Research publication details

S. No	Name of the Authors	Title of the paper published	Journal	Volume Issue No	Online link	Year
1	**A Sundar Raj**, M. Chinnadurai	Energy efficient routing algorithm in wireless body area networks for smart wearable patches	Computer Communications **(SCI Expanded)**	153, 85-94	https://www.sciencedirect.com/science/article/pii/S0140366419315373	2020
2	**M. Irshad Ahamed**, KS Kumar	Modelling of electronic and optical properties of Cu2SnS3 quantum dots for optoelectronics applications	Materials Science Poland **(SCI Expanded)**	37 (1), 108-115	http://yadda.icm.edu.pl/baztech/element/bwmeta1.element.baztech-bd5682d8-f5f3-429f-b67e-587b46dc399a	2019
3	**M. Irshad Ahamed**, KS Kumar	Studies on Cu2SnS3 quantum dots for O-band wavelength detection	Materials Science-Poland **(SCI Expanded)**	37 (2), 225-229	http://scholar.google.com/scholar?cluster=10710574664359871905&hl=en&oi=scholarr	2019
4	A Pon, A Bhattacharyya, **B Padmanaban**, R Ramesh	Optimization of the geometry of a charge plasma double-gate junctionless transistor for improved RF stability	Journal of Computational Electronics **(SCI Expanded)**	18 (3), 906-917	https://link.springer.com/article/10.1007/s10825-019-01340-4	2019
5	**A Sundar Raj**, M Chinnadurai	Multiple input and multiple output and energy-aware peering routing protocol for energy consumption in sensor networks	International Journal of Communication Systems **(SCI Expanded)**	e4267	https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.4267	2019

6	**A Sundar Raj,** M Chinnadurai	An queueing model with improved delay sensitive medical packet transmission scheduling system in e-health networks	Journal of Ambient Intelligence and Humanized Computing **(SCI Expanded)**	12 (3), 3493-3504	https://link.springer.com/article/10.1007/s12652-020-02756-8	2020
7	**Dr.B.Padmana ban** S.Sathiyamoort hy	A metaheuristic optimization model for spectral allocation incongnitive networks based on ant colony algorithm (M-ACO)	Soft Computing **(SCI Expanded)**	Volume:24 Issue:20 Page:15551-15560	http:/link.springer.com/article/10.1007/s00500-020-04882-z	2020
8	**D.Devarajan,** Dr.S.M.Ramesh Dr.B.Gomathy	A metaheuristic segmentation framework for detection of retinal disorders from fundus images using a hybrid ant colony optimization	Soft Computing –Springer **(SCI Expanded)**	Volume-24 Page: 13347-13356	DOI: doi.org/10.1007/s00500-020-04753-7	2020
9	**M. Irshad Ahamed** K. Sathish Kumar E. Edward Anand A. Sivaranjani	Optical Attenuation Modelling of $PbSe_xS_{1-X}$ Quantum Dots with Vegard's Law and Brus Equation Use	Journal of Ovonic Research **(SCI Expanded)**	Vol. 16, No. 4, July - August 2020, p. 245 - 252	http://www.chalcogen.ro/245_AhamedMI20.pdf	2020
10	**M. Irshad Ahamed**, M.AHAMED, A. SIVARANJAN I	Energy bandgap studies on copper chalcogenide semiconductor nanostructures using cohesive energy	Chalcogenide Letters **(SCI Expanded)**	18 (5), 245-253	https://chalcogen.ro/245_AhamedMI.pdf	2021

11	**M. Irshad Ahamed**, M.AHAMED, R. Muthaiyan	Modelling of density of states and energy level of chalcogenide quantum dots	International review of applied science and engineering **(SCOPUS Indexed)**	13, no. 2, pp. 42-46	https://doi.org/10.1556/1848.2021.00288	2021
12.	P.J.S. Babu, T.S. Padmanaban, **M.I. Ahamed**, A. Sivaranjani	Studies on copper indium selenide/Zinc sulphide semiconductor quantum dots for solar cell applications	Chalcogenide Letters, **(SCI Expanded)**	18, 11, pp. 701-715	https://chalcogen.ro/index.php/journals/chalcogenide-letters/11-cl/558-volume-18-number-11-november-2021	2021
13.	S. Senthilkumar Dr. V. Mohan Dr. S.P. Mangaiyarkarasi M. Karthikeyan	Analysis of single-diode PV model and optimized MPPT model for different environmental conditions	International Transactions on Electrical Energy Systems **(SCI Expanded)**	Accepted for publication	-	2021
14.	**M Irshad Ahamed**, Mansoor Ahamed, K. Sathish Kumar A. Sivaranjani	Comparative energy bandgap analysis of Zinc and Tin based Chalcogenide Quantum dots	Revista Mexicana de fisica **(SCI Expanded)**	Accepted for publication	-	2022