

List of Publications by Department of Electronics and Communication ,BIT Sindri (2017-2023)

I. SCI

2023

Sl. No.	Authors	Title	Journal	Year	Vol	Year	Month	Pages	DOI/URL
1	Dr. Prashant Kumar Singh	Miniaturized Power Divider With Triple-Band Filtering Response Using Coupled Line	IEEE Access	2023	11	2023	March	27602-27608	10.1109/ACCESS.2023.3257985
2	Dr. Praveen Kumar Sahu	Facile controlled synthesis of bifunctional ZnO nanoparticles for application as a high-performance self-powered UV photosensor and highly selective vapor sensor	Materials Science and Engineering: B	2023	293	2023	July	116470	https://doi.org/10.1016/j.mseb.2023.116470

2022

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1	Amar Prakash Sinha	Digital Control and Readout of MEMS Gyroscope Using Second-Order Sliding Mode Control	IEEE SENSORS JOURNAL	2022	22	2022	November	20567-74	10.1109/JSEN.2022.3189475
2	Imteyaz Ahmad	Digital Control and Readout of MEMS Gyroscope Using Second-Order Sliding Mode Control	IEEE SENSORS JOURNAL	2022	22	2022	November	20567-74	10.1109/JSEN.2022.3189475
3	Dr. Praveen Kumar Sahu	Fabrication and Characterization of P3HT/MoS ₂ Thin-Film Based Ammonia Sensor Operated at Room Temperature	IEEE SENSORS JOURNAL	2022	22	2022	April	10361-69	10.1109/JSEN.2022.3170698

2020

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1	Dr. M. G. Tiary	A Multiband Antenna using Plus Shaped Fractal like Element and Stepped Ground Plane.	International Journal of RF and Microwave Computer Aided Engineering, Wiley	2020	30(5), e22169	2020	January	44206	10.1002/mmce.21777
2	Dr. M. G. Tiary	UWB Mono Pole Antenna with Dual Band Notched Characteristics	International Journal of Microwave Optical Technology Letter, Wiley	2020	62(3)	2020		1222-1229	10.1002/mop.32112
3	Dr. Praveen Kumar Sahu	MoS ₂ Assisted Self-Assembled Poly (3-hexylthiophene) Thin Films at Air/Liquid Interface for High-Performance Field-Effect Transistors under Ambient Condition	The Journal of Physical Chemistry C	2020	124	2020	March	8101–8109	https://doi.org/10.1021/acs.jpcc.9b11808
4	Dr. Praveen Kumar Sahu	Polymer/Graphene oxide nanocomposite thin film for NO ₂ sensor: An in situ investigation of electronic, morphological, structural, and spectroscopic properties	Scientific Reports	2020	10	2020	February	2981	https://doi.org/10.1038/s41598-020-59726-5

2019

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1	Dr. M. G. Tiary	An UWB Trapezoidal Ring Fractal Mono Pole Antenna with Dual Notch Characteristics	International Journal of RF and Microwave Computer Aided Engineering, Wiley	2019			March	44206	10.1002/mmce.21777
2	Dr. Praveen Kumar Sahu	Fast Development of Self-Assembled, Highly Oriented Polymer Thin Film and Observation of Dual Sensing Behavior of Thin Film Transistor for Ammonia Vapor	Macromolecular Chemistry and Physics	2019	220	2019	April	1900010	https://doi.org/10.1002/macp.201900010

2018

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1	Dr. Praveen Kumar Sahu	Influence of alumina and silica addition on the physico-mechanical and dielectric behavior of ceramic porcelain insulator at high sintering temperature	Boletín de la sociedad española de cerámica y vidrio	2018	57	2018	July	151-159	https://doi.org/10.1016/j.bsecv.2017.11.002
2	Dr. Praveen Kumar Sahu	Effect of ZrO ₂ on the sintering behavior, strength and high-frequency dielectric properties of electrical ceramic porcelain insulator	Materials Research Express	2018	5	2018	January	15202	10.1088/2053-1591/aaa5b9
3	Dr. Praveen Kumar Sahu	Fast grown self-assembled polythiophene/graphene oxide nanocomposite thin films at air-liquid interface with high mobility used in polymer thin film transistors	Journal of Materials Chemistry C	2018	6	2018	August	9981-9989	https://doi.org/10.1039/C8TC02485E
4	Dr. Praveen Kumar Sahu	Sol-gel spin coating assisted room temperature operated nanostructured ZnO ethanol sensor with behavior transformation	Journal of Sol-Gel Science and Technology	2018	88	2018	October	322-333	10.1007/s10971-018-4841-5

2017

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1	Dr. Prashant Kumar Singh	Design of switchable microstrip low pass-band stop-band pass filter	Microwave and Optical Technology Letters	2017	59(2)	2017	February	257-260	10.1002/mop.30272
2	Dr. Prashant Kumar Singh	Ultra-compact switchable microstrip band-pass filter-low-pass filter with improved characteristics	Microwave and Optical Technology Letters	2017	59(1)	2017	January	197-201	10.1002/mop.30262
3	Dr. Praveen Kumar Sahu	Air-stable vapor phase sensing of ammonia in sub-threshold regime of poly (2, 5-bis (3-tetradecylthiophen-2yl) thieno (3, 2-b) thiophene) based polymer thin-film transistor	Sensors and Actuators B: Chemical	2017	246	2017	July	243-251	https://doi.org/10.1016/j.snb.2017.02.063
4	Dr. Praveen Kumar Sahu	Optimized hydrogen sensing characteristic of Pd/ZnO nanoparticles based Schottky diode on glass substrate	Materials Research Express	2017	4	2017	October	105014	10.1088/2053-1591/aa8bc1

