

Research Publications in Journals

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
1	Complexity and periodicity of daily mean temperature and dew-point across India	Rajdeep Ray, Mofazzal Hossain Khondekar, Koushik Ghosh, and Anup Kumar Bhattacharjee	ECE AEIE	Journal of Earth System Science	2019	Print ISSN 0253-4126; Online ISSN 0973-774X
2	Design of Master-Slave Coupling for Chaotic synchronization of Maps	A.K. Das and M. K. Mandal	AEIE	International Journal of Recent Technology and Engineering	2019	(ISSN:2277-3878)
3	Chaos-based Controlled System using Discrete Map	A.K. Das and M. K. Mandal	AEIE	Recent Advances in Computer Science and Communications	2019	ISSN (Print):2666-2558 ISSN (Online):2666-2566
4	Fractality and singularity in CME linear speed signal: Cycle 23”	Anirban Chattopadhyay, M. H. Khondekar, A. K. Bhattacharjee	ECE AEIE	Elsevier -Chaos, Solitons and Fractals	2018	0960-0779
5	Scaling analysis and model estimation of solar corona index	Samujjwal Ray, Rajdeep Ray, Mofazzal Hossain Khondekar, Koushik Ghosh	AEIE ECE AEIE	Advances in Space Research ; Elsevier	2018	0273-1177 / 1879-1948
6	On Robust Watermark Detection for Optimum Multichannel Compressive Transmission	Anirban Bose, Santi P. Maity	AEIE	Microsystem Technologies	2018	Electronic ISSN 1432-1858 Print ISSN 0946-7076
7	Voltammetric sensor for electrochemical determination of the floral origin of honey based on a zinc oxide nanoparticle modified carbon paste electrode	Kamalika Tiwari, Bipan Tudu, Rajib Bandyopadhyay, Anutosh Chatterjee, Panchanan Pramanik	AEIE	Journal of Sensors and Sensory Systems	2018	ISSN 2194-8771 eISSN 2194-878X
8	Fractality and singularity in CME linear speed signal: Cycle 23	Anirban Chattopadhyay, Mofazzal H. Khondekar, A. K. Bhattacharya	ECE AEIE	Chaos, Solitons and Fractals, Elsevier	2018	ISSN: 0960-0779

Research Publications in Journals

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
9	Scaling Analysis and Model estimation of Solar Corona Index	Samujjwal Ray, R.Ray, Mofazzal H. Khondekar, K. Ghosh	AEIE ECE AEIE	Advances in Space Research, Elsevier	2018	ISSN: 0273-1177
10	RGB Image encryption using microcontroller ATMEGA 32	A.K. Das, S. Hajra and M. K. Mandal	AEIE	<i>Microsystem Technologies</i>	2018	ISSN:0946-7076
11	Nonlinearity and chaos in wireless network traffic	Somenath Mukherjeea, Rajdeep Ray, Rajkumar Samanta, Mofazzal H. Khondekar, Goutam Sanyal	ECE IT AEIE	Chaos, Solitons and Fractals(Nonlinear Science, and Nonequilibrium and Complex Phenomena), Elsevier	2017	0960-0779 / 1873-2887
12	Dynamics of solar wind speed: Cycle 23	Tushnik Sarkar , Mofazzal H. Khondekar , Subrata Banerjee	AEIE	<u>Astrophysics and Space Science 357(2):128 · May 2015</u>	2017	ISSN : 0004-640X / 1572-946X
13	Stationarity and Periodicities of linear speed of Coronal Mass Ejection: A Statistical signal processing approach	Anirban. Chattopadhyay, Mofazzal H. Khondekar, A. K. Bhattacharya	AEIE	Astrophysics And Space Science, Springer	2017	0004-640X (Print) 1572-946X (Online)
14	Dynamics of Solar Wind Speed: Cycle 23	Tushnik. Sarkar, Mofazzal H. Khondekar, S. Banerjee	EE AEIE	Advances in Space Research, Elsevier	2017	ISSN : 0273-1177
15	Nonlinearity and Chaos in wireless network traffic	S. Mukherjee, Rajdeep . Ray, Raj kumar. Samanata, Mofazzal H. Khondekar, G. Sanyal	ECE CSE AEIE	Chaos, Solitons and Fractals, Elsevier	2017	0960-0779

Research Publications in Journals

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
16	Optimal sizing of CMOS analog circuits using gravitational search algorithm with particle swarm optimization	Soumen Mallick , R. Kar, D. Mandal and S. P. Ghoshal	AEIE	International Journal of Machine Learning. & Cybernetics, Springer	2017	1868-8071 (Print) 1868-808X (Online)
17	SEOA-based optimal design of analogue CMOS amplifier circuits	Soumen Mallick , R. Kar, S. P. Ghoshal and D. Mandal	AEIE	International Journal of Bio-Inspired Computation	2017	1758-0374 (Online) 1758-0366 (Print)
18	Spread Spectrum Watermark Detection on Degraded Compressed Sensing	Anirban Bose , Santi P. Maity	AEIE	IEEE Sensors Letters	2017	ISSN : 2475-1472
19	Development of metal oxide modified carbon paste based sensor for honey analysis using electronic tongue	Kamalika Tiwari , Bipan Tudu, Rajib Bandopadhyay, Panchanan Pramanik, Anutosh Chatterjee	AEIE	Journal of Materials Today: Proceedings Elsevier	2017	ISSN: 2214-7853
20	Spread spectrum image watermark detection on degraded compressed sensing measurements with distortion minimization	Anirban Bose , Santi P. Maity	AEIE	Multimedia Tools and Applications	2017	1380-7501 E-ISSN 1432-1882
21	Scaling and Nonlinear behaviour of daily mean temperature time series across India	R. Ray, Mofazzal H. Khondekar , K. Ghosh & A. K. Bhattacharjee	AEIE	Chaos, Solitons and Fractals, Elsevier	2016	ISSN NO: 0960-0779
22	Optimal sizing and design of CMOS analogue amplifier circuits using craziness-based particle swarm optimization	Soumen Mallick , R. Kar, S. P. Ghoshal and D. Mandal	AEIE	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, John Wiley & Sons	2016	1099-1204 (Online)

Research Publications in Journals

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
23	CMOS analogue amplifier circuits optimisation using hybrid backtracking search algorithm with differential evolution	Soumen Mallick , R. Kar, D. Mandal and S. P. Ghoshal	AEIE	Journal of Experimental & Theoretical Artificial Intelligence, Taylor & Francis	2016	0952-813X (Print) 1362-3079 (Online)
24	Efficient two phase heuristic routing technique for digital microfluidic biochip	Sarit Chakraborty, Susanta Chakraborty, Chandan Das , Parthasarathi Dasgupta	AEIE	IET Computer & Digital Techniques	2016	ISSN NO: 1751-8601
25	Memory persistency and nonlinearity in daily mean dew point across India	Rajdeep Ray , Mofazzal H. Khondekar , K. Ghosh & A. K. Bhattacharjee	ECE AEIE	Theoretical and Applied Climatology, Springer	2015	0177-798X (Print) 1434-4483 (Online)
26	Chaos and periodicity in solar wind speed: cycle 23	T. Sarkar, Rajdeep. Ray , Mofazzal H. Khondekar , S. Banerjee	ECE AEIE	Astrophysics And Space Science, Springer	2015	0004-640X (Print) 1572-946X (Online)
27	Complexity in Solar Irradiance from Earth Radiation Budget Satellite (ERBS)	Mofazzal H. Khondekar , D.N.Ghosh , K.Ghosh, A. K. Bhattacharjee	AEIE CSE	IEEE Systems Journal	2015	1932-8184