of Zn-Zr substitution on the crystal chemistry and magnetic properties of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles synthesized by sol-gel method	Physica B: Physics of Condensed Matter	Applied Science	2020-21
39	M. P. Wagh	Effect of hydrogen peroxide and ferrous ion on the degradation of 2-Aminopyridine	Journal of Applied Water Engineering and Research	Civil	2021-22
40	M. P. Wagh	Potential of Moringa Oleifera Seed as a Natural Adsorbent for Wastewater Treatment	TRENDS IN SCIENCES	Civil	2021-22
41	M. P. Wagh	Application of soft computing in water treatment plant and water distribution network	Journal of Applied Water Engineering and Research	Civil	2021-22
42	M. P. Wagh	Evaluation of water treatment plant using Artificial Neural Network (ANN) case study of Pimpri Chinchwad Municipal Corporation (PCMC)	Sustainable Water Resources Management	Civil	2021-22
43	M. P. Wagh	Application of cascade feed forward neural network to predict coagulant dose	Journal of Applied Water Engineering and Research	Civil	2021-22
44	M. P. Wagh	Development of Single-Phase Microbial Cementation Method and to Investigate its Efficacy on Bearing Capacity, UCS, and Permeability of Sandy Soils	Journal of Engineering and Technological Sciences	Civil	2021-22
45	Nilkanth Deshpande	Improved Otsu and Kapur approach for white blood cells segmentation based on LebTLBO optimization for the detection of Leukemia	Mathematical Biosciences and Engineering	E& TC Engg	2021-22
46	A. R. Laware	Global optimization of second-order sliding mode controller parameters using a new sliding surface: An, experimental verification to process control system	ISA Transactions (Elsevier)	Elect Engg	2021-22
47	S. A. Markad	Power Loss Minimization in Real Time Radial Distribution System with Sizing and Placement of DG using Ant Lion Optimization	Design Engineering (Tornto)	Elect Engg	2021-22
48	K.M. Markad	Thermal post buckling analysis of smart SMA hybrid sandwich composite plate	Polymers and Polymer Composites	Mechanical	2021-22
49	S.S. Vyavahare	Numerical and experimental investigation of FDM fabricated re-entrant auxetic structures of ABS and PLA materials under compressive loading	Rapid Prototyping Journal	Mechanical	2021-22
50	Nilkanth Deshpande	Microscopic Analysis of Blood Cells for Disease Detection: A Review	Intelligent Systems Reference Library	E& TC Engg	2021-22