

### 3.4.5 Number of books and chapters in edited volumes published per teacher during

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication
1	K. P. Shadangi	Advances in Biofeedstocks and Biofuels, Volume 3: Liquid Biofuel Production	Effect of Upgrading Techniques on fuel properties and Composition of Bio-Oil	2019
2	K. P. Shadangi	Liquid biofuels: Fundamentals, Characterization and Applications	Suitability of oil seed residues as a potential source of bio-fuels and bioenergy	2021
3	K. P. Shadangi	Liquid biofuels: Fundamentals, Characterization and Applications	Application of nanotechnology in the production of biofuel	2021
4	K. P. Shadangi	Liquid biofuels: Fundamentals, Characterization and Applications	NA	2021
5	K. P. Shadangi	NA	Niger Seed Thermal Pyrolysis: Characterization of Aqueous Phase Pyrolytic Liquid and Char	2019

6	Achyut K PAnda	Energetic and Exergetic Performance Analysis of a CI Engine Fuelled with Diesel-Blended Plastic Pyrolytic Oil. <a href="https://doi.org/10.1007/978-981-13-2116-0_13">https://doi.org/10.1007/978-981-13-2116-0_13</a>		2019
7	Achyut K PAnda	Effective Utilisation of Kitchen Waste to Biogas by Anaerobic Co-digestion		2020
8	Achyut K PAnda	Polymer nanocomposites from waste thermoplastics		2020
9	Achyut K PAnda	Sustainable conversion of biomass to energy		2020
10	Prof. S K Swain	Graphene-based Nanocomposite Sensors: Detection to Diagnosis		2023
11	Prof. S K Swain	Chitosan Nanocomposites: Bionanomechanical Applications		2023
12	Prof. S K Swain	Nanohybrid Materials for Water Purification		2022

13	Prof. S K Swain	Nanostructured Polymeric composites for biomedical applications		2020
14	Prof. S K Swain	Bionanocomposites for packaging applications		2018
15	Prof. S K Swain	Graphene based Nanocomposite Sensors: Present, Past and Future		2023
16	Prof. S K Swain	Graphene based Polymer nanocomposite for sensing		2023
17	Prof. S K Swain	Graphene based nanocomposite for protein sensing		2023
18	Prof. S K Swain	Chitosan: A smart biomaterial		2023
19	Prof. S K Swain	Chitosan-Based nano biomaterials and their applications in dentistry		2023
20	Prof. S K Swain	Challenges and future perspectives of chitosan nanocomposites for bionanomechanical applications		2023
21	Prof. S K Swain	Self-healing of nanoscale polymer-based coatings		2023

22	Prof. S K Swain	Water Pollution Issues and Monitoring the Problems		2022
23	Prof. S K Swain	Nanohybrid Materials		2022
24	Prof. S K Swain	Polymer Grafted Nanocomposites for Water Decontamination		2022
25	Prof. S K Swain	Thermal Analysis of Magnetic Hybrid Nanoalloys and their Nanocomposites		2022
26	Prof. S K Swain	Biological aspects of polymer Nanocomposites		2022
27	Prof. S K Swain	Graphene based nanocomposites for biomedical engineering		2021
28	Prof. S K Swain	Dextran and pullulan-based hybrid materials for tissue engineering applications		2021
29	Prof. S K Swain	Soy protein based biocomposites as ideal packaging materials		2021

30	Prof. S K Swain	Smart composite materials for civil engineering applications		2021
31	Prof. S K Swain	Microscopic analysis and characterization of natural rubber containing carbon fillers		2019
32	Prof. S K Swain	Oral delivery of insulin by hybrid polymers		2019
33	Prof. S K Swain	Polysaccharide based rubber nanocomposites		2019
34	Prof. S K Swain	A correlation between the graphene surface area, functional groups, defects, and porosity on the performance of the nanocomposites		2019
35	Prof. S K Swain	Nanomaterials as sensor for hazardous gas detection		2019

36	Trinath Biswal, Pravin	Plastic Pollution and its Effect on the Environment, Handbook of Research on Environmental and Human Health Impacts of Plastic Pollution,		2019
37	Dr T Biswal	Environmental Change and its Impact on Biological System, Global Climate change its Cause and Effect L		2020
38	Dr T Biswal	Assessment of Current Soil Bioremediation Technologies in the Book Bioremediation and Phytoremediation Technologies in Sustainable Soil Management		2020

39	Dr T Biswal	Bioremediation and Phytoremediation Technologies in Sustainable Soil Management, and Fundamental Aspects and Contaminated Sites, Volume-1, Bioremediation of Waste Dumping Sites		2020
40	Dr T Biswal	Climate Change and Its Impact on Soil Fertility and Life Forms, Chapter-1, Climate Change and Its Impact on Fertility		2020
41	Dr T Biswal	Book Liquid Biofuels, Application of nanotechnology in the production of biofuel,		2021

42	Dr T Biswal	, Effect of Pollution on Physical and Chemical Properties of Soil, Book :Handbook of Research on Microbial Remediation and Microbial Biotechnology for Sustainable Soil		2021
43	Dr T Biswal	Bioremediation and Phytoremediation Technologies in Sustainable Soil Management, Volume 4: Degradation of Pesticides and Polychlorinated Biphenyls, Genetic Systems in Soil Bacteria for Degradation of Polychlorinated Biphenyls		
44	Dr T Biswal	Solid waste and Landfill leachate: The transient sources of emerging microbes and legacy contaminants for groundwater pollution		

45	Dr T Biswal	Bioremediation of Plastic Material by using Nanotechnology, Springer Proceedings Series.		2020
46	Laxmipriya Mohanty	Geospatial Modeling for Environmental Management: Case Studies from South Asia	ESTIMATION OF PARAMETERS IN UNGAUGED CATCHMENT USING MAP-CORRELATION METHOD: A CASE STUDY ON KRISHNA-GODAVARI BASIN	Accepted in 2021
47	Laxmipriya Mohanty		On Sediment Concentration and Discharge Relationship	2019
48	Laxmipriya Mohanty		Geostatistical analysis of Krishna-Godavari river basin	2019
49	Laxmipriya Mohanty		Study of Flow over a Rectangular Broad-Crested Weir	2019
50	Laxmipriya Mohanty		A Review on Factors Affecting Sediment Rating Curve	2019

51	Laxmipriya Mohanty		A Critical Review on Techniques for Analysing Recession Flow using Channel Network Morphology	2019
52	Ajaya Kumar Das		Plantar pressur measurement using Piezo sensors system	2021
53	Ramakanta Panigrahi	Elements of Steel, Timber and Masonry Design		2019
54	Ramakanta Panigrahi	Structural Design-I (RCC)		2019
55	Kajal Swain		Bearing Capacity of Square Footing on Cohesive Soil Reinforced with Geocomposite	2022
56	S. Upadhyaya, B. Nanda, R.K. Panigrahi	Sustainable Construction and Building Materials	Experimental analysis of partial replacement of fine aggregate by granite dust in concrete	2019
57	J. Mishra, S.K. Das, B. Nanda, S.K. Patro, S.M. Mustakim	ircular Economy in the Construction Industry	Strength Development in Ferrochrome Ash-Based Geopolymer Concrete	2019

58	L. Mohanty, A. Swain, B. Nanda	Geospatial Modeling for Environmental Management: Case Studies from South Asia (1st ed.)	Estimation of parameters in ungauged catchment using Map Correlation Method: A case study on Krishna-Godavari river basin	2022
59	S K Panigrahi	<i>International Conference on Computational Mechanics and Simulations</i>	Effect of Anchorage Length on GFRP Strengthened RC-T Beam	2019
60	S. Prusty, S. Jena, R. Panigrahi	International Conference on Advances in Construction materials and Structures (ICCMS 2022)	Chloride resistance of FA-GGBS based alkali activated concrete	2022
61	S. Jena, R. Panigrahi, S.P. Swain	International conference on Recent development in Sustainable Infrastructures: Research and Practices (ICRDSI-2020), KIIT, BBSR	Characterization of Geopolymer bricks: A Review	2020
62	S. Jena, R. Panigrahi, S. Das	International conference on Recent development in Sustainable Infrastructures: Research and Practices (ICRDSI-2020), KIIT, BBSR	Behaviour of reinforced Geopolymer concrete beams: A Review	2020

63	S. Jena, R. Panigrahi, S. Behera	Third International Congress on Advances in Mechanical Science” (ICAMS-2020), Vardhaman College of Engineering, Hyderabad, 26-27 June 2020	Experimental investigation on geo-polymer concrete by using steel slag at higher temperature	2020
64	S. Jena, R. Panigrahi, A. Panda	1. 4th International conference on Innovative advancement in Engineering & Technology (IAET 2020), Jaipur National University, Jaipur, Rajasthan, February 21-22, 2020.	Influence of GGBS on the properties of charge chrome based geopolymer concrete in ambient temperature	2020
65	S. Jena, R. Panigrahi, S. Padhy	9th International conference on Sustainable waste management towards circular economy (IconSWM-CE 2019), KIIT University, Bhubaneswar, November 27-30, 2019.	Experimental investigation on geopolymer concrete with low density aggregate	2019

66	S. Jena, R. Panigrahi	International conference trends and recent advances in civil engineering (TRACE 2018), Amity University, Uttar Pradesh, August 23-24, 2018	Experimental Investigations on Flyash Geopolymer mortar	2018
67	S. Jena, R. Panigrahi	International conference on Structural Engineering Convention (SEC 2018), Jadavpur University, West Bengal, December 19-21, 2018	Behaviour of blended fly ash and silica fume geopolymer mortar	2018
68	S. Jena, R. Panigrahi, P. Sahu	International Conference on Sustainable Construction and Building Materials, June 18-22, 2018, National Institute of Technology, Surathkal, India	Effect of silica fume on the properties of flyash geopolymer concrete	2018
69	S. Upadhyay, R. Panigrahi, B. Nanda	International Conference on Sustainable Construction and Building Materials, June 18-22, 2018, National Institute of Technology, Surathkal, India	Experimental analysis of partial replacement of fine aggregates by granite dust in concrete'	2018

70	S. Panda, R. Panigrahi	TEQIP-III sponsored online National Conference on Sustainable Materials and Practices for Infrastructure Development (SMPID-2020), Government College of Engineering Kalahandi, Bhawanipatna, Odisha, September 17-18, 2020	Compressive Strength of Mortar wit Alkali Activated Flyash and Ground Granulated Blast Furnance Slag	2020
71	K. Priyadarsini, J. Ojha		EXPERIMENTAL STUDIES ON PROPERTIES OF SULFUR MODIFIED BINDER WITH AGING	2020
72	Abhayaa Nayak, Janhabi Meher		Prediction of LULC in Kantamal, Odisha (India)	2021
73	Abhayaa Nayak, Anil Kumar Kar		Study and prediction of built-up land use for Bhubaneswar and its corresponding effects	Conference Proceedings Accepted 2023
74	R. S. Krishna, J. Mishra , S.K. Das , B. Nanda , S.K. Patro, S.M. Mustakim	ailored Functional Materials	A Review on Potential of Graphene Reinforced Geopolymer Composites	2023

75	Akankshya, Rakesh R. Dash, S. Mohanty	Lecture Notes in Civil Engineering	Removal of Organic Matters and Nutrients by Using Bio-balls and Corn Cobs as Bio- film Carrier in MBBR Technology	2021
76	Rajiv L.Sahu, Rakesh R.Dash, Pradip K.Pradhan, Sourava Sahoo	Lecture Notes in Civil Engineering	Effectiveness of River Bed Filtration in Pollutant Removal Along the River Tel, India	2021
77	A. Kumari and A. N. Nayak	Lecture Notes in Civil Engineering Book Series (LNCE, Volume 75)	Behaviour of RC Deep Beams Strengthened with Externally Bonded GFRP Fabrics: An Experimental Study	2020
78	Pradhan, J.; Panda, S.; Mandal, R. K.; Panigrahi, S. K	Materials Today Proceedings	Influence of GGBFS-based blended precursor on fresh properties of self- compacting geopolymer concrete under ambient temperature	2023
79	Das, R.; Panda, S.; Sahoo, A. S.; Panigrahi	Materials Today Proceedings	Effect of superplasticizer types and dosage on the flow characteristics of GGBFS based self- compacting geopolymer concrete.	2023

80	Pradhan, P.; Panda, S.; Parhi, S. K.; Panigrahi, S. K	Materials Today Proceedings	Effect of critical parameters on the fresh properties of Self Compacting geopolymer concrete	2022
81	Pradhan, P.; Panda, S.; Parhi, S. K.; Panigrahi, S. K	Materials Today Proceedings	Variation in fresh and mechanical properties of GGBFS based self-compacting geopolymer concrete in the presence of NCA and RCA	2022
82	Behera, H. K.; Das, S. S; Giri, D.; Panigrahi, S. K	Materials Today Proceedings	Application of ANN for evaluating WMA marshall parameters	2022
83	Mohanty, L.; Panigrahi, S. K; Patnaik, M	Materials Today Proceedings	Assessment of Water Quality of Mahanadi Basin using Statistical and Wavelet Techniques	2022
84	S. Prusty, S. Jena, R. Panigrahi	Materials Today Proceedings	Study of the mechanical and micro structural properties of blended fly ash slag-based alkali activated concrete	2022
85	S. Jena, R. Panigrahi	Materials Today Proceedings	Feasibility study of the properties of geopolymer concrete with ferrochrome slag and silica fume	2021

86		International Conference on Pollution Control for Clean Environment	Sustainable recycled aggregate concrete using GGBFS as replacement of binder: A review on compressive strength and microstructural properties.	
87	A N Nayak			2023
88	A N Nayak	ICRDSI	Non-destructive characteristics of alkali activated recycled aggregate concrete with blast furnace slags.	2023
89	A N Nayak	SEC 2022	Dynamic instability characteristics of Spherical Panels subjected to linearly varying in-plane loading	2022
90	A N Nayak	SEC 2022	Nonlinear FE Model for Shear Strengthening of Simply Supported RC Beams with FRP DE Bars	2022
91	A N Nayak	SMPBE-2021	Reinforced concrete deep beam shear retrofitted with deep embedded bar: A numerical investigation	2021

92	A N Nayak	IEI Conferences	Application of fly ash cenosphere in cement composites: A comprehensive review	2021
93	A N Nayak	9thIcnSWM-CE 2019	Development of eco-efficient and cost-effective concrete using recycled aggregate and ground blast furnace slag	2019
94	A N Nayak	<i>Proceedings of the 9th Biennial Conference on Advanced Composites in Construction 2019</i>	Nonlinear Finite Element Analysis of Reinforced Concrete Beams Strengthened in Shear with Embedded Steel Bars	2019
95	A N Nayak	ICRDSI-2019	Behaviour of RC deep beams strengthened with externally bonded GFRP fabrics: An experimental study	2019
96	A N Nayak	ICRDSI-2019	Study on specific compressive strength of concrete with fly ash cenosphere.	2019
97	L Sinha A N Nayak	COAST-2019	Free Vibration characteristics of laminated composite stiffened plates	2018

98	A N Nayak	62nd Annual Technical Session, March 28, 2021, Institution of Engineers (India) Odisha State Centre, Bhubaneswar	Experimental Study on vibration characteristics of stiffened composite plates	2018
99		CUPSD-2019	Hardened Properties of Concrete with fly ash cenosphere as fine aggregate.	2019
100		59th Annual Technical Session, January 21, 2018, Institution of Engineers (India) Odisha State Centre, Bhubaneswar.	Seismic analysis and design of multi-storeyed unsymmetrical RC framed building.	2018
101	Subhadarsini, S., Pradhan, S.P., Munda, J., Pradhan, P.K	Lecture Notes in Civil Engineering	A PSO-Based Estimation of Dynamic Earth Pressure Coefficients of a Rigid Retaining Wall	2019
102	J Munda, J Padhi, S Mohanty	Materials Today Proceedings	Investigation on performance of expansive soil stabilized with fly ash and nano-SiO <sub>2</sub>	
103	J Munda, S Mohanty	Lecture Notes in Civil Engineering	State-Of-The-Art Review on Improvement of Strength Characteristics of Soil Using Nano Silica	
104	Swagatika Sahoo, Janhabi Meher	Proceeding Of International Conference on Emerging Trends in Engineering and Technology- Industry 4.0	Assessment of conservation potential of sub-watersheds in the Biatarani river basin in Odisha by using morphometric analysis	

105	Shradhanjalee Pradhan, Janhabi Meher, Bibhuti Bhusan Sahoo	Proceeding Of International Conference on Emerging Trends in Engineering and Technology- Industry 4.0		
106	Pratap Kumar Pradhan, Shubhashish Bhoi, and Namrata Bishi	ICRDSI-2020	Estimation of PCE for Heterogeneous Traffic Stream in the Dual Carriageway Section	
107	Dr. Suvasini Panigrahi	Cyber Security in Parallel and Distributed Computing: Concepts, Techniques, Applications and Case Studies	Distributed Computing Security: Issues and Challenges	2019
108	Dr. Suvasini Panigrahi	In Proceedings of the 2019 Global Conference for Advancement in Technology (GCAT)	A comparison of ensemble classifiers used for detection of superimposed fraud	2019
109	Dr. Suvasini Panigrahi	In Proceedings of the 2019 Global Conference for Advancement in Technology (GCAT)	Decision Templates based Ensemble Classifiers for Automobile Insurance Fraud Detection	2019

110	Dr. Suvasini Panigrahi	Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 1034)	Application of Generalized Possibilistic Fuzzy C-Means Clustering for User-profiling in Mobile Networks	2020
111	Dr. Suvasini Panigrahi	Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 1034)	Use of data mining techniques for data balancing and fraud detection in automobile insurance claims	2020
112	Dr. Suvasini Panigrahi	In Proceedings of the 3rd International Conference on Computing, Communication, Information Security and analysis (ICCCISA-2019)	A Hybrid Database Intrusion Detection Algorithm Using Swarm Intelligence and Radial Basis Function Network	2019
113	Dr. Suvasini Panigrahi	Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 1082)	Application of Deep Learning for Database Intrusion Detection	2020
114	Dr. Suvasini Panigrahi	Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 1082)	Role of Soft Outlier Analysis in Database Intrusion Detection	2020

115	Dr. Suvasini Panigrahi	In Proceedings of the 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA)	Anomaly Detection in Database using BAT algorithm	2020
116	Dr. Santosh Kumar Majhi	Part of the <u>Lecture Notes in Networks and Systems</u> book series	<a href="#">A Dynamic Load Scheduling Using Binary Self-adaptive JAYA (BSAJAYA) Algorithm in Cloud-Based Computing</a>	2021
117	Dr. Santosh Kumar Majhi	Progress in Advanced Computing and Intelligent Engineering	Effectiveness of Swarm-Based Metaheuristic Algorithm in Data Classification Using Pi-Sigma Higher Order Neural Network	2021
118	Dr. Santosh Kumar Majhi	Advances in Intelligent Systems and Computing	How Effective is the Salp Swarm Algorithm in Data Classification	2021
119	Dr. Santosh Kumar Majhi	Advances in Intelligent Systems and Computing	Classification of Phishing Websites Using Moth-Flame Optimized Neural Network	2019

120	Dr. Santosh Kumar Majhi	Recent Developments in Machine Learning and Data Analytics	How Effective Is the Moth-Flame Optimization in Diabetes Data Classification	2019
121	Dr. Santosh Kumar Majhi	Emerging Technologies in Data Mining and Information Security	A Hybrid Clustering Algorithm Based on Kmeans and Ant Lion Optimization	2019
122	Dr. Sumitra Kisan	AI and Machine Learning Paradigms for Health Monitoring System	A Novel Lossless Image Cryptosystem for Binary Images Using Feed-Forward Back-Propagation Neural Networks	2021
123	Dr. Satya Prakash Sahu	Architectural Wireless Networks Solutions and Security Issues	Fuzzy Q-learning based controller for cost and energy efficient load balancing in cloud data center	2021
124	Dr. Satya Prakash Sahu	<u>IEEE 17th India Council International Conference</u>	Supervised Machine Learning for Link Prediction Using Path-Based Similarity Features	2020

125	Dr. Satya Prakash Sah	<a href="#">International Conference on Computational Science and Its Applications</a>	Quantifying Influential Communities in Granular Social Networks Using Fuzzy Theory	2020
126	Dr. Suvasini Panigrahi	Intelligent Technologies: Concepts, Applications, and Future Directions	Application of Soft Computing Techniques in Database Intrusion Detection	2022
127	Dr. Sumitra Kisan	Intelligent Manufacturing Systems in Industry 4.0,	Brightness Preserving Medical Image Contrast Enhancement Using Entropy-Based Thresholding and Adaptive Gamma Correction with Weighted Distribution	2023
128	Alina Dash	8th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering	Extreme learning with Artificial Electric Field Algorithm (EL-AEFA) for estimation of Short-term Vehicular Traffic System	2021
129	Alina Dash	Lecture Notes in Networks and Systems	Average Image Hashing-Based Tamper Detection and Localization Using Fragile Watermarking	2022

130	Alina Dash	Lecture Notes in Networks and Systems	Secure Sharing of Medical image using Watermarking Technique	2022
131	Alina Dash	Communications in Computer and Information Science	Zero Watermarking Scheme Based on Polar Harmonic Fourier Moments	2022
132	Alina Dash	Lecture Notes in Networks and Systems 725	Digital Watermarking Using Visual Cryptography	2023
133	Bibhuti prasad Sahoo		<u>Load Frequency Control of Solar Photovoltaic/Wind/Bioogas/Biodiesel Generator Based Isolated Microgrid Using Harris Hawks Optimization</u>	2020
134	Lingraj Dora		A novel optimal Gabor algorithm for face classification	2019
135	Lingraj Dora		A new hybrid adaptive cuckoo search-squirrel search algorithm for brain MR image analysis	2020

136	Santi Behera		Detection and Classification of Fault in Distributed Generation System Using Neuro-Fuzzy Technique	2021
137	Sasmita Behera		Grid-Connected Distributed Wind-Photovoltaic Energy Management: A Review	2020
138	Sasmita Behera		State of Charge based Control Strategy for Battery Energy Storage System in DC Microgrid.	2020
139	Sasmita Behera		Economic Load Dispatch with Renewable Energy Resources and Plug-in Electric Vehicles	2020
140	Sasmita Behera		Comparison of Internal Fault Classification of Wind Turbine Benchmark Model	2019

141	Sasmita Behera		Data-driven model of Photovoltaic Module by Machine Learning Regression for Power Maximization	2020
142	Sasmita Behera		Comparison of Inverter Control by SPWM and SVPWM Method in Standalone PV System.	2020
143	Sasmita Behera		Data-driven model of Proton Exchange Membrane Fuel Cell by Support Vector Machine	2020
144	Sasmita Behera		An Optimize Configuration of H-Bridge Multilevel Inverter	2021

145	Sarmila Garnaik		Noise Reduction in Electrocardiogram Signal using Hybrid methods of Empirical Mode Decomposition with Wavelet Transform and Non-local Means Algorithm with Wavelet Transform and Non-local Means Algorithm	2018
146	Santi Behera		Frequency Regulation of a Multi-area Renewable Power System Incorporating with Energy Storage Technologies	2021
147	Santi Behera		<u>Power Quality Improvement in Hybrid Power System using D-STATCOM"</u>	2019
148			Detection and classification of power quality disturbance using phase corrected wavelet and artificial neural network, Institute of Engineers	2019

149				
150	Bibhuti prasad Sahoo		RUN Algorithm Based 2D-PIDF-(1+PIDDF) Controller for Load Frequency Control in a Microgrid	2021
151	Bibhuti prasad Sahoo		ABC Algorithm Based Fuzzy-Pid-(1+Pidd) Controller for Load Frequency Control in Multi Microgrids	2021
152	Sasmita Behera		Voltage Control Optimization by Equilibrium Optimizer for Unity Power Factor Operation of Grid-Connected Three-Phase Photovoltaic Inverter	2021
153	Sasmita Behera		Lifetime Estimation of DC-Link Capacitor in a Standalone PV System with an Integrated Backup Battery	2021

154	Sasmita Behera		Combined Environmental and Economic Dispatch in presence of Sustainable Sources using Particle Swarm Optimization	2021
155	Sasmita Behera		Very Short-Term Photovoltaic Power Forecast by Multi-input Long Short-Term Memory Network	2022
156	Sasmita Behera		Comparison of Machine Learning Methods for Short-Term Solar Irradiation Forecast	2022
157	Sasmita Behera		Design and Control of 11-Level Modular Multilevel Converter with Dual Purpose Inverter for Grid Connected Photovoltaic System	2022
158	Sasmita Behera		Developments in Wide-Area Monitoring for Major Renewables: Wind and Solar Energy	2023

159	Sasmita Behera		Dynamic Economic Load Dispatch of Hydrothermal System	2022
160	T.Nayak, N. Bhoi			2023
161	T.Nayak, N. Bhoi		Comparative Analysis of Different Clustering Techniques for Video Segmentation	
162	T.Nayak, N. Bhoi	Innovations in Electronics and Communication Engineering	Comparative Analysis of Different Clustering Techniques for Video Segmentation Innovations in Electronics and Communication Engineering, Lecture Notes in Networks and Systems 65	2018
163	Sakambhari Mahapatra	Automated Retinal Image Segmentation: Techniques and Implementations		2023
164	Sakambhari Mahapatra		Retinal Image Segmentation Using Gabor transform with preprocessing and Hysteresis thresholding	2019

165	Sakambhari Mahapatra		Curvelet transform and Isodata thresholding for retinal vessel extraction	2018
166	Aditya Kumar Hota, Shashanka Sekhar Rout, Kabiraj Sethi	Advanced VLSI Design and Testability Issue	Active Inductor Based VCO for Wireless Communication	2020
167	Aditya Kumar Hota, Kabiraj Sethi			2019
168	Aditya Kumar Hota, Kabiraj Sethi			2020
169	Dr. Madhusmita Panda, Dr. Bikramaditya Das	Lecture Notes in Electrical Engineering, vol 556. Springer, Singapore	<i>Grey Wolf Optimizer and Its Applications: A Survey,</i>	2019
170	Dr. Madhusmita Panda, Dr. Bikramaditya Das, Prof B.B. Pati		Grey wolf optimization for global path planning of autonomous underwater vehicle	2019
171	Dr. Madhusmita Panda, Dr. Bikramaditya Das, Prof B.B. Pati	Lecture Notes in Electrical Engineering, vol 630	A Hybrid Approach for Path Planning of Multiple AUVs	2020
172	Dr. Madhusmita Panda, Dr. Bikramaditya Das	Lecture Notes in Networks and Systems, vol 185	Multiagent System of Autonomous Underwater Vehicles in Octagon Formation	2021
173	Dr. Madhusmita Panda	Lecture Notes in Networks and Systems, vol 720	Application of ACO and Its Variants for Optimized Routing of Mobile Robots	2023

174	M.Sahoo, H.K.Sahoo		Adaptive Channel Estimation & Capacity Analysis for MIMO OFDM Communication in Urban and Sub-urban Environments Using Sparse Diffusion LMS Algorithm	2019
175	S.Samal, H.K.Sahoo, M.Sahoo		Realization of Adaptive Beamformer for Angle of Arrival Estimation using FPGA and Xilinx System Generator	2020
176	L. Ghadei, H.K.Sahoo		Performance Comparison of Neural Network based Equalizers for Wireless Communication Channels	2020
177	M.Sahoo, H.K.Sahoo		Robust Variable Power Fractional LMP Based Channel Estimation For MIMO Fading Wireless Systems	2020

178	H.K.Sahoo, B.Mohanty, B.Patnaik		Neural network and sparse block processing based nonlinear adaptive equalizer for MIMO OFDM communication systems	2018
179	B.K. Bhoi	Smart Innovation, Systems and Technologies	A Redundant Adder Architecture in Ternary Quantum-Dot Cellular Automata	2020
180	Dharamvir Kumar, Dr. Manoranjan Pradhan	Innovations in Electronics and Communication Engineering. Lecture Notes in Networks and Systems, vol 107	Comparative Analysis of Partial Product Generators for Decimal Multiplication Using Signed-Digit Radix-10, -5 and -4 Encodings	2020
181	Dharamvir Kumar, Dr. Manoranjan Pradhan	Recent Trends in Electronics and Communication	Comparative Analysis of Decimal Fixed-Point Parallel Multipliers Using Signed Digit Radix-4, 5 and 10 Encodings	2021

182	B.K. Bhoi	Communications in Computer and Information Science	Analyzing design parameters of nano-magnetic technology-based converter circuit.	2020
183	B.K. Bhoi	In Recent Trends in Communication, Computing, and Electronics	An Explicit Cell-Based Nesting Robust Architecture and Analysis of Full Adder.	2019
184	B.K. Bhoi	In Smart Intelligent Computing and Applications	Synthesis Methods of Baugh-Wooley Multiplier and Non-restoring Divider to Enhance Primitive's Results of QCA Circuits.	2019
185	D. Konhar		Wideband Corporate feed Circularly polarized Patch antenna Array	2018
186	D. Konhar		A miniature modified patch antenna for K-band	2018
187	Panda.R.A, C. Mohan Tripathy, K. C. Sahu and Mishra,D		Perturbed Triangular Patch Antenna with DGS for K Band Application	2019

188	Panda.R.A, Mishra,D., P. Kumari, B. Hansdah and R. K. Singh		Gauging trowel shaped patch with circular rings for 60 GHz WLAN	2020
189	Panda.R.A and Mishra,D		High Directional CPW fed Butterfly Shaped Patch Antenna for WiGig Networks	2019
190	<u>Radhashyam Patra; Arunanshu Mahapatro; Himanshu B. Mishra; Prem Singh; Sonali Panda</u>		PAPR and CCDF Analysis of Superimposed Training Sequence- based MIMO- FBMC OQAM Systems	2019
191	<u>Radhashyam Patra; Arunanshu Mahapatro; Amaresh Kumar Sahu; Naresh Chandra Naik</u>		Performance Evaluation of Affine Precoding and Decoding based CDMA- FBMC/OQAM Systems	2020
192	Sanjay Agrawal & Rutuparna Panda	CVIP 2020	A non-local spatial coherent fuzzy c-means clustering for bias field correction in brain MR images	2020

193	Sanjay Agrawal & Rutuparna Panda	ICCCNT	MR image enhancement using stationary wavelet transform based approach	2020
194	Bijay Kumar Sa, Rutuparna Panda, Sanjay Agrawal	ICCCNT	Brain Magnetic Resonance Image Tumor Detection and Segmentation Using Edgeless Active Contour	2020
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