

LIST OF PAPERS PUBLISHED in 2017

Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	Ganguly Bhattacharjee K .	Photography, an Important Tool for Qualitative Analysis of Estrogen Receptor and Progesterone Receptor Number which have Prognostic Importance in Breast Cancer.	11 th International Conference, IPC2017. PP 94-101.	Conference	International	ISBN (13) 978-81- 923360-0-4.

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Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	Bag S, Ganguly K & Biswas B K	Structural Characterization of Nanocrystalline Hydroxyapatite produced from Waste Egg-Shell.	<i>Trends in Biomat. & Artf. Org.</i> , vol-30(1), pp 41-45, 2016.	Journal	International	0971-1198
2	Bag S & Biswas B K	Review on Bioactive Ceramic Coating.	<i>International Journal of Pharma and Biosciences</i> , Vol - 7(2), 2016, pp. 117-128.	Journal	International	0975-6299
3	Talukdar P, Bag S & Bhattacharjee S	Design and Development of a Passive Knee Ankle Foot Orthosis.	International Journal of Biomedical Engineering. Vol-2(2), pp 7-12, 2016.	Journal	International	978-8-1929-9982-1
4	Ganguly Bhattacharjee K , Sinha AK	Insulin Induced Down Regulation of the Progesterone Receptor Number in Neutrophils in the Synthesis of Maspin in Breast Cancer	J Cancer Prev Curr Res. DOI: 10.15406/jcpcr.2016.04.00136. 4(5) 00136:01-06.	Journal	International	ISSN 2373-6330
5	Ganguly Bhattacharjee K , Manna N	Extraction of Fundamental Frequency of Human Voice by Autocorrelation Technique.	Innovative Systems Design and Engineering. 7(4):23-28, 2016	Journal	International	ISSN 2222-1727 (Print) ISSN 2222-2871 (Online).
6	Das S. and Sikdar S	A Review on the Non-conventional Energy Sources in Indian Perspective, -	International Research Journal of Engineering and Technology, Vol. 3(2), pp. 403-409, 2016	Journal	International	(p ISSN No: 2395-0056, e-ISSN: 2395-0072; Impact Factor -4.45).
7	S Patra, P Basak, DN Tibarewala	Synthesis of gelatin nano/submicron particles by binary nonsolvent aided coacervation (BNAC) method.	Materials Science and Engineering: C 59, 310-318	Journal	International	0928-4931
8	A Khasnobish, A Konar, DN Tibarewala, AK Nagar:	Bypassing the Natural Visual-Motor Pathway to Execute Complex Movement Related Tasks Using Interval	IEEE EXPLORE	Journal	International	

		Type-2 Fuzzy Sets				
9	A Ray, SK Nayak, B Champaty, DN Tibarewala, K Pal	Non-Linear Analysis of Heart Rate Variability and ECG Signal Features of Swimmers from NIT-Rourkela: A Case Study.	Computational Tools and Techniques for Biomedical Signal Processing, 56-75	Book Chapter	International	978-1-5225-0660-7
10	A Khasnobish, M Pal, DN Tibarewala, A Konar, K Pal	Texture-and deformability-based surface recognition by tactile image analysis.	Medical & biological engineering & computing, 1-15.	Journal	International	1741-0444
11	S Bhaduri, A Khasnobish, R Bose, DN Tibarewala	Classification of lower limb motor imagery using K Nearest Neighbor and Naïve-Bayesian classifier.	Recent Advances in Information Technology (RAIT), 2016	Conference	International	978-1-4799-8579-1
12	S Paul, A Banerjee, R Ghoshal, DN Tibarewala	Development of ultrasonic tachography system for gait analysis.	International Journal of Biomedical Engineering and Technology 20 (1), 66-95.	Journal	International	1752-6418 (Print) 1752-6426 (Online)
13	B Champaty, DN Tibarewala, B Mohapatra, K Pal	Development of EOG and EMG-Based Multimodal Assistive Systems.	Medical Imaging in Clinical Applications, 285-310.	Book Chapter	International	978-3-3193-3791-3
14	A Khasnobish, M Pal, D Sardar, DN Tibarewala, A Konar:	Vibrotactile feedback for conveying object shape information as perceived by artificial sensing of robotic arm..	Cognitive Neurodynamics, 1-12	Journal	International	1871-4080 (Print) 1871-4099 (Online)
15	A Rakshit, A Banerjee, DN Tibarewala:	Electro-oculogram based digit recognition to design assistive communication system for speech disabled patients.	Microelectronics, Computing and Communications (MicroCom), 2016	Conference	International	
16	M Dutta et al	A Software Based Approach to Acquisition and Analysis of BioSignals using CSAP	IEEE XPlore Digital Library	Conference	International	978-1-5090-1666-2
17	M Dutta et al	A Study on Data Acquisition and	Lecture Notes in Networks and	Springer Book Chapter	International	978-981-10-3952-2

		Analysis in Real Time for Prediction of Cardiovascular Diseases in Real Time using indigenous Low Cost CHMS	Systems			
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LIST OF PAPERS PUBLISHED in 2015

Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	Ganguly Bhattacharjee K , Manna N, Sheikh FT	A Statistical Approach to Study Pitch Variation for Prediction of Voice Disorder.	<i>International Journal of Engineering and Advanced Technology Studies</i> ..3(3):32-42, 2015	Journal	International	ISSN (Print) 2053-5783. ISSN (Online) 2053-5791
2	Ganguly Bhattacharjee K , Manna N, Bhattacharya S, Mallick B	ECG Signal Acquisition System for Remote Healthcare Service with Telemetric Capability	<i>Innovative System Design and Engineering</i> . 6(5):10-17, 2015	Journal	International	ISSN (Print) 2222-1727. ISSN (Online) 2222-2871.
3	Dey A, Pal A, Mukherjee A and Ganguly Bhattacharjee K	An Approach for Identification Using Knuckle and Fingerprint Biometrics Employing Wavelet Based Image Fusion and SIFT Feature Detection.	<i>Lecture Notes in Bioengineering</i> . PP 149-159, 2015	Book Chapter	International	ISBN 978-81-322-2255-2. ISBN 978-81-322-2255-9(For eBook)
4	Sur M, Biswas I, and Das S	A Low-Cost and Portable Model of Emotional Stress Indicator for Health Care System.	Proceedings of 6th All India Inter Engineering College Academic Meet – 2015 & Science & Technology Exhibition for a Sustainable Society	Conference	National	
5	Kar S. Mukherjee A, and Das S	A Low-cost and noninvasive model of apnea detection for patient care Monitoring.	Proceedings of 6th All India Inter Engineering College Academic Meet – 2015 & Science & Technology Exhibition for a Sustainable Society	Conference	National	
6	M Dutta et. Al.	Reliable, Real-Time, Low Cost Cardiac Health Monitoring System for affordable Patient Care	Lecture Notes in BioEngineering', Springer book Series, 2015.	Book chapter	International	ISBN 978-81-322-2255-2. ISBN 978-81-322-2255-9(For eBook)
7	S Bhattacharyya, D Basu, A Konar, DN	Interval type-2 fuzzy logic based multiclass ANFIS algorithm for real-	Robotics and Autonomous Systems 68, 104-115, 2015	Journal	International	0921-8890

	Tibarewala	time EEG based movement control of a robot arm.				
8	S Bhattacharyya, M Pal, A Konar, DN Tibarewala	An interval type-2 fuzzy approach for real-time EEG-based control of wrist and finger movement.	Biomedical Signal Processing and Control 21, 90-98	Journal	International	1746-8094
9	S Dey, R Bhimani, A Mazumdar, P Ghosh, DN Tibarewala	Multifractal Detrended Fluctuation Analysis used to analyse EEG signals originating from different lobes of Brain.	Recent Trends in Information Systems (ReTIS), 2015.	Conference	International	978-1-4799-8350-6
10	P Ghosh, A Mazumder, S Bhattacharyya, DN Tibarewala, M Hayashibe	Functional connectivity analysis of motor imagery EEG signal for brain-computer interfacing application.	7th International IEEE/EMBS Conference on Neural Engineering (NER), 210-213.	Conference	International	978-1-4673-6387-7.
11	A Mazumder, A Rakshit, DN Tibarewala	A back-propagation through time based recurrent neural network approach for classification of cognitive EEG states.	Engineering and Technology (ICETECH), 2015 IEEE International Conference on, 1-5.	Conference	International	978-1-4799-1855-3
12	Anwasha Banerjee, Monalisa Pal, DN Tibarewala, Amit Konar	Electrooculogram based blink detection to limit the risk of eye dystonia.	Advances in Pattern Recognition (ICAPR), 2015, 1-6.	Conference	International	978-1-4799-7459-7

LIST OF PAPERS PUBLISHED in 2014

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1	Bag S & Pal S	Design and Fabrication of Polymer-Ceramic Composite Hip Prosthesis.	<i>International Journal of Pharma and Biosciences</i> , Vol - 5(3), 2014, pp. 132-137.	Journal	International	0975-6299
2.	Biswas B K, Pal S & Bag S (2014):.	Clinical Efficacy of an Indigenously Developed Tissue Expander.	<i>International Journal of Engineering Science & Research Technology</i> , Vol - 3(4), 2014, pp. 4080-4084.	Journal	International	2277-9655
3	Ganguly Bhattacharjee K , Bhattacharyya M, Halder UC, Jana P, Sinha AK	The role of progesterone receptor status on maspin synthesis via nitric oxide production in neutrophils in human breast cancer.	<i>Breast Cancer..</i> 21:605-613, 2014	Journal	International	1340-6868
4	Ganguly Bhattacharjee K	Significance of Photography in Breast Cancer.	1 ^{0th} International Conference (IPC2014). 10: PP 22-28.	Conference	International	978-0-7918-4613-1
5	Das S.	Simple and cost-effective heart rate meter using PIC microcontroller	<i>International Journal of Engineering Sciences & Research</i> , Vol. 3(4), pp. 3036-3042, 2014.	Journal	International	2277-9655 Impact Factor-3.785
6	Das S and Tibarewala D N.	Stance stability analysis of below fifty years age post-stroke hemiplegic patients by stabilometric method,	<i>Reason- A Technical Journal</i> , Vol. 13, pp. 9-20, 2014.	Journal	National	2277-1654
7	S Bhattacharyya, A Sengupta, T Chakraborti, A Konar, DN Tibarewala	Automatic feature selection of motor imagery EEG signals using differential evolution and learning automata.	<i>Medical & biological engineering & computing</i> 52 (2), 131-139.	Journal	International	1741-0444
8	S Bhattacharyya, A Konar, DN Tibarewala	Motor imagery, P300 and error-related EEG-based robot arm movement control for rehabilitation purpose.	<i>Medical & biological engineering & computing</i> 52 (12), 1007-1017.	Journal	International	1741-0444

9	S Bhattacharyya, A Konar, DN Tibarewala	A differential evolution based energy trajectory planner for artificial limb control using motor imagery EEG signal.	Biomedical Signal Processing and Control 11, 107-113.	Journal	International	1746-8094
10	A Khasnobish, G Singh, A Jati, A Konar, DN Tibarewala	Object-shape recognition and 3D reconstruction from tactile sensor images	Medical & biological engineering & computing 52 (4), 353-362	Journal	International	1741-0444
11	M Pal, A Khasnobish, A Konar, DN Tibarewala, R Janarthanan	Performance enhancement of object shape classification by coupling tactile sensing with EEG	Electronics, Communication and Instrumentation (ICECI), 2014	Conference	International	978-1-4799-5345-5
12	S Datta, A Khasnobish, A Konar, DN Tibarewala, AK Nagar	EEG based artificial learning of motor coordination for visually inspired task using neural networks.	International Joint Conference on Neural Networks (IJCNN), 3371-3378. 2014	Conference	International	
13	B Champaty, BK Biswal, K Pal, DN Tibarewala	Random forests based sub-vocal electromyogram signal acquisition and classification for rehabilitative applications.	Automation, Control, Energy and Systems (ACES), 2014	Conference	International	
14	A Banerjee, S Datta, A Konar, DN Tibarewala, J Ramadoss	Cognitive activity recognition based on electrooculogram analysis.	Advanced Computing, Networking and Informatics-Volume 1, 637-644.	Conference	International	

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1	Biswas B K, Bag S & Pal S	Biomechanical analysis of normal and implanted tooth using biting force measurement.	International Journal of Engineering and Applied Science, Vol - 4 (2), pp. 17-23, 2013.	Journal	International	2305-8269
2	Bag S, Biswas B K & Pal S	Modification of Root of Dental Implant Surface using Various Surface Treatment for Enhancement of Fixation in the Jaw Bone.	<i>Indian Journal of Biomechanics</i> , Vol - 4 (1), pp. 70-76, 2013.	Journal	National	0974-0783
3	Bag S, Pal S, Biswas B K & Chakraborty S N	Tissue Attachment on Hydroxiapatite Coated Polymer-Ceramic Composite Implant.	<i>International Journal of Pharma and Biosciences</i> , Vol - 4(3), pp. 816-822, 2013.	Journal	International	0975-6299
4	Ganguly Bhattacharjee K and Nilotpal Manna	Temperature Monitoring System – An Embedded Approach	International Conference on Computation and Communication Advancement (IC3A-2013), pp. 400-403, 2013	Conference	International	ISBN (13) 978-1-25- 906393-0.
5	Ganguly Bhattacharjee K and Sinha AK	Insulin Induced Down Regulation of the Estrogen Receptor Number in Neutrophils in the Synthesis of Maspin in Breast Cancer.	Indian Science Congress, Centenary Session. PP 399- 400.	Conference	National	
6	M Dutta et al.	Design of A Low Cost Physiological Parameter Monitoring System in Real Time	Proceedings for the AICTE Sponsored National Conference on Control, Communication & Device Electronics N3CD 2013	Conference	National	
7	Das S	Development of a respiration rate meter-a low-cost design approach,	Health Informatics- An International Journal, pp. 9-16, Vol. 2(2), 2013.	Journal	International	2319-2046 (Online); 2319-3190 (Print)]

8	Das S	Characterization of postural steadiness of post-stroke hemiplegic patients by force platform data analysis	VIVECHAN International Journal of Research, pp. 108-117, Vol. 4, 2013.	Journal	International	0976-8211
9	Das S	Static postural steadiness analysis of post-stroke hemiplegic patients using force plate	Indian Journal of Biomechanics, pp. 39-46, Vol. 4(1), Issue 1, 2013.	Journal	National	0974-0783
10	Roy K, Ghosh G and Das S	The development of a low-cost galvanic skin response meter	Academic Meet 2013, organized by FOSET	Conference	National	
11	A Banerjee, S Datta, M Pal, A Konar, DN Tibarewala, R Janarthanan	Classifying electrooculogram to detect directional eye movements.	Procedia Technology 10, 67-75.	Journal	International	2212-0173
12	B Champaty, S Bhandari, K Pal, DN Tibarewala	Artificial Intelligence Based Classification of Menstrual Phases in Amenorrheic Young Females from ECG Signals	India Conference (INDICON), 2013 Annual IEEE, 1-6	Conference	International	
13	S Satapathy, B Champaty, K Pal, SS Ray, DN Tibarewala	Development of a Low Cost Device to Detect Blood Backflow in Catheters.	India Conference (INDICON), Annual IEEE 2013, 1-4.	Conference	International	
14	S Bhattacharyya, P Rakshit, A Konar, DN Tibarewala, R Janarthanan	Feature selection of motor imagery EEG signals using firefly temporal difference Q-Learning and support vector machine	International Conference on Swarm, Evolutionary, and Memetic Computing, 534-545.	Conference	International	

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1	Ganguly Bhattacharjee K, Bhattacharyya M, Halder UC, Jana P, Sinha AK	The role of neutrophil estrogen receptor status on maspin synthesis via nitric oxide production in human breast cancer.	J Breast Cancer. 15(2):181-8, 2012	Journal	International	1738-6756 (Print) 2092-9900 (Online)
2	Ganguly Bhattacharjee K, Bhattacharyya M, Halder UC, Jana P, Sinha AK	The “Cross Talk” between the Receptors of Insulin, Estrogen and Progesterone in Neutrophils in the Synthesis of Maspin through Nitric Oxide in Breast Cancer	Int J Biomed Sci. 8(2): 129-139, 2012	Journal	International	1555-2810 (Print) 1550-9702 (Online)
3	Ganguly Bhattacharjee K, Bhattacharyya M, Halder UC, Jana P, Sinha AK	The role of progesterone receptor status on maspin synthesis via nitric oxide production in neutrophils in human breast cancer.	Breast Cancer. DOI 10.1007/s12282-012- 0422-6	Journal	International	1340-6868.
4	M Dutta & S Dutta	Real Time Monitoring of Physiological Signals through Smart Mobile Devices for Continuous Patient-care	Proceedings of ICCM 2012, Gold Coast Australia	Conference	International	
5	M Dutta & S Dutta	Design and development of a Low Cost Hearing aid for Aural rehabilitation	Proceedings for the National Conference on Paradigm Shift in Education Technology Content Management 2nd - 3rd March 2012, Techno India College Kolkata.	Conference	National	
6	M Dutta & S Dutta	Analysis of Myoelectric Signals for below Elbow Amputation for the development of a Prosthetic	Journal of Chemical Biological and Physical Sciences Nov.2011-Jan.2012. Vol.2.No.1, 350-358	Journal	International	2249-1929

		Arm				
7	Bhaumik AJ, Banik P, Saha A, Ghosh D and Das S.	The design of a microcontroller based low-cost heart rate counter for health care systems	Proceedings of Academic Meet 2012, , organized by Forum of Scientists, Engineers and Technologists March 30-31, 2012	Conference	National	
8	Dutta S, Kundu RR and Souvik Das	The design of a low-cost respiration rate meter based on infrared sensing	Proceedings of Academic Meet 2012,	Conference	National	
9	Burman S, Kundu S and Das S	The design of a low-cost emotional stress meter	Proceedings of Academic Meet 2012,	Conference	National	
10	A Banerjee, A Konar, DN Tibarewala, R Janarthanan	Detecting eye movement direction from stimulated Electro-oculogram by intelligent algorithms.	Proceedings of Computing Communication & Networking Technologies (ICCCNT), 2012.	Conference	International	978-1-4799-2697-8
11	S Ghosal, R Darbar, B Neogi, A Das, DN Tibarewala	Application of swarm intelligence computation techniques in pid controller tuning: A review.	Proceedings of the International Conference on Information Systems Design. 2012.	Conference	International	978-3-6422-7442-8
12	G Singh, A Khasnobish, A Jati, S Bhattacharyya, A Konar, DN Tibarewala	Object-shape classification and reconstruction from tactile images using image gradient.	Emerging Applications of Information Technology (EAIT), 2012	Conference	International	978-1-4673-2647-6
13	R Roy, A Konar, DN Tibarewala	EEG driven artificial limb control using state feedback PI controller.	Electrical, Electronics and Computer Science (SCEECS), 2012	Conference	International	