

STUDENT PUBLICATION

2017-18

DEPARTMENT: FT

National Seminar / Conference

- **Riya Dasgupta..Rupsa Roychowdhury** (2017). Banana Peel Muffin: A great way of waste utilization, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.
- **Pritika Prasad,(2017), Prostuti Chakravorty** Processing of Jackfruit seed flour, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.
- **Urmi Sarkar, Aurik Bairagi.** (2017). Qualitative analysis of Coffee Yoghurt, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.
- **Prostuti Chakravorty, Pritika Prasad.** (2017). Preparation and Characterization of Fortified Yogurt, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.
- **Rupsa Roychoudhury, Riya Dasgupta** (2017)“Utilization of Whey Protein to Enhance The Nutritional Quality of Biscuit”-Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.
- **Suparna Mukherjee, Srijanee Biswas (2017)** “Anthocyanins: Sources, Application, antioxidant activity and its role as biocolor”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Akash Kusum Maity, Khushi Maheshwari (2017)** “Freeze dried Jamun Powder fortified lassi: Source of nutraceuticals”- Abstract published in Seminar proceedings of National Seminar on

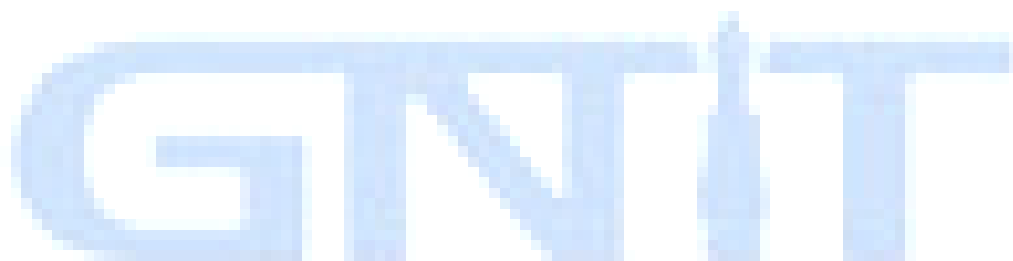
“Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.

- **Amit Saha, Debadri Bhowmick (2017)** “Quercetin Fortified Skimmed Milk”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Reema Ghosh, Prithwejit Bhattacharyya and Prankur Thakur (2017)** “Nutraceuticals- The pharmaceutical super foods”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Pritika Prasad and Soumyadeb Bhattacharyya (2017)** “Nutraceutical Analysis of Jackfruit Seeds”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.

Interational Journal

- **Shramana Bhattacharyya, and Sreemoyee Moitra, Potential Application of Milk and Milk Products as Carrier for Herbs and Spices: A Review, ,and, *International Journal of Engineering Research and Science & Technology*, 6(1): 114-125, (2017) ISSN 2319 – 5991, Impact Factor:1.09.**
- **Arunima Mukherjee, Bornini Banerjee, Shubham MukherjeeUtilization of Banana Peel and Pulp as a Functional Ingredient in Product Development: A Review, ,Arunima Mukherjee, Bornini Banerjee, Shubham Mukherjee and, *International Journal of Engineering Research and Science & Technology*, 6(1):137-148, (2017), ISSN 2319 – 5991, Impact Factor:1.09.**
- **Bornini Banerjee and Shubham Mukherjee,Banana peel wastes: potential source of antioxidant in banana chips, *International Journal of Agricultural Science and Research (IJASR)*, 7(2):73-80, (2017) ISSN (Print): 2250-0057; ISSN (Online): 2321-0087; Impact Factor (JCC): 4.8136; NAAS Rating: 4.13; IBI Factor: 3.2**
- **, Urmi Sarkar and Shreosi Das,Evaluation of Rheological, Physicochemical and Sensory Properties of low Calorie Coffee Yogurt *The Pharma Innovation Journal*, 6(7): 106-109 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.**
- **, Bornini Banerjee and Shubham Mukherjee,Potential of raw banana peel as a source of polyphenol in muffins*The Pharma Innovation Journal*, 6(10): 40-43 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.**

- **Suravi Chakraborty, Change in physicochemical properties of edible oil during frying: A review, *The Pharma Innovation Journal*, 6(10): 196-199 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.**
- **Riya Dasgupta, Abhijit Ghosh, Poulami Mitra, Tania Paul and Abhik Dutta, Neutraceutical Potential Of Some Rare Fruits & Vegetables: A Review, *The Pharma Innovation Journal*, 6(10): 421-424 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.**
- **Chandralekha Bhowmik, Prostuti Chakravorty, Rupsa Roychowdhury, Shubhapriya Samanta and Manasi Roy, Utilization of Various Seeds: A Review, *The Pharma Innovation Journal*, (Accepted), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.**
- **Bornini Banerjee and Shubham Mukherjee Banana peel wastes: potential source of antioxidant in banana chips (2017)., *International Journal of Agricultural Science and Research (IJASR)*, 7(2):73-80, (2017) ISSN (Print): 2250-0057; ISSN (Online): 2321-0087; Impact Factor (JCC): 4.8136; (NAAS Rating: 4.13); IBI Factor: 3.2.**
- **Chandralekha Bhowmik, Prostuti Chakravorty, Rupsa Roychowdhury, Shubhapriya Samanta and Manasi Roy, Utilization of Various Seeds: A Review, *The Pharma Innovation Journal*, 6(11):93-101 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.**

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DEPARTMENT: ECE

International Seminar / Conference

- Abhishek Shaw, Arijeet Saha, Aparajita Bhagat, **Sayan RoyChowdhury**, Design of wireless charger using piezo sensor, ASICN 2017, Dr. Sudhir Sur Engg. College, Kolkata, October 2017.
- Roma Singh, Roshan Jha, Palasri Dhar, **Dr. Sunipa Roy**, Two dimensional mobility in InP Single Quantum Well qand InAs Single Quantum well, RSA2017, Netaji Subhash Engg. College, August 2017.
- Abhishek Shaw, Arijeet Saha, Aparajita Bhagat, **Sayan RoyChowdhury**, Wireless power transmission using piezo sensor, RSA2017, Netaji Subhash Engg. College, August 2017.

GNIT

2016-2017

DEPARTMENT: CSE

International Journal

- Joy Dewanjee," A web based nucleotide sequencing tool using BLAST algorithm" published in International Journal of Biotech Trends and Technology (IJBT) – volume 18 Issue 1, **ISSN:2249-0183**, September - October 2016.
- Kunal Singh,Pritam Roy,Jui Saha,"Spontaneous Fan Speed Control System Using Arduino",published in International Journal for Research in Applied Science and Engineering Technology (IJRASET),ISSN:2321-9653,pp-1560-1563,Volume 5 Issue IV, April 2017,Thomson Reuter Indexed [Thomson Reuter Researcher ID:N-9681-2016],[Google Scholar indexed],Impact Factor:5.969,IC Value:45.98,April 2017.
- **Trishna Arora**,"An Approach towards Arduino Based Automated Plant Irrigation System using Soil Moisture Sensor" published on International Journal of Novel Research and Development with ISSN : 2456-4184, Impact Factor:3.57,Volume 2 Issue 4, April-2017
- **Jasbir Singh**,"An Innovative Smart Health Care System by using Internet of Things" published on International Journal of Novel Research and Development with ISSN : 2456-4184, Impact Factor:3.57,Volume 2 Issue 4, April-2017

National Seminar/Conference

- **Angika Roy,Anirban Roy, Indranil Choudhury, Aradhya Kundu, Kaustav Dutta**," Implementing Smart City- An Approach Towards Big Data Analysis and Internet of Things",paper accepted in 1st Regional Science and Technology Congress, 2016,NITTTR, Presidency Division West Bengal, 13th -14th November,2016, NITTTR, Kolkata.
- **Kunal Singh**," Implementation of Hand and Voice Biometrics Based on GMM" paper accepted in 1st Regional Science and Technology Congress, 2016,NITTTR, Presidency Division West Bengal, 13th -14th November,2016, NITTTR, Kolkata

DEPARTMENT: FT**National Seminar / Conference**

- **Ushnil Dutta, Sanjana Chakraborti**, “Development of Value Enriched Carrot Fortified Chips for Better Security of Nutrition” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal held on 15-16th Sept.,2016.
- **Soumyadeep Pal, Anusree Modak**, “Food Waste: Mine of Polyphenols” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal held on 15-16th Sept.,2016.
- **Mainak Ghosh and Manasi Roy**. “Preservation Techniques & Product Development of Locally Available Mushrooms” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal held on 15-16th Sept.,2016.
- **Neelanjana Misra, Gargi Sharma**, “Herbal Bread: A Loaf For Good Health” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal held on 15-16th Sept.,2016..
- **Arunima Mukherjee, Bornini Banerjee, Shubham Mukherjee**. “Utilization of Green Banana Peel in Enriching the Antioxidant Potential in Chips” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal held on 15-16th Sept.,2016..
- **Shramana Bhattacharya, Sreemoyee Moitra, Sayani Adhikary** “Development of Probiotic Lassi Supplemented with Aloe Barbadensis Miller Juice and Effect” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal .held on 15-16th Sept.,2016.
- **Sruti Mandal, Saikat Gorai**, Development and Evaluation of Quality Characteristics of Nutritious Osmodried Fruits for enhanced Nutritional Security” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with

Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal . held on 15-16th Sept.,2016.

- **Neha Jaiswal and Shalini Rastogi**, “Genetically Modified Foods: Safety”, Risk, and Public Concerns,8th All India Inter Engineering College Academic Meet-2017& Innovative Model Competition for a Sustainable Society, organized by FOSET, held on 19th March, 2017.
- **Prostuti Chakravorty and Debarati Bhattacharyya**, “Studies on Extraction of Protein from De-oiled Meals”, 8th All India Inter Engineering College Academic Meet-2017& Innovative Model Competition for a Sustainable Society, organized by FOSET, held on 19th March, 2017.
- **Anusree Modak**, “Studies on Extraction of Polyphenol from Cucumber and Potato Peels”, 8th All India Inter Engineering College Academic Meet-2017& Innovative Model Competition for a Sustainable Society, organized by FOSET, held on 19th March, 2017.
- **Paromita Roychowdhury and Aayushi Bhomia**, “Study of Utilization of Ultrasound in Milk and Milk Product”, 8th All India Inter Engineering College Academic Meet-2017& Innovative Model Competition for a Sustainable Society, organized by FOSET, held on 19th March, 2017.
- **Bigroha Hajra and Soumyadeb Bhattacharyya**, “Modern Trends on Utilization of Food Technology”, 8th All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017
- **Sreyasi Deb**, “An Enzymatic Approach For Debittering of Citrous Fruit Juice” 8th All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.
- **Mahua Sarkar and Saurav Bhattacharjee**, “ New Horizons in Agricultural Biotechnology” 8th All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.
- **Ansu Chaudhary and Pinki Karmakar**, “ Review: Genetically Modified Foods: Blessing or Curse” 8th All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.
- **Manasi Roy and Mainak Ghosh**, “Development of Mushroom Product: A Meat Substitute” 8th All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.
- **Gargi Sharma**, “Delopment and quality analysis of pudina fortified herbal custard”, 8th All India Inter Engineering College Academic Meet - 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.

- **Sreemoyee Moitra and Sayani Adhikary**, “Effect of incorporating Aloe-vera in Sandesh”, 8th All India Inter Engineering College Academic Meet - 2017 & Innovative Model Competition for a Sustainable Society organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.
- **Suparna Mukherjee and Srijanee Biswas**, “Rheological analysis of apple yoghurt”, 8th All India Inter Engineering College Academic Meet - 2017 & Innovative Model Competition for a Sustainable Society organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.
- **Urmi Sarkar and Shreosi Das**, “Rheological analysis of coffee flavored Yoghurt”, 8th All India Inter Engineering College Academic Meet - 2017 & Innovative Model Competition for a Sustainable Society organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.
- **Abhishek Kundu, Poulomi Mukherjee**, “Thermosonication a Suitable Approach of Alternative Processing”, 8th All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.
- **Prajesh Nandy, Subhapiya Samanta**, “Microalgae as a Source of Natural Antioxidant”, 8th All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.
- **Rupsha Roychowdhury, Madhulika Dutta**, “Algae is a source of Biofuel”, 8th All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.
- **Sanjana Chakraborty, Ushnil Dutta**, “Development and Analysis of a Nutrient Enriched Tropical Fruit Concoction”, 8th All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19th March, 2017.

National Journal

- **Priyanka Dutta**, “Development and characterization of curd fortified by pineapple juice” Indian journal of Dairy Science, Vol.69, Issue 5, Sep/Oct(2016), pp- 524-528, ISSN:0019-5146 (NAAS Rating: 4.19)
- **Sampurna Guhathakurta**, “Studies on Utilization of Milk for Extraction of Polyphenols from Date Palm (Phoenix dactylifera L.). Indian Journal Dairy Science (Accepted), Volume 70, No. 1, 2017 (January-February 2017) (Accepted), ISSN:0019-5146, NAAS Rating: 4.19
- **Smita Singha Roy**, Effect of Heat Treatment on the Rheological Properties of Pulse Based Cabbage Soup, *J. Interacademia*, 20(4) 515-519 (2016), ISSN: 0971-9016, NAAS Rating: 3.96

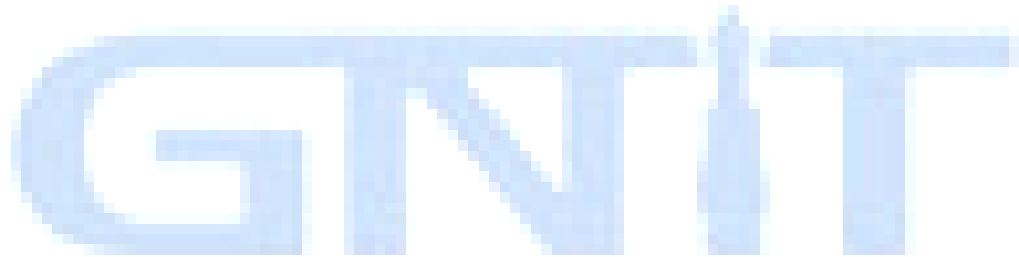
- **Shubham Mukherjee and Bornini Banerjee**, Development and Quality Analysis of Milk Based Eggless Pudding, *J. Interacademia*, 20(4) 520-525 (2016), ISSN: 0971-9016, NAAS Rating: 3.96
- **Kailash Barman**, Studies on the process development for the production of locally available pineapple products, *Journal of Interacademia*, 20(4), 508-514, (2016). ISSN: 0971-9016. (NAAS Rating: 3.96).
- **Bornini Banerjee, Soumyadeep Pal, Subham Mukherjee, Lara Maity, Soumyadeb Bhattacharyya, Bigrabo Hajra and Subhopriya Samanta**, Food safety challenges towards safe, healthy and nutritious street foods, *Journal of Interacademia*, 20(4), 499-507, (2016) ISSN: 0971-9016. (NAAS Rating: 3.96).
- **Prastuti Chakravorty, Riya Dasgupta, Suravi Chakravorty, Rupsa Roychowdhury and Debjit Ghosh**, Sweet Potato: Processing and Marketing: A Review, *Journal of Interacademia*, 20(4), 562-568, (2016) ISSN: 0971-9016. (NAAS Rating: 3.96).
- **Sampurna Guhathakurta** (2017). Studies on Utilization of Milk for Extraction of Polyphenols from Date Palm (*Phoenix dactylifera* L.). *Indian Journal of Dairy Science*, **70**(1):116-118, ISSN:0019-5146, (NAAS Rating: 5.26)

International Seminar / Conference

- **nusree Modak and Neelanjana Misra** (2016) Herbs Fortified Whey Drink, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016. A
- **mita Singha Roy and Soumyadeep Pal** (2016). Effect of Heat Treatment on the Functional Characteristics of Pulse based Tomato Soup, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016. S
- **soumyadeep Pal and Gargi Sharma** (2016). Preparation and Characterization of Salt Extracted Sesame (*Sesamum indicum* L.) Protein Isolate, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016. S
- **ornini Banerjee, Subham Mukherjee and Arunima Mukherjee** (2016). Utilization of Banana Peel as a Functional Ingredient in Chips Preparation, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016. B

- **ayani Adhikary and Sanchita Mukherjee** (2016). Quality Analysis of Raw and Packaged Milk of Kolkata, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- **Saikat Gorai and Sruti Mondal** , Development and Utilization of Carrot Powder in Value Added Biscuit Production, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- **Ushni Dutta and Sanjana Chakraborty**, Effect of Drying of Cucumber at Different Temperatures on Drying Characteristics and Physicochemical Properties, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- **Subhojit Singha , Chandrima Sarkar and Sukriti Dutta**, Potentiality of Polymers in Food Packaging, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- **Chandrani Dutta**, “Comprehensive Study on the Antioxidants and Proximate Analysis of Fruits Vegetables”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- **Sukanya Kar, Dipsikha Mukherjee and Sreemoyee Moitra**, “Development of Value Added Biscuits Fortified by Whey Protein”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- **Manasi Roy and Mainak Ghosh**, “The Essence of Life – Aloe vera(Preparation of Pickle from Aloe vera)” **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- **Bigroha Hajra**,“Analysis and Study on the Anti-oxidant of Citrus Fruits” , **International Seminar on Contemporary Developments in Nutritional Research** Organised by IQAC and Department of Food & Nutrition, Barrackpore Rastraguru Surendranath College, held on 5th and 6th January 2017.

- **Shramana Bhattacharyya and Sreemoyee Moitra** (2017). Potential Application of Milk and Milk Products as Carrier for Herbs and Spices: A Review, *International Journal of Engineering Research and Science & Technology*, 6(1): 114-125, ISSN 2319 – 5991, **Impact Factor**:1.09.
- **Arunima Mukherjee, Bornini Banerjee and Subham Mukherjee** (2017). Utilization of Banana Peel and Pulp as a Functional Ingredient in Product Development: A Review, *International Journal of Engineering Research and Science & Technology*, 6(1):1-12, ISSN 2319 – 5991, **Impact Factor**:1.09.
- **Gargi Sharma and Neelanjana Misra** (2017). Herbs fortified food - Key of Polyphenols: a Review, *International Journal of Engineering Research and Science & Technology*, 6(1): 18-29, ISSN 2319 – 5991, **Impact Factor**:1.09.
- **Riya Dasgupta and Debjit Ghosh** (2017). Climatic conditions required and factors affecting the production of sweet potato, *International Journal of Agricultural Science and Research*, 7(1): 459-464, ISSN-2250-0057 (NAAS Rating: 4.13), **Impact Factor**: 4.8136.
- **Bornini Banerjee and Shubham Mukherjee** (2017). Banana peel wastes: potential source of antioxidant in banana chips, *International Journal of Agricultural Science and Research (IJASR)*, 7(2):73-80, (2017) ISSN (Print): 2250-0057; ISSN (Online): 2321-0087; **Impact Factor (JCC)**: 4.8136; (NAAS Rating: 4.13); IBI Factor: 3.2.

The logo for GNIT (Guru Nanak Institute of Technology) is displayed in a large, light blue, stylized font. The letters are bold and blocky, with a slight shadow effect. The 'G' is the largest and most prominent, followed by 'N', 'I', and 'T'.

DEPARTMENT: AEIE**International Conference**

- Mr. Souvik Das, Ms. Reparana Saha, **Mrs. Suparna Maity**, “PLC based Modern Monoculture Farming System”, 1st International Conference on “VLSI, Devices, Circuits and Systems (VLSI DCS 2016), jointly organized by IEEE MSIT Student Branch, IEEE MSIT EDS Student Branch Chapter, IEEE EDS Kolkata Chapter and IEEE SSCS Kolkata Chapter, in association with the Department of ECE, MSIT and technically cosponsored by IEEE Kolkata Section on 19-20th October, 2016.
- Shovan Kar, **Sanghamitra Layek, Santana Das**, “Microcontroller based dual axis solar tracking system”, 1st International Conference on “VLSI, Devices, Circuits and Systems (VLSI DCS 2016), jointly organized by IEEE MSIT Student Branch, IEEE MSIT EDS Student Branch Chapter, IEEE EDS Kolkata Chapter and IEEE SSCS Kolkata Chapter, in association with the Department of ECE, MSIT and technically cosponsored by IEEE Kolkata Section on 19-20th October, 2016.

International Journal

- Mr. Souvik Das, Ms. Reparana Saha, "PLC based Modern Monoculture Farming System", Journal of Advances in Industrial Engineering and Management has been communicated, ISSN:2222-7059(Print); EISSN:2222-7067, 2016.
- Shovan Kar, "Microcontroller based dual axis solar tracking system", Journal of Advances in Industrial Engineering and Management has been communicated, ISSN:2222-7059(Print); EISSN:2222-7067, 2016

National Conference

- Sudeshna Banerjee, Sintu Kumar Barnwal, **Jayita Datta and Uma Ghosh***, "An Automated Method of temperature And Humidity Measurement for Calibration Laboratory", in 8th ALL INDIA INTER ENGINEERING COLLEGE ACADEMIC MEET – 2017, organized by FOSET in collaboration with Guru nanak Institute of Technology on 19th MARCH, 2017
- Arpan Kumar Lahiri, Debasis Awasti, “Air Swipe Controlled home-made speaker”, in 8th ALL INDIA INTER ENGINEERING COLLEGE ACADEMIC MEET – 2017, organized by FOSET in collaboration with Guru nanak Institute of Technology on 19th MARCH, 2017
- Anirban Chakraborty, **Bapita Roy**, " Colour Sensor Based Ambient Light with Manual Control”, in 8th ALL INDIA INTER ENGINEERING COLLEGE ACADEMIC MEET – 2017, organized by FOSET in collaboration with Guru nanak Institute of Technology on 19th MARCH, 2017

DEPARTMENT: IT

International Journal

- Sumit Kumar Singh; Congestion Control in VANET with Time Synchronization Approach and by Controlling Number of Messages. International Journal of Emerging Technologies in Engineering Research (IJETER). Volume 4, Issue 7, Page 13-16, impact factor 4.225, July 2016.

GNIT

DEPARTMENT: EE

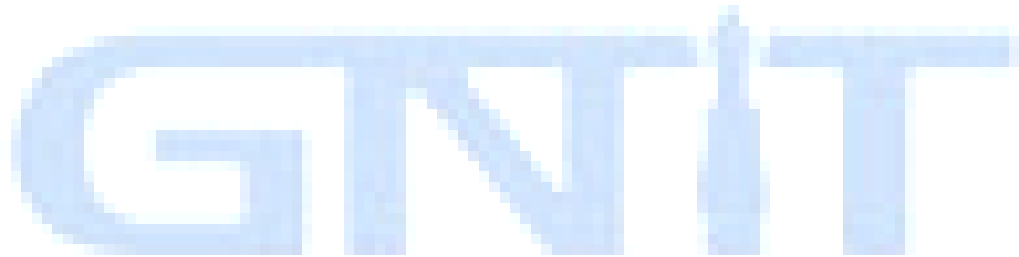
International Journal

- **Soumik Roy**, “Designing a Dual-Axis Solar Tracking System for increasing efficiency of a Solar Panel”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering(IJAREEIE), Impact Factor: 5.621, (An ISO 3297: 2007 Certified Organization) Vol. 5, Issue 12, December 2016.
- **Krishnendu Jana, Foyjuddin Khan and Susovan Dutta**,”Cost Effective Multi-Purpose Solar Charger Unit for Rural Development”,published in International Journal of Computer Sciences and Engineering, August 2016

GNIT

DEPARTMENT: ECE**International Conference**

- Saikat Sarkar, Satyaki Nan, Priyanka Ghosh, Moinak Adhya, Sandip Kumar Singh, Avali Ghosh, "**Bidirectional Visitor Counter with security system and Automated Room Light Controller**", 8th All India Inter Engineering College Academic Meet - 2017 And Innovative Model Competition For A Sustainable Society, 19th MARCH, 2017.
- A.Bhaumik. A.Das, A. Yadav, A.Shaw, A.K. Misra, Sunipa Roy, "**Non conventional energy sources using piezoelectric crystal for wearable electronics**", IEEE Sponsored International conference IEMENTECH, Science City, Kolkata 28-29 April, 2017.
- P.Chowdhury, S. Mahato, S. Das, Sunipa Roy, "**TEM analysis of microheater using SiO₂/Si₃N₄ composite membrane for long term gas sensor applications**", IEEE Sponsored International conference IEMENTECH, Science City, Kolkata. 28-29 April, 2017

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2015-2016**DEPARTMENT: CSE****International Journal**

- **Anirban Roy:** "Microcontroller Based Universal Asynchronous Receiver Transmitter (UART) Communication System" published in International Journal of Engineering Development & Research, ISSN :2321-9939, Volume 4, Issue 2, Impact factor: 3.97, April 2016
- **Angika Roy:** " Internet of Things (IOT) based Smart Health Care System" published in International Journal of Engineering Development & Research ISSN:2321-9939, Volume 4, Issue 2, Impact factor: 3.97, April 2016
- **Swatilekha Saha:** "Discrete Cosine Transform based Steganographic Approach Using JPEG Quantization Table" published in International Journal of Engineering Development & Research, ISSN :2321-9939, Volume 4, Issue 2, Impact factor: 3.97, April 2016
- **Swatilekha Saha:** "A Novel Approach: Architecture Based Various Designing Issues on Wireless Sensor Network Environment", International Journal of Engineering Development & Research ISSN:2321-9939, Volume 4, Issue 2, Impact factor: 3.97, April 2016
- **Reyad Hossain:** "Implementation of Hand biometrics on mobile devices" published in Gurukul International Multidisciplinary Research Journal, ISSN:2394-8426, Volume 6, Issue 2, Volume , Impact factor: 2.254, March 2016
- **Supriya Das** "Encryption Key Generation by Using Biometric approach in Secure Data Packet Transfer" published in International Journal of Engineering Development & Research, April 2016

DEPARTMENT: IT

International Seminar / Conference

- **Prabhakar Kumar, Hardip Singh Kataria** “Congestion control approach by reducing the number of messages in VANET” 4th International Conference on Reliability, Infocom technologies and Optimization (ICRITO 2015)September 2-4, 2015.
- **Pramit Karmakar,**” Prebond TSV Based 3D-SIC Testing”, International Conference on Current Research in Engineering Science and Technology (ICCREST-2016).4th to 6th MAY,2016
- **Sreya Bhattacharya,**”Next Generation Sequencing Technology”,International Conference on Recent Trends in Engineering and Technology (ICRTET-2016)May 15th, 2016

International Journal

- **Md. Shahriq Khan,**”Congestion Control in VANET Using Threshold Based Distance Metric with Time Synchronization Approach, International Journal of Innovations in Engineering and Technology (IJJET)ISSN: 2319 – 1058

DEPARTMENT: FT**National Seminar / Conference**

- **Paushali Sinha, Mandira Bhowmick**,"Preparation of Ice Lolly using Beet color",Beverage & Food World (National)",July,2015
- **Sanjana Chakraborti**,"Advancement in Packaging of Milk and Milk Products."National Seminar on a theme "Dairying: Innovative Technology Initiatives in Production and Processing", organized by Indian Dairy Association (EZ), held on at West Bengal Veterinary Council Bhawan Auditorium, Belgachia, Kolkata, W.B.,12th March, 2016
- **Sudipta Sain, Dipsikha Mukherjee**,"Food Packaging: Innovation for the future. "Seminar on 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, at Kolkata, W.B,13th March, 2016.
- **Sreemoyee Moitro,Sukanya Kar**," Role of Functional Ingredients in Functional Foods"Seminar on 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, at Kolkata, W.B.13th March, 2016.
- **Ankita Kundu, Bhaswati De**,"Study on effect of drying on banana chips"Seminar on 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, at Kolkata, W.B.13th March, 2016
- **Anusree Modak, Nilanjana Mishra**,"Fortification of Sesame Seed Meal in Cookies Formulation",Seminar on 7th All India Inter College Academic Meet-2016 &Innovative model competition for a sustainable society, organized by FOSET, at Kolkata, W.B.13th March, 2016.
- **Sreyasi Deb**,"Energy Drinks"Seminar on 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, at Kolkata, W.B.13th March, 2016
- **Chendrima Basu, Priyanka Dasgupta**,"Characterization of Aloe vera and Development of Different Aloe vera Products"Seminar on 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, at Kolkata, W.B.13th March, 2016

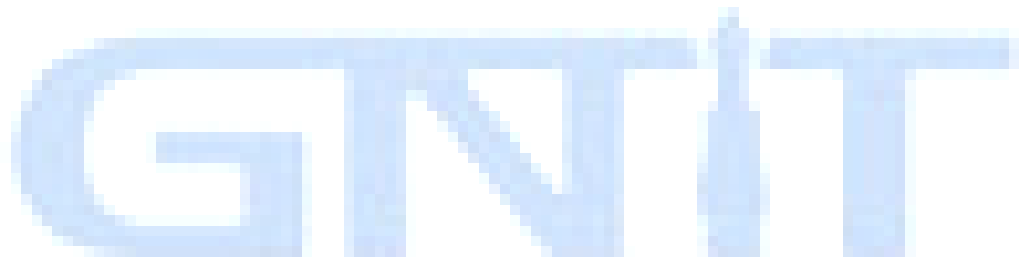
National Journal

- **Mandal P, Jha P** : “Development and Evaluation of Quality of Carrot Fortified Chips” Beverage & Food World Journal (National) November 2015, Vol.42, No.11, pp 46-48, ISSN: 0970-6154.
- **Dipsri** “A Comparative Study on Drying Kinetics of Tray Dried Cucumber Under Different Temperature and Their Physicochemical Properties” Beverage & Food World Journal (National) December 2015, Vol.42, No.12, pp 46-50, ISSN:0970-6154.

International Seminar / Conference

- **Manasi Roy , Chandrani Dutta**,”Utilization of By-Products from Egg and Egg Product Industries International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India 5th and 6th April 2016, IJCN: ISSN:0971-9210.
- **Sanjana Chakraborti, Ushnil Dutta**,”Sustainable & Edible Packaging-When food gets Wrapped International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India 5th and 6th April 2016, IJCN: ISSN:0971-9210.
- **Smita Singha Roy, Lara Maity**,”Effect of Processing on the Functional Properties of Pulse Based Cabbage Soup International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India 5th and 6th April 2016, IJCN: ISSN:0971-9210.
- **Lara Maity, Smita Singha Roy**,” Effect of Fortification of Raisin and Dates in Milk” International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India 5th and 6th April 2016, IJCN: ISSN:0971-9210.
- **Subham Mukherjee, Bornini Banerjee**,”Fortified Vegetable Pudding: Technology and Quality Control ”International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India 5th and 6th April 2016, IJCN: ISSN:0971-9210.
- **Subhajit Basu, Ankita Kundu, Bhaswati De, Sk. Nazim Ahmed**,”Nutraceutical Application and Value Addition of Banana Chips” International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, 5th and 6th April 2016, IJCN: ISSN:0971-9210.
- **Bornini Banerjee, Subham Mukherjee**, “Preparation and Characterization of Value Added Banana Chips”, International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, 5th and 6th April 2016, IJCN: ISSN:0971-9210.

- **Mainak Ghosh, Saikat Gorai,**”Development of a value added fermented nutra beverage from *Madhuca latifolia* flower” International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, 5th and 6th April 2016, IJCN: ISSN:0971-9210.
- **Arunima Mukherjee,**”Development of Different Products from Wood Apple “International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, 5th and 6th April 2016, IJCN: ISSN:0971-9210.
- **Sruti Mandal,**”Aloe vera: A Functional Ingredient of Food”International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India 5th and 6th April 2016, IJCN: ISSN:0971-9210.

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DEPARTMENT: ECE**International Seminar / Conference**

- **SomSubhraMondal** , M.Tech 2015 Passout 'Generation of Novel Encrypted Code using Cryptography for Multiple Level Data Security for Electronic Patient Record'(pp-916-921, indexed in IEEE Explore)- in IEEE International Conference on Bioinformatics and Biomedicine-BIBM 2015, at Washington DC, USA, 9-12 NOV 2015

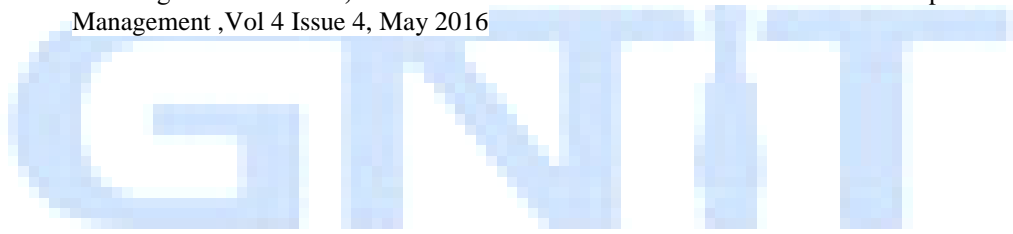
International Journals

- **Shatadru Biswas, Dibyendu Das**, "The Effect of Defective Ground Plane on a Wide Band Dual Frequency Circular Patch Antenna" International Journal of Advanced Research in Computer Science and Software Engineering, April 2016,IF-2.5
- **Swatilekha Sarkar, Gargi Majumdar, Shubham kumar Maurya, Sangeeta Hazra**, "Design and Analysis of a Wideband CPW fed Circular Patch Antenna for Wireless Communication Applications", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 5, May 2016,IF-5.611.
- **SHATADRU BISWAS**, "A Comparative Study Based On Design Parameter Variance in A Circular Patch Antenna Enclosed By A Rectangular ring For Multiband Operation in Wireless And Satellite Communication Applications International Journal of Engineering Science and computing April 2016,IF-5.618
- **PoulomiNath**, "Multifrequency Microstrip Antenna for Mobile Communication "International Journal of Engineering Science and Computing ,April 2016, IF-5.618
- **Ananya Ganguly**, "Development of AlGaAs /GaAs/AlGaAs Step Quantum well to produce Tunable Photo Detector and Electro-Absorption Modulator for noise reduction" International Research Journal of Engineering and Technology, April 2016,IF-4.45

DEPARTMENT: CA

International Journals

- **Sayantana Chanda, Arunabha Nath, Mouli Dutta, Krischiana Koley**, “ Use of Some Popular Android Applications in Post Disaster Management Scenario”, published on International Journal of Computer Science and Information Technology, Volume 6, Issue 6, pp: 5274-5278, December 2015.
- **Sandip Ray, Saheli Dutt, Soumasree Chanda, Seonti Dasgupta**, “Survey on Cloud Based Internet of Things Environment”, International Journal of Advance Research in Computer Science and Management, Vol 4 Issue 4, May 2016



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