

Prof. (Dr.) Ankur Ganguly*Dean Academics & i/c Dean – Engineering & Technology**The Assam Royal Global University**Guwahati, Assam, India**www.rgu.ac**Mobile: +91- 8697727463**Email: anksjc2002@yahoo.com, aganguly@rgu.ac***Education****PhD (Engineering), 2011**, Jadavpur University, West Bengal, India

Dissertation Title: Characterization of HRV among the population of Northern hilly region of West Bengal

Master of Technology (M. Tech), 2002, Manipal Institute of Technology, MAHE, Deemed University, specialization: Bio-Medical Engineering

Dissertation Title: DICOM in Ultrasound

Bachelor of Engineering (B.E), 2000, : Electrical & Electronics Engineering (EEE), K V G College of Engineering, Mangalore University

Dissertation Title: Fabrication of half controlled bridge rectifier with thyristor in asymmetrical configuration

Academic Experience

01.08.2022 – Till date

Dean – Academics & In-Charge Dean Engineering, Royal Global University, NH-37, opp. Tirupati Balaji Temple, Betkuchi, Guwahati, Assam 781035, India. www.rgu.ac

01.01.2022 – 27.07.2022

Assistant Director – Techno India Group - Block - DG 1/1, Action Area 1, New Town, Rajarhat, Kolkata – 700156, India**Professor** – Electrical Engineering Department - Techno International New Town, Block - DG 1/1, Action Area 1, New Town, Rajarhat, Kolkata – 700156, India

01.07.2020 – 31.12.2021

Principal, Meghnad Saha Institute of Technology, Nazirabad Rd, Uchhepota, Kolkata, West Bengal 700150

19.08.2014 – 30.06.2020

Principal, Techno International - Batanagar, Techno India Group, Maheshtala, Kolkata – 700141, West Bengal, India

01.08.2013 – 15.08.2014	Principal & Head of the Department – Applied Electronics & Instrumentation Engineering, Siliguri Institute of Technology, Techno India Group, Siliguri, West Bengal, India	
15.03.2013 – 31.07.2013	Principal & Head of the Department – Applied Electronics & Instrumentation Engineering, Siliguri Institute of Technology, Techno India Group, Siliguri, West Bengal, India	
01.12.2012 – 14.03.2013	Coordinator – Student Affairs (Academic & Non-Academic), Assistant Professor & Head of the Department – Applied Electronics & Instrumentation Engineering, Siliguri Institute of Technology, Techno India Group, Siliguri, West Bengal, India	
01.07.2010 – 30.11.2012	Assistant Professor (6th Pay) & Head of the Department – Applied Electronics & Instrumentation Engineering, Siliguri Institute of Technology, Techno India Group, Siliguri, West Bengal, India	
01.01.2010 – 30.06.2010	Assistant Professor (5th Pay) & Head of the Department – Applied Electronics & Instrumentation Engineering, Siliguri Institute of Technology, Techno India Group, Siliguri, West Bengal, India	
01.02.2008 – 31.12.2009	Senior Lecturer & Head of the Department – Biomedical Engineering, Siliguri Institute of Technology, Techno India Group, Siliguri, West Bengal, India	
03.03.2004 – 31.01.2008	Lecturer & Head of the Department – Biomedical Engineering, Siliguri Institute of Technology, Techno India Group, Siliguri, West Bengal, India	
13.09.2002 – 08.01.2004	Lecturer , Department of Electronics & Communication Engineering, K V G College of Engineering, Sullia (D.K), Karnataka	
Industrial Experience		
01.08.2001 - 22.03.2002	Project Assistant , Embedded Systems, Larsen & Toubro, Mysore, Karnataka	
Publications (Refer Appendix I for details)		
Papers	International Journal	33
	National Journal	3
	International Conference	20
	National Conference	15
Patents	6 (Published)	
Book Chapters	3	
Technical Articles	5	

Invited Talk	Heart Rate Variability analysis using Power Law Slope among Healthy Male and Female Population, 1st National Conference on Research Trends in Computer Science & Application, 8th February 2014, Siliguri Institute of Technology, Siliguri, West Bengal, India, Technically sponsored by IEEE & CSI, Proceedings (ISBN 978-93-82338-95-6), Pg- 9-10, 2014
Seminar Talk	Chatterjee S., Ganguly A. and Tibarewala D.N., “Characterization and Comparison of HRV parameters of the Tea Garden Workers of Northern Hilly Regions of West Bengal on the basis of Age and Gender by Poincare Plot Analysis”, Proceedings of National Seminar on Mathematical Modeling of Natural Phenomena, Indian Society of Nonlinear Analysts, Bose Institute, Kolkata, West Bengal, India, October 29, 2010.

Special Recognitions (Awards & Honors’)

- **Certificate of Recognition** – Sir C.V Raman Technology Enthusiast for outstanding contribution to the Academic Achievement & Personal Growth of the students of the Institute, Awarded by All India Eminent Faculty Council of Engineering, Management & Technology on 21st November 2021.
- **Certificate of Honor**, on National Education Day 2021, for validating and dedicated commitment for Promoting of Education & Research, awarded by Nikhil Bharat Siksha Parisad, Registered & Licensed Organization under Ministry of Corporate Affairs, Govt. of India, Under Section -8, CIN: U80904WB2020NPL242060, 11th November 2021.
- **Awarded Fellow** (EID: NBSPIN32A), Nikhil Bharat Siksha Parisad, Registered & Licensed Organization under Ministry of Corporate Affairs, Govt. of India, Under Section -8, CIN: U80904WB2020NPL242060, 16th January 2021
- **Honorary Member, Board of Studies**, All India Eminent Faculty Council of Engineering, Management & Technology, Membership id: BOS/KOL/WB/0042, dated 25th November 2020.
- **Session Chairman, International Conference on Energy Systems, Drives and Automations (ESDA2019)**, 28th & 29th December 2019 At Hotel Celesta, VIP Road, Kolkata-700059, organized by Applied Computer Technology, Kolkata, India
- **Session Chairman, International Conference on Impact of Changing Energy Mix in Power Sector (ICIEMPS -2019)**, 23rd & 24th November 2019, Lalit Great Eastern, Kolkata, India organized by The Institute of Engineers (India), West Bengal State Center – Electrical Engineering Division.
- **Convener – Board of Studies** (Biomedical Engineering) - Maulana Abul Kalam Azad University of Technology, West Bengal
- **Ex-Officio Member, “Sexual Harassment of Women at Workplace”**, Board of Practical Training (Eastern Region), MHRD, Govt. of India (Vide order no. BOPT/C/Admin-155/Conduct/78/07 dated 16.04.2015)
- **Session Chair, Micro-2019: 6th International Conference on Microelectronics, Circuits & Systems: July 6&7, 2019**, Amity University, Kolkata, India

- **Received an award of Rs. 4000** for the project proposal Low-Cost Electric Lantern for Rural Home/Community Lighting Application Using Hybrid Chargers to Services to Community & Economy Activities, under TEQIP, TEQIP Cell, Jadavpur University, Kolkata. 31st March 2009.
- **Best Paper Award** at National Conference on Electronics, Communication, Sensing and Signal processing (ECSS 12) for the paper "Transmission, Retrieval and Digital Processing of an Analog Signal Isolated Source by Incorporating Zig-Bee Technology Framework" (Paper ID: ECSS 270), Rajorshi Sarkar, Subhojit Sarker, Ankur Ganguly and D.N. Tibarewala, 2nd November 2012, Surendra Institute of Engineering & Management, Siliguri, West Bengal.
- **Award of Honour** as Session Chairman at 2nd International Conference on Biomedical Engineering & Assistive Technologies (BEATS 2012), 6th & 7th December 2012, Dr. B R Ambedkar National Institute of Technology, Jalandhar, India
- **Best Technical Session Paper Award** at 2nd International Conference on Biomedical Engineering & Assistive Technologies (BEATS 2012), 6th & 7th December 2012, Dr. B R Ambedkar National Institute of Technology, Jalandhar, India, for the paper Artificial Neural Network based pattern recognition approach to study the consequence of audiovisual stimulus on Autonomic Nervous System in Females explored through Heart Rate Variability, Ankur Ganguly, Subhojit Sarker and D.N. Tibarewala, 6th & 7th December 2012, Dr. B R Ambedkar National Institute of Technology, Jalandhar, India

Reviewer of International Journal

- Journal of Power Technologies
- IEEE Transactions on Human-Machine Systems
- AR Research Publication & Conference World
- Biomedical Signal Processing and Control
- Inderscience Publications

Projects Submitted & Consultancy

- Development of a Cheaper X-Ray Fluorescence Spectrometer for R&D – DST - 2017
- Study of Electrical Installation of the Hospital & Suggesting Remedial Measures of Improvement – The Woodlands Super Specialty Hospital – Kolkata, WB

Membership of Professional Bodies

1. Fellow (No: F- 123241), The Institute of Engineers (India)
2. Fellow (No. F 237373), The Institute of Electronics & Telecommunication Engineers (IETE), 2015
3. Fellow (EID: NBSPIN32A), Nikhil Bharat Siksha Parisad, 2021
4. Senior Member (92432849), Institute of Electrical & Electronics Engineers (IEEE), USA
5. Nominee Member (F8001227), Computer Society of India (CSI)
6. Life Member (LM-74078), Indian Society for Technical Education (ISTE), 2010
7. Life Member (N-227), Biomechanics Society of India (BSI), India
8. Honorary Member, All India Eminent Faculty Council of Engineering, Management & Technology, Membership id: HM/KOL/WB/026, Dated: 26th November 2020.

9. Member of Forum of Scientists, Engineers and Technologists (FOSET)

Member of Advisory Committee

1. *Chief Advisor*, 5th National Conference on Business Innovation, Economics & Management (BIEM-2013)", Siliguri Institute of Technology, Siliguri, W.B., 16th -17th November 2013
2. *Convener*, National Seminar on Instrumentation –The Future, 26th August 2012, Siliguri Institute of Technology, Siliguri, W.B.
3. *Associate*, National Workshop – Autonova, 13th -14th April, 2012, Siliguri Institute of Technology, Siliguri in association with IIT – Kanpur
4. *Program Advisor*, National Seminar on Changing Scenario in Hospitality Industry in Indian Perspective, 6th & 7th March, 2008, Siliguri Institute of Technology, Siliguri
5. *Associate secretary*, National Conference on Non-conventional Energy Technology & its Impact on Conventional Power System, 28th – 29th April, 2007, Siliguri Institute of Technology, Siliguri
6. *Associate secretary*, AICTE Sponsored Staff Development Program (SDP) on Application of Microprocessor, Microcontroller & Digital Signal Processors in Electrical Engineering, 16th – 28th April, 2007, Siliguri Institute of Technology, Siliguri
7. *Coordinator*, AICTE sponsored Staff development Program (SDP) on Bioinstrumentation, held during 1st -14th March 2007, Siliguri Institute of Technology, Siliguri

Participation in Academic Work of External Bodies

1. **Member of the PhD Committee on Biomedical Engineering**, Maulana Abul Kalam Azad University of Technology, since 02.09.2021
2. **Convener – Board of Studies (BOS)** - on Biomedical Engineering, Maulana Abul Kalam Azad University of Technology, since 16.05.20219
3. **External Examiner**, M.E examination, Jadavpur University, Since 2010
4. **Expert for faculty selection of Techno India Group Colleges & Sister Nivedita University**
5. **Observer for West Bengal Joint Entrance Examination Board** to Raigunj Polytechnic College, Raigunj, W.B, 22.05.2011
6. **University Station Supervisor (USS) for West Bengal University of Technology 2007 - 2011**
7. **Head Examiner of Bio-Medical Engineering**, West Bengal University of Technology (WBUT), 2004-2012:
8. **Paper setter** of various subjects of West Bengal University of Technology (WBUT) since 2004
9. **Examiner**, West Bengal University of Technology (WBUT) since 2004
10. **Paper setter**, VTU, Karnataka, 2002-2003

Courses Taught	
Power Plant Instrumentation, Industrial Automation & Control, Power Electronics, Sensors and Transducers , Electrical and Electronic Measurements, Basic electronics, Thermal engineering, Heat power engineering, Network analysis, Analog communication, Digital communication, Transducers and Instrumentation, Biomedical Image processing, Modeling of Physiological Systems, Bioinformatics, Biophysical signals and systems, Biophysics, Biomechanics, Bioinstrumentation, Hospital Engineering & Information Systems, Biomedical signal processing, Biological Control Systems	
Research Interest	
Power electronics applications, application of high frequency converter, energy efficient devices, energy efficient drives, Heart Rate Variability Analysis, Biomedical Engineering	
Thesis Supervised	
Ph. D. Thesis Supervised	1. Subhojit Sarker - "On Application of Non-Linear Techniques in the Analysis of Heart Rate Variability (HRV)", Jadavpur University, Awarded 2015
	2. Alok Kumar Shrivastav - "Power Quality Estimation & Mitigation Of Disturbance In Distribution Systems", Electrical Engineering Department, Indian School of Mines, Dhanbad. IIT (ISM) Dhanbad , Awarded 2019
Ph. D. Thesis Work in Progress	3. Bidrohi Bhattacharjee - "Solar Photovoltaic Integrated Drives for Future Generation", Department of Electrical Engineering, (Registration w.e.f 09.11.2016)- IIT (ISM) Dhanbad
	4. Suman Kumar Laha - "Modified Control Strategies of Solar Photovoltaic Integrated Drives", , Department of Electrical Engineering, (Registration w.e.f 09.11.2016)- IIT (ISM) Dhanbad
M.E. Thesis Supervised	1. "Design Of ECG Amplifier Using AD620 And Parameter Extraction Using VLSI Techniques" under WBUT, West Bengal, 2010
	2. "Effect Of Emotional Audio-Visual Stimulus On Autonomic Nervous System In Young Females "under Jadavpur University, West Bengal, 2011
B.E./B.Tech Project	33+ different projects are supervised on different areas

Faculty Development Programme/Short Term Courses Attended
1. DS0101EN: Introduction to Data Science conducted by edex and IBM
2. HRD through Training and Development: organized by NITTTTR Kolkata from 27/04/2020 to 01/05/2020
3. NPTEL - AICTE Online Faculty Development Programme (8 weeks) on Accreditation and Outcome Based Learning , August - October 2019 (Qualified with Elite Silver – 84%)
4. QIP Short Term Course on Fuzzy Logic with Applications (STCFLA – 2017), March 20-25, 2017, Department of Mathematical Sciences , Indian Institute of Technology, (Banaras Hindu University), Varanasi – 221 005, India
5. One Day Course on Research Methodology , 30 th July 2016, Organized by Computer Society of India, Kolkata Chapter, Kolkata, India
6. AICTE Sponsored Staff Development Programme on Advancement of Modern Communication & Integrated Circuit Technology , 2 nd – 16 th July 2007, organized by Department of Electronics & Communication Engineering, Siliguri Institute of Technology, Siliguri, West Bengal, India
7. AICTE Sponsored Staff Development Programme on Application of Microprocessor, Microcontroller & DSP in Electrical Engineering , 16 th – 28 th July 2007, organized by Department of Electrical Engineering, Siliguri Institute of Technology, Siliguri, West Bengal, India
8. Training Programme on Internal Audit (for ISO 9001:2000) , 11 th & 12 th July 2003, organized by Stellar Management Consultants Pvt. Ltd, Bangalore
Participation in Conference/Seminar/Workshops
<ul style="list-style-type: none"> Participated, National Conference on Electrical, Electronics, and Computer Engineering - IEEE CALCON 2014, November 7-8, 2014, Hotel Park Prime Kolkata
<ul style="list-style-type: none"> Participated, National Seminar on Effect of Non-Linear Dynamics & Chaos in the field of Electrical Engineering, 4th August 2012, Siliguri Institute of Technology, Siliguri
<ul style="list-style-type: none"> Participated in Seminar on Prospect of retail business in India, Siliguri Institute of Technology, Siliguri, 14th -15th March, 2008
<ul style="list-style-type: none"> Participated in Seminar on New Generation Wireless Antennas, Siliguri Institute of Technology, Siliguri, 24th March, 2008
<ul style="list-style-type: none"> Participated in Seminar on Artificial Intelligence based approaches to Document analysis and Recognition, Siliguri Institute of Technology, Siliguri, 25th March, 2008

<ul style="list-style-type: none"> Participated in National Seminar on “Renewable Energy Sources and Energy Management”, Siliguri Institute of Technology, Siliguri, 11th April, 2008
<ul style="list-style-type: none"> Participated in National Seminar on “Recent Trends in Integrated Circuits and Communication Technology”, Siliguri Institute of Technology, Siliguri, 29th & 30th August, 2008
<ul style="list-style-type: none"> Participated, AICTE sponsored National Seminar on Hydrogen technology & Renewable energy for Green Environment, 16th -17th April, 2007, Siliguri Institute of Technology, Siliguri
<ul style="list-style-type: none"> Participated, National Workshop on Astronomy for Engineers, 6th -7th September, 2006,
<ul style="list-style-type: none"> Master of Ceremony for the National Conference SATITAS 2003 in K.V.G College of
<ul style="list-style-type: none"> Member, National Conference SATITAS-2003, K.V.G College of Engineering.

Web of Science Researcher ID: V-4942-2019

Scopus Author ID: 57040573800

ORCID: 0000-0002-1893-6478

Vidwan Id: 275143

<https://www.linkedin.com/in/prof-dr-ankur-ganguly-451061121/>

<https://scholar.google.co.in/citations?user=3bIH4AAAAAJ&hl=en>

Prof. (Dr.) Ankur Ganguly

Place: Kolkata

APPENDIX - I
Publication Details
(Updated July 2022)

<i>Publications</i>							
<i>International</i>		<i>National</i>		<i>Patents</i>		<i>Books Chapters</i>	<i>Total</i>
<i>Journal</i>	<i>Conference</i>	<i>Journal</i>	<i>Conference</i>	<i>Published</i>	<i>Applied</i>		
33	21	3	15	6	0	3	81

a. Journal:

a.i. International: (33)

Published:

2022: (2)

1. Subhash Mondal, Suharta Banerjee, Subinoy Mukherjee, **Ankur Ganguly**, Diganta Sengupta, "**Deep Classifier for Conjunctivitis – A Three-Fold Binary Approach**", International Journal of Mathematical Sciences and Computing (IJMSC), Vol.8, No.2, pp. 46-54, 2022. DOI: 10.5815/ijmsc.2022.02.05

2. Suman Kumar Laha, Pradip Kumar Sadhu, **Ankur Ganguly** & Ashok Kumar Naskar "**A Comparative Study on Thermal Performance of a 3-D Model Based Solar Photovoltaic Panel Through Finite Element Analysis**", Ain Shams Engineering Journal, ISSN: 2090-4479, Vol: 13, Issue: 2, Page: 101533, Publication Year: 2022, DOI: 10.1016/j.asej.2021.06.019 (Impact Factor: 3.180, Science Citation Index Expanded, Scopus, Directory of Open Access Journals (DOAJ), Ei Compendex, INSPEC)

2021: (3)

1. Sumagna Dey, Pradyut Nath, Saptarshi Biswas, Subhprapatim Nath, and **Ankur Ganguly** "**Malaria detection through digital microscopic imaging using Deep Greedy Network with transfer learning**," Journal of Medical Imaging 8(5), 054502 (28 September 2021). <https://doi.org/10.1117/1.JMI.8.5.054502> (Impact Factor: ESCI, Scopus)

2. Bidrohi Bhattacharjee, Pradip Kumar Sadhu, **Ankur Ganguly**, Ashok Kumar Naskar, "**Integrated Green Submersible Pumping System For Future Generation**", Facta Universitatis Series: Electronics And Energetics, Vol 34, No 1 (2021), DOI Number, <https://doi.org/10.2298/FUEE2101037B>, pp. 037-051, ISSN: 0353-3670 (Print), ISSN: 2217-5997 (Online), COBISS.SR-ID 12826626 (Emerging Sources Citation Index , Directory of Open Access Journals)

3. Suman Kumar Laha, Pradip Kumar Sadhu, Rudra Sankar Dhar, Rajesh Dey, Sumanta Bhattacharya, **Ankur Ganguly** & Ashok Kumar Naskar, "**Analysis of mechanical stress and structural deformation on a solar photovoltaic panel through various wind loads**", *Microsystem Technologies*, Vol.27, No.10, pp.1-10, 2021. <https://doi.org/10.1007/s00542-020-05142-8> (Impact Factor: 2.276, SCImago, SCOPUS, Science Citation Index, Science Citation Index Expanded (SCIE), UGC-CARE List (India))

2020: (2)

4. Bidrohi Bhattacharjee, Pradip Kumar Sadhu, **Ankur Ganguly** and Ashok Kumar Naskar, "**A New Generation Solar Photovoltaic Integrated System For Elevator Door Operation**", *International Journal of Future Generation Communication and Networking*; 2020; Vol 13(1); Pages 1-12, <https://www.sciencegate.app/journal/232406> (ESCI (WEB OF SCIENCE), Proquest, Ulrich, Google Scholar, Crossref)
5. Bidrohi Bhattacharjee, Pradip Kumar Sadhu, **Ankur Ganguly** and Ashok Kumar Naskar, "**Implementation and Cost Analysis of a Smart Green Energy Based Integrated System for Elevator Cabin**", *International Journal of Future Generation Communication and Networking (IJFGCN)*, ISSN: 2233-7857(Print); 2207-9645(Online), NADIA, (2020), Vol. 13, No. 3, pp. 15-26. (ESCI (WEB OF SCIENCE), Proquest, Ulrich, Google Scholar, Crossref)

2019: (6)

6. Bidrohi Bhattacharjee, Pradip Kumar Sadhu, **Ankur Ganguly** and Ashok Kumar Naskar "**Design of a New Generation "SOLAR ANTBOT" for Mankind**", *International Journal of Future Generation Communication and Networking (IJFGCN)*, ISSN: 2233-7857(Print); 2207-9645(Online), NADIA, (2019), Vol. 12, No. 4, pp. 39-56. DOI 10.33832/ijfgcn.2019.12.4.04 publisher name NADIA ISSN (Print) 2233-7857, ISSN (Online) 2207-9645 (ESCI (WEB OF SCIENCE), Proquest, Ulrich, Google Scholar, Crossref)
7. Alok Kumar Shrivastav, Pradip Kumar Sadhu, **Ankur Ganguly** (2019) "**An Evaluation of Flux Coupling Type SFCL Placement Based on Power Quality Risk Index**" *Electric Power Components and Systems*, (Taylor and Francis), ISSN: 1532-5008 (Accepted) (Thomson Reuter, SCI & SCI Expanded).
8. S.K.Laha, P.K.Sadhu, **A.Ganguly**, A.K.Naskar, "**Solar Power based Modelling and Monitoring of an Anti-theft luggage system through Smartphone for developing a Smart Society**" *International Journal of Innovative Technology and Exploring Engineering*, Vol.8, No.9 .pp.2439-2442, 2019. (SCOPUS, Google Scholar, Crossref)

9. Suman Kumar Laha, Pradip Kumar Sadhu, **Ankur Ganguly** and Ashok Kumar Naskar, **“Wireless Power Transfer Using Inductive Coupling Principle For Portable Charging Devices Through Solar Photovoltaic With Auto Switching”**, International Journal of Future Generation Communication and Networking, Vol. 12, No. 3 (2019), pp.25-40, <http://dx.doi.org/10.33832/ijfgcn.2019.12.3.03>, ISSN: 2207-9645 IJFGCN, (ESCI (WEB OF SCIENCE), Proquest, Ulrich, Google Scholar, Crossref)
10. Alok Kumar Shrivastav, Pradip Kumar Sadhu, **Ankur Ganguly**, **“Stability and Harmonic Analysis of Transient Current Limiter in Distribution System”**, Microsystem Technologies (Springer Verlag GmbH Germany) Vol. 25: Page: 1833–1839, (2019) ISSN: 0946-7076 (Impact Factor: 2.276, SCImago, SCOPUS, Science Citation Index, Science Citation Index Expanded (SCIE), UGC-CARE List (India))
11. Kaushik Neogi, Moumita Sadhu, Niladri Das, Pradip Kumar Sadhu, Agamani Chakraborty, **Ankur Ganguly**, Atanu Banerjee, **“A new approach for the stability analysis of high-frequency series resonant inverter-fitted induction heater”**, Ain Shams Engineering Journal 10 (2019) 185–194. ISSN / eISSN 2090-4479 / 2090-4495. (Impact Factor: 3.180, Science Citation Index Expanded, Scopus, Directory of Open Access Journals (DOAJ), Ei Compendex, INSPEC)

2018: (5)

12. Alok Kumar Shrivastav, Pradip Kumar Sadhu, **Ankur Ganguly**, **“Performance Analysis of Transient Current Limiter in Distribution System”** Engineering, Technology & Applied Science Research. ISSN: 1792-8036, Vol. 8, No. 2, pp. 2640-2645, 2018, (Impact Factor: 0.33; Web of Science / Master Journal List / Emerging Sources Citation Index, Directory of Open Access Journals (DOAJ) (incl. DOAJ Seal), Crossref, Publons, ResearchGate, Google Scholar)
13. Alok Kumar Shrivastav, Pradip Kumar Sadhu, **Ankur Ganguly**, Debabrata Roy, **“Efficient Placement Technique of Power Quality Monitor in Power Flow”** International Journal of Mechatronics, Electrical and Computer Technology, ISSN: 2305-0543 (Online), ISSN: 2411-6173 (Print), Vol. 8(29), -Jul. 2018, PP. 3923-3934 (Web of Science (Publons), Google Scholar).
14. Sujit Dhar, Biswajit Dutta, Pradip Kumar Sadhu, Debabrata Roy, **Ankur Ganguly**, **“Biomethanation - A source of clean alternative fuel for Electric Power Generation and sustainable development in rural India”** Journal of Mechanics of Continua and Mathematical Science, ISSN (Print): 0973-8975, ISSN (Online): 2454-7190, Vol.-13, No.-3, July-August (2018) Pages 42-67. (Web of Science (Publons), Google Scholar).
15. S.K. Laha, P.K.Sadhu, **A.Ganguly**, A.K.Naskar, **“Convergence Tuning of Solar Power for Enhanced energy Harvesting”**, Latin American Applied Research, 2018, ISSN / eISSN:0327-

0793 / 1851-8796, Vol:48, no.2,pp. 113-118, April 2018.(Science Citation Index Expanded, Scopus, Scimago and LATINDEX)

16. Sudipta Paul, Sanjeev Kumar Ojha, Swati Barui, Soumendu Ghosh, Moumita Ghosh, Biswarup Neogi and **Ankur Ganguly**, "**Technical Advancement on Various Bio-Signal Controlled Arm – A review**" Journal of Mechanics of Continua and Mathematical Science, ISSN (Print): 0973-8975, ISSN (Online): 2454-7190, Vol. 13 , Iss.2 (2018), pp. 95-111.(Web of Science (Publons), Google Scholar).

2017: (5)

17. Agamani Chakraborty, Debabrata Roy, Pradip Kr Sadhu, **Ankur Ganguly**, Atanu Banerjee, "**An Interference of High Frequency Series Resonant Inverter in Domestic Induction Heater Estimation in Emission Control Using FEM**" Journal of Power Technologies, ISSN: 2083-4187, E-ISSN: 2083-4195, Volume 97, Issue 4, pp. 283-288, 2017.(Emerging Sources Citation Index).
18. Anand Kumar, Moumita Sadhu, Niladri Das, Pradip Kumar Sadhu, Debabrata Roy, **Ankur Ganguly**, "**A Survey on High-Frequency Inverter and Their Power Control Techniques for Induction Heating Applications**", Journal of Power Technologies, ISSN: 2083-4187, E-ISSN: 2083-4195, Volume 97, Issue 3, pp. 201—213, 2017. (ICI Journals Master List / ICI World of Journals, Directory of Open Access Journals (DOAJ), Google Scholar, Emerging Sources Citation Index).
19. Sujit Dhar, Biswajit Dutta, Debasmita Ghoshroy, Debabrata Roy, Pradip Kumar Sadhu, **Ankur Ganguly**, Amar Nath Sanyal and Soumya Das, "**A new approach to working coil design for a high frequency full bridge series resonant inverter fitted contactless induction heater**", Advances in Computational Design, Vol. 2, Issue 4 , pp.283-291, 2017, Publisher: Techno – Press Ltd., ISSN: 2283-8477 (Print), 2466-0523 (Online) (ESCI, SCOPUS (CiteScore: 3.6))
20. Rajesh Dey, Suman Kumar Laha, Pradip Kumar Sadhu, **Ankur Ganguly**, Achintya Das, "**System Identification Through Different Variants of Adaptive Algorithm**", SCIENCE INTERNATIONAL-LAHORE, Vol. 29, Issue 4, pp. 807-811, 2017, ISSN 1013-5316;CODEN: SINTE 8
21. Paromita Das, Sudipta Paul, Joydev Ghosh, Shilpi PalBhowmik, Biswarup Neogi and **Ankur Ganguly**, "**An Approach Towards the Representation of Sign Language by Electromyography Signals with Fuzzy Implementation**", International Journal of Sensors, Wireless Communications and Control, Vol.7, Issue: 1, pp. 26-32, 2017, Publisher: Bentham Science, DOI: 10.2174/2210327907666170222093839, ISSN (Print): 2210-3279, ISSN (Online): 2210-3287 (Scopus)

2016: (3)

22. Alok Kumar Shrivastav, Pradip Kumar Sadhu, **Ankur Ganguly**, Saumen Dhara, **“An Approach to Voltage Quality Enhancement by Introduction of CWVM for Distribution System”** International Journal of Power Electronics and Drives System ,Vol 7, Issue 4, pp. 1276-1282., 2016, Publisher: Institute of Advanced Engineering & Science, Indonesia, ISSN: 2088-8694. (Scopus, SJR Q2)
23. Saumen Dhara, Alok Kumar Shrivastav, Pradip Kumar Sadhu, **Ankur Ganguly**, **“A Fault Current Limiter Circuit to Improve Transient Stability in Power System”** International Journal of Power Electronics and Drives System. Vol. 7, Issue 3, pp.767-778, 2016, Publisher: Institute of Advanced Engineering & Science, Indonesia, ISSN: 2088-8694 (Scopus, SJR Q2)
24. Debabrata Roy, **Ankur Ganguly**, Pradip Kumar Sadhu, **“A New Approach to Stability Analysis of PC Based Monitoring Condition of Human Heart Sounds Using MATLAB for Miners”** Majlesi Journal of Multimedia Processing, Vol. 5, Issue 1 ,pp. 2016, Publisher: Electrical Engineering Department, Majlesi Branch, Islamic Azad University, Isfahan, Iran. Postal Code: 8631656451, Print-ISSN: 2251-6255, Online-ISSN: 2423-4737

2015: (3)

25. Alok Kumar Shrivastav, Pradip Kumar Sadhu, **Ankur Ganguly**, Nitai Pal, **“A Novel Transient Fault Current limiter based on three phase Thyristor Bridge for Y-yg transformer”** International Journal of Power Electronics and Drives System, Vol. 6, Issue 4, pp. 747 – 758, 2015, Publisher: Institute of Advanced Engineering & Science, Indonesia, ISSN: 2088 – 8694 (Scopus, SJR Q2)
26. Subhojit Sarker, Ankur Ganguly, D.N. Tibarewala, **“Influence of Age and Gender on Heart Rate Variability: An Analysis Using Different Non-Linear Techniques”**, International Journal of Research Studies in Biosciences (IJRSB, Volume 3, Issue 5, May 2015, PP 99-106, ISSN 2349-0357 (Print) & ISSN 2349-0365 (Online), www.arcjournals.org (CrossRef)
27. P. K. Sadhu, P. Pal, A. Halder, **A. Ganguly**, N. Pal, P. Bhowmik, **“A New Approach of Localized Human Blood Reheating using High Frequency Converter”**, Indonesian Journal of Electrical Engineering and Computer Science, Vol. 14, Issue 1, April 2015, pp. 97 ~ 102, Publisher: Institute of Advanced Engineering and Science, DOI: 10.11591/telkomnika.v14i1.7262 (Dimensions, Google Scholar, Microsoft Academic, Scimagojr, Scinapse, Scopus; Q3)

2014: (1)

28. Subhojit Sarker, **Ankur Ganguly**, D.N. Tibarewala, “**Investigating the Correlation Between DFA and FD in the Non-Linear Analysis of Heart Rate Variability**”, International Journal of Computer Science and Technology (IJCST), IJCST Vol. 5 Issue 1, January - March, 2014, ISSN: 0976-8491 (ONLINE), ISSN: 2229-4333 (PRINT) Pages – 73-78 (IF: GIF - 0.478; Science Central.com – 11.82; Index Copernicus – 5.09; Indexed by: Google Scholar, Index Copernicus, Cabell’s Directories)

2010: (2)

29. Somsirsa Chatterjee, **Ankur Ganguly**, Saugat Bhattacharya, **Characterization of HRV by Poincare Plot Analysis among the Female Tea Garden Workers of Northern Hilly Regions of West Bengal**. International Journal of Healthcare Information Systems and Informatics (IJHISI), 2010, Volume 5, Issue 2, Pages 49-59 pp. DOI: 10.4018/IJHISI, ISSN: 1555-3396, EISSN: 1555-340X (ACM Digital Library ACM Digital Library Australian Business Deans Council (ABDC)Australian Business Deans Council (ABDC)Bacon's Media Directory Burrelle's Media Directory Cabell's Directories Cabell's Directories Compendex (Elsevier Engineering Index) Compendex (Elsevier Engineering Index)CSA Illumina Get Cited Google Scholar Google , SCOPUS)
30. **Ankur Ganguly**, Somsirsa Chatterjee, Saugat Bhattacharya, D. N. Tiberawala and S. Dasgupta, International Journal of Computational Intelligence and Healthcare Informatics (CIHCI), Vol.3 No.1. ISSN : 0973-7413, Pages: 9-13

Accepted:

31. Alok Kumar Shrivastav, Pradip Kumar Sadhu, **Ankur Ganguly**, Saumen Dhara, “**Power Quality State Determination Based On Matrix Observation**” Journal of Power Technologies., 2018, Publisher: Institute of Heat Engineering, ISSN: 2083-4187

a.ii. National: (3)

1. **Ankur Ganguly**, D. N. Tibarewala, S. Dasgupta, **Frequency Domain Analysis of Heart Rate Variability (HRV) Among the Resident Population of North Eastern Hilly Regions of West Bengal**. Indian Journal of Biomechanics, Special Issue (NCBM 7-8 March 2009), Pg – 17-21(http://www.iitr.ac.in/ISB/pages/Journal_2009_Index.html)
2. **Ankur Ganguly**, **Plot Analysis of Pulse Rate Variation on Application of a Group of Drugs on Normal Population of Darjeeling District**, TIG RESEARCH JOURNAL, In Engineering,

Technology, Management and allied disciplines, Vol-2, No.2, September, 2008, Pg- 102-108,
– e-journal (www.technoindiagroup.com/Research Journal)

3. **Ankur Ganguly, *Digital X-Ray Imaging in Dentistry, A Revolution-A Review***, TIG RESEARCH JOURNAL, In Engineering, Technology, Management and allied disciplines, Vol-1, No.1, May 2008, Pg-32-35, –e-journal (www.technoindiagroup.com/Research Journal)

b. Conferences:

b.i. International: (21)

1. Bidrohi Bhattacharjee, Pradip Kumar Sadhu, **Ankur Ganguly**, Ashok Kumar Naskar “Optimal Network Reconfiguration of a Distribution System with Electric Vehicle Charging Stations, Renewable Generation, and Shunt Capacitors Using Fuzzy System” 5th International Conference on Energy Systems, Drives and Automations (ESDA2022)
2. Suman Kumar Laha, Pradip Kumar Sadhu, **Ankur Ganguly**, Ashok Kumar Naskar, “ **Cooling of a high concentration solar photovoltaic module based on finite element analysis**”, ESDA 2021, Proceedings of 4th International Conference on Energy Systems, Drives and Automations, 30th & 31st December 2021.
3. Bidrohi Bhattacharjee, Pradip Kumar Sadhu, **Ankur Ganguly**, Ashok Kumar Naskar, Arindam Mondal “ **A Novel Fast Charging Method for Lead Acid Batteries of Battery Operated Three Wheeled Vehicle**”, ESDA 2021, Proceedings of 4th International Conference on Energy Systems, Drives and Automations, 30th & 31st December 2021, PP 21.
4. Bidrohi Bhattacharjee, Pradip Kumar Sadhu, **Ankur Ganguly**, Ashok Kumar Naskar, “ **Eco Friendly with low Cost Integrated Solar Pumping System**”, Proceedings of 2nd International Conference on Energy Systems, Drives and Automations (ESDA 2019), 28th & 29th December 2019, PP 7.
5. Sourav Seth, Agniva Chowdhury, Barun Mandal, **Ankur Ganguly**, Debabrata Roy, “ **Global Solar radiation and Performance Ratio Relationship for net output Energy Analysis in Kolkata, West Bengal**, India, Proceedings of 2nd International Conference on Energy Systems, Drives and Automations (ESDA 2019), 28th & 29th December 2019, PP 33.
6. Suman Kumar Laha, Pradip Kumar Sadhu, **Ankur Ganguly**, Ashok Kumar Naskar, “**Thermal modelling of a High Concentration Solar Photovoltaic module through Finite Element Analysis,**” in proceedings of 2nd International Conference on Energy System, Drives and Automation ,Kolkata, India,2019.

7. **Ankur Ganguly**, Alok Kumar Shrivastav, Pradip Kumar Sadhu, **“A Scheme for Reduction in Harmonic and Establish the Stability of Hybrid System Connected in Grid”**, Proceeding of IEI Kolkata Chapter, International Conference on Impact of Changing Energy Mix in the Power Sector, Kolkata, 23 – 24th December, 2019, ISBN: 81-85824-46-0, PP 108-114.
8. Alok Kumar Shrivastav, Bhaskar Sengupta, Pradip Kumar Sadhu, **Ankur Ganguly**, R N Lahiri, **“Modeling of inverter based grid connected distributed generators for transient stability using droop control schemes”**, Proceeding of IEI Kolkata Chapter , International Conference on Impact of Changing Energy Mix in the Power Sector, Kolkata, 23–24th December, 2019, ISBN: 81-85824-46-0, PP 119-125.
9. Sujit Dhar, Debabrata Roy, Biswajit Dutta, **Ankur Ganguly**, Pradip Kumar Sadhu, Diganta Sengupta, **“Energy Audit- A Clean, Alternative and Cost-Effective Way to Replace Conventional Energy”** By Published: IEEE Xplore, 7th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO), 2019.
10. Suman Kumar Laha ; Pradip Kumar Sadhu, **Ankur Ganguly** ; Ashok Kumar Naskar ; Meghnad Halder, **“Development and Performance study of Two Diode model PV cell under multiple varying factors for PV generation”** , 2018 Fourth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN), 22-23 Nov. 2018, DOI: 10.1109/ICRCICN.2018.8718700, Date Added to IEEE Xplore: 23 May 2019, Electronic ISBN: 978-1-5386-7638-7, USB ISBN: 978-1-5386-7637-0, Print on Demand(PoD) ISBN: 978-1-5386-7639-4
11. Suman Kumar Laha; Pradip Kumar Sadhu, **Ankur Ganguly** ; Ashok Kumar Naskar & Rishav Bhattacharya, “ IoT based street light visibility and water logging monitoring for development of Smart City”, IEEE 7th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO), Noida, India 29th -31st August 2018. (IEEE Explore)
12. Pritish Kumar Ghosh, Kaushik Neogi, Pradip Kumar Sadhu, Amarnath Sanyal, Debabrata Roy and **Ankur Ganguly**,” **Energy-Efficient Devices Towards Greater Economic Efficiency And Energy”** 1st International Conference in Emerging Trends in Engineering and Science (ETES 2018), organized by Asansol Engineering College, India.
13. Alok Kumar Shrivastav, Pradip Kumar Sadhu, **Ankur Ganguly**, **Comparative Stability and Harmonic Analysis Based on Transient Current Limiter in Distribution System**, 4th International Conference on Computing, Communication & Sensor Network, IEEE EDS Kolkata Chapter, 24th – 25th December 2015, Kolkata, ISBN: 81-85824-46-0, pp.108-114
14. *Subhojit Sarker*, **Ankur Ganguly**, *D.N. Tibarewala* **on Application of Non Linear Dynamics and Chaos Theory in Analysis of Heart Rate Variability**, 1st International Science &

Technology Congress (IEM-Congress 2014), IEM, Kolkata, West Bengal, India, August 28-29. Proceedings by Elsevier, ISBN: 9789351072485, Page(s): 111 – 117; [Conference eBook of 1ST INTERNATIONAL SCIENCE AND TECHNOLOGY CONGRESS 2014 (IEMCONGRESS 2014) is available at the following link : <http://www.elsevierst.com/ConferenceBookdetail.php?pid=81>]

15. *Debajyoti Misra, Subhojit Sarker, Ankur Ganguly, D.N. Tibarewala* **Genetic Algorithm based Gender Classification using non-linear parameters of Heart Rate Variability**, 3rd International Conference on Biomedical Engineering & Assistive Technologies (BEATS-2014), University Institute of Engineering & Technology, Panjab University, Chandigarh, February 14-15, 2014. Proceedings, Page(s): 123 – 127
16. *Subhojit Sarker, Ankur Ganguly, D.N. Tibarewala* **Chaos Analysis of Heart Rate Variability among Healthy Male and Female Population**, 3rd International Conference on Biomedical Engineering & Assistive Technologies (BEATS-2014), University Institute of Engineering & Technology, Panjab University, Chandigarh, February 14-15, 2014. Proceedings, Page(s): 217 – 220
17. *Debajyoti Misra, Subhojit Sarker, Supriya Dhabal and Ankur Ganguly*, **Effect of using Genetic Algorithm to denoise MRI Images corrupted with Rician Noise**, 1st International Conference in Emerging Trends in computing, communication and Nanotechnology organized by the Department of Electronics and communication Engineering, Infant Jesus college of Engineering and Technology, Tuticorin, Tamilnadu, India, 25-26th March 2013. Digital Object Identifier: 10.1109/ICE-CCN.2013.6528481 (IEEE Explore) Publication Year: 2013, Page(s): 146 – 151, IEEE Conference Publications
18. *Ankur Ganguly, Subhojit Sarker and D.N. Tibarewala*, **Artificial Neural Network based pattern recognition approach to study the consequence of audiovisual stimulus on Autonomic Nervous System in Females explored through Heart Rate Variability**, 2nd International Conference on Biomedical Engineering and Assistive Technologies (BEATS 2012), 6 - 7 December 2012, National Institute of Technology, Jalandhar, India. BEATS 2012 ISBN-13: 978-81-925454-1-7, Proceedings Pg. 617 – 622.
19. *Subhojit Sarker, Ankur Ganguly and D.N. Tibarewala*, **On Non-Linear Analysis of Heart Rate Variability among Healthy Male and Female Population**, 2nd International Conference on Biomedical Engineering and Assistive Technologies (BEATS 2012), 6 - 7 December 2012, National Institute of Technology, Jalandhar, India. BEATS 2012 ISBN-13: 978-81-925454-1-7, Proceedings Pg. 252 – 259.
20. *Ankur Ganguly, D. N. Tibarewala, S. Dasgupta*, **Heart Rate Variability (HRV) Analysis among the Tea Garden Workers of North Eastern Hilly Regions of West Bengal in Time**

Domain, International Conference on Biomedical Instrumentation and healthcare Engineering, ICOBIAHC'09, 6-8 August 2009, Meenakshi Sudararajan Engineering College, Chennai, Tamil Nadu, India, Proceedings, Pg – 62 -69

21. Somsirsa Chatterjee, **Ankur Ganguly**, Saugat Bhattacharya, **Characterization of HRV by Poincare Plot Analysis among the Female Tea Garden Workers of Northern Hilly Regions of West Bengal**, International Conference on Biomedical Instrumentation and healthcare Engineering, ICOBIAHC'09, 6-8 August 2009, Meenakshi Sudararajan Engineering College, Chennai, Tamil Nadu, India, Proceedings, Pg – 70 -74

b.ii. National: (15)

1. Suman Kumar Laha ; Pradip Kumar Sadhu, **Ankur Ganguly** ; Ashok Kumar Naskar, “ **Inductive Coupling Based wireless power transfer: self-selection of solar energy consumption for portable charging**”, 2nd National Power Engineering Research Scholars Conference, IIT Madras, Chennai, 24th to 25th February 2018.
2. Subhojit Sarker , **Ankur Ganguly**, D.N. Tibarewala , “**Use of non-linear techniques to investigate the effect of smoking and alcohol consumption on Heart Rate Variability**”, Proceedings 30th Indian Engineering Congress, 17th to 20th December 2015, organized by Institute of Engineers (Assam State Center), Guwahati, Assam, pp.1-8
3. **Ankur Ganguly**, Subhojit Sarker , D.N. Tibarewala, “**Heart Rate Variability Analysis using Power law Slope among Healthy Male & Female Population**”, Proceedings of 1st National Conference on Research Trends in Computer Science & Application, 8th February 2014, organized by Siliguri Institute of Technology, PP 9, ISBN 978 -93-82338-95-6
4. Subhojit Sarker, **Ankur Ganguly**, D.N. Tibarewala **On Application of Higuchi’s Algorithm to Determine Fractal Dimension Amongst Male and Female Population of Two Different Terrains**, National Conference on Mechatronics, Robotics and Automation, Bankura Unnayani Institute of Engineering In Association with The Institution of Engineers (India) West Bengal State Centre Sponsored By Technical Education Quality Improvement Programme (TEQIP-II) (A MHRD, Govt. of India Project), 23rd – 25th January 2014. Proceedings Pg. 110-120
5. Subhojit Sarker, **Ankur Ganguly** and D.N. Tibarewala, **On Establishment of Power Law Slope (PLS) as an Effective Tool in Non-Linear Analysis of Heart Rate Variability**, National Conference on Electronics, Communication, and Sensing & Signal Processing Technologies (ECSS 12), 2nd November 2012, Surendra Institute Of Engineering & Management, Siliguri, West Bengal.

6. Rajorshi Sarkar, Subhojit Sarker, **Ankur Ganguly** and D.N. Tibarewala, ***Transmission, Retrieval and Digital Processing of an Analog Signal Isolated Source by Incorporating Zig-Bee Technology Framework***, National Conference on Electronics, Communication, and Sensing & Signal Processing Technologies (ECSS 12), 2nd November 2012, Surendra Institute Of Engineering & Management, Siliguri, West Bengal.
7. Rajorshi Sarkar, Subhojit Sarker, **Ankur Ganguly** and D.N. Tibarewala, ***Wireless Unicast Transmission and Computer Aided Visualization of a Digitized Analog Signal via a Zig-Bee Personal Area Network***, National Conference On Electronics, Communication and Signal Processing (NCECS-2012), 19th Sepember, 2012, Siliguri Institute of Technology, Siliguri, West Bengal , Proceedings Pg – 104 – 110, ISBN 978-93-82338-06-2, © 2012 Bonfring
8. Subhojit Sarker, **Ankur Ganguly** and D.N. Tibarewala, ***On Non-Linear Analysis of Heart Rate Variability among Healthy Male and Female Population explored through Power Law Slope***, National Conference On Electronics, Communication and Signal Processing (NCECS-2012), 19th Sepember, 2012, Siliguri Institute of Technology, Siliguri, West Bengal , Proceedings Pg – 22 – 29, ISBN 978-93-82338-06-2, © 2012 Bonfring
9. Amandeep Kaur, Subhojit Sarker, **Ankur Ganguly**, Sumana Chatterjee, D.N.Tibarewala, ***Consequence of audiovisual stimulus on Autonomic Nervous System in Females and Artificial Neural Network based pattern recognition approach to classify the groups explored through Heart Rate Variability***, , 5th National Conference on Advances in Energy Conversion Technologies (AECT 2012), February 02 – 04, 2012, Department of Electrical & Electronics Engineering, Manipal Institute of Technology, Manipal University
10. Amandeep Kaur, **Ankur Ganguly**, , Sumana Chatterjee, D.N.Tibarewala, ***Consequence of audiovisual stimulus on ANS in Female Population and ANN based pattern recognition approach to classify the groups explored through Heart Rate Variability***, National Conference On Electronics, Communication and Signal Processing (NCECS-2011), 19th Sepember, 2011, Siliguri Institute of Technology, Siliguri, West Bengal, Proceedings, Pg – 5-11
11. **Ankur Ganguly** , D. N. Tibarewala, , S. Dasgupta, ***Frequency Domain Analysis of Heart Rate Variability (HRV) Among the Resident Population of North Eastern Hilly Regions of West Bengal***, National Conference on Biomechanics, Indian Institute of Technology (IIT), Roorkee, 7-8 March, 2009, Book of Abstracts, Pg-29
12. **Ankur Ganguly**, Anupam Maiti, Pritam Ghosh Roy, Anwasha Dutta, Reshmi Dey, Ishita Das, ***Characterization of Audiogram among Hierarchal Positions of Engineering Institute in North Bengal*** , National Conference on Recent Development in Applied Mathematical Science

and Engineering Device, Jalpaiguri Govt. Engineering College, Jalpaiguri, 20th to 22nd February,2009 Proceedings – Pg. 18

13. Somsirsha Chatterjee, **Ankur Ganguly**, Saugat Bhattacharya, Satarupa Biswas, Baijnath Prasad, Sayak Roy, **Poincare Plot Analysis and Characterization of HRV among the Tea Garden Workers of Northern Part of West Bengal**, National Conference on Recent Development in Applied Mathematical Science and Engineering Device, Jalpaiguri Govt. Engineering College, Jalpaiguri, 20th to 22nd February,2009 Proceedings – Pg. 16-17
14. **Ankur Ganguly** , D. N. Tibarewala , S. Dasgupta , **Time Domain Analysis of Heart Rate Variability (HRV) Among the Resident Population of North Eastern Hilly Regions of West Bengal**, National Conference on Recent Development in Applied Mathematical Science and Engineering Device, Jalpaiguri Govt. Engineering College, Jalpaiguri, 20th to 22nd February,2009 Proceedings – Pg. 16
15. **Ankur Ganguly**, **Non Linear Analysis of PRV on Implication of a Group of Drugs on Normal Population of Darjeeling District** , National Conference on Device, Intelligent System& Communication & Networking, Asansol Engineering College, Asansol, 1st & 2nd August 2008 (Proceedings – Pg. 171-174)

Book authored/Book edited/Book chapter: (3)

1. Debajyoti Misra, Ankur Ganguly, D. N. Tibarewala, **Chapter 2: Application of Genetic Algorithm in denoising MRI Images clouded with Rician Noise**”, Biomedical Image Analysis and Mining Techniques for Improved Health Outcomes (IGI Global Book Series Advances in Bioinformatics & Biomedical Engineering –DOI: 10.4018/978-1-4666-8811-7.ch002, Page(s): 14-38, 2015, ISSN 2327-7033; eISSN: 2327-7041) ISBN 978-1-4666-8811-7 (Hardcover) eISBN 978-1-4666-8812-4
2. **Ankur Ganguly**, D. N. Tibarewala, , S. Dasgupta, Subhojit Sarker, **“Chapter 39: Demographic Characterization of Heart Rate Variability (HRV)”**, Encyclopedia of Information Science and Technology, Third Edition, IGI Global, DOI: 10.4018/987-1-4666-5888-2.ch039, Page(s): 402-412, 2014 , ISBN13: 9781466658882,, ISBN10: 1466658886, EISBN13: 9781466658899
3. Chatterjee S., **Ganguly A.** and Bhattacharyya S., **“Chapter 15: Characterization of HRV by Poincare Plot Analysis among the Female Tea Garden Workers of Northern Hilly Regions of West Bengal”** Advancing Technologies and Intelligence in Healthcare and Clinical Environments Breakthroughs 2012, pp 206-215. ISBN13: 9781466617551, DOI: 10.4018/978-1-4666-1755-1.ch015

Patents: (6)

Published:

1.	Title of the invention	Self-Powered Smart Intelligent Washable Green Pay and Use Toilet
	Patent Office Journal No.	13/2021 Dated 26/03/2021
	Application no.	201831044807
	Application date	28.11.2018
	Publication date	26.03.2021, Pg. 16350,
	Name of inventors	Ankur Ganguly , Salini Bose, Sudipto Ghosh, Sudipta Paul, Moumita Ghosh, Anubhab Sarkar, Saswata Das, Sandip Dey, Souvik Chatterjee, Biswarup Neogi

2.	Title of the invention	Ultra-Safety Helmet
	Patent Office Journal No.	15/2018
	Application no.	201731028497
	Application date	10/08/2017
	Publication date	13/04/2018
	Name of inventors	Anilesh Dey. Ankur Ganguly . Dr. Papun Biswas. Mr. Abhijit Das. Dr. Sudipta Ghosh. Mr. Saswata Das. Mr. Debjit Mukherjee. Sajal Saha. Mr. Dipesu Banerjee. Dr. Biswarup Neogi. Sudipta Paul.

3.	Title of the invention	A High Frequency Virtual Reactor in Power System with Dispersed Generators to Control Fault Current and Method of Operation
	Patent Office Journal No.	02/2019
	Application no.	201731023466
	Application date	04.07.2017
	Publication date	11.01.2019
	Name of inventors	Alok Kumar Shrivastav, Saumen Dhara, Pradip Kumar Sadhu, Achintya Goswami, Parthabrata Choudhury and Ankur Ganguly

4.	Title of the invention	A System of Photovoltaic-Integrated Solar Induction Heating using High Frequency Full Bridge Series Resonant Inverter Under CSI (Current Source Inverter) Mode and Solar Thermal Heating and Method for the Same
	Patent Office Journal No.	06/2019
	Application no.	201731028010
	Application date	07.08.2017

	Publication date	08.02.2019
	Name of inventors	Bidrohi Bhattacharjee, Riyaz Ahmed, Pradip Kumar Sadhu, Ankur Ganguly , Ashok Kumar Naskar and Atif Iqbal

5.	Title of the invention	Solar Induction Heating System using High Frequency Hybrid Resonant Inverter under CSI Mode
	Patent Office Journal No.	20/2019
	Application no.	201731040411
	Application date	13.11.2017
	Publication date	17.05.2019
	Name of inventors	Suman Kumar Laha, Md. Tabrez, Pradip Kumar Sadhu, Atif Iqbal, Ankur Ganguly and Ashok Kumar Naskar
6.	Title of the invention	A Pacemaker Battery Recharger for Enhancing the Service Life
	Patent Office Journal No.	Patent Office, Kolkata, Government of India.
	Application no.	445/KOL/2015
	Application date	30. 04. 2015
	Publication date	10.07.2015
	Field of Invention	Electrical
	Sub-core Area	Power Electronics
	Name of inventors	Prof. (Dr.) Pradip Kumar Sadhu, Animesh Halder, Dr. Nitai Pal, Prof. (Dr.) Ankur Ganguly , Dr. Prabir Bhowmik and Moumita Sadhu