



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



Mode and Date of Presentation

Venue:

NEDFi Convention Center
NEDFi House
G. S. Road, Dispur, Guwahati
Assam. PIN - 781006

CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
PHY-01	A. Kalita, M. P. C. Kalita	POSTER	16-05-2019	Microstructural and optical properties of Cu doped ZnO nanocrystals
PHY-02	Ashok Singh, Samir Thakur and Nirab C Adhikary	POSTER	16-05-2019	Analysis of rainfall events in northeast region of India
PHY-03	Banajit Sarmah, Anuradha Devi, Jnanjyoti Sarma	POSTER	16-05-2019	Study of Dust Acoustic Waves in Plasma with Dust Charge Variation in Presence of Nonthermal Ions and Nonisothermal Electrons
PHY-04	Bijay Kumar Sah, Sarathi Kundu	POSTER	16-05-2019	pH Dependent Structural And Morphological Modifications Of Protein Thin Film
PHY-05	Birbaishri Boro, Apul N. Dev ² , Bipul K. Saikia ³ , Nirab C. Adhikary	POSTER	16-05-2019	Nonlinear solitary and shock wave in a positron beam driven relativistic multicomponent plasma
PHY-06	Chanchal Boruah, Krishna Gogoi, Chandra Chutia	POSTER	16-05-2019	Study of Some Network Theorems Using Graph Theory



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
PHY-07	D. Barooah, S. Barman, P. P Gogoi	POSTER	16-05-2019	Measurements of indoor Radon and thoron using SSNTDs
PHY-08	Deepjyoti Mahanta, J. Choudhury, P. Kharbuli, I. Kharsohnoh, R. M. Sangma, N. Aomoa	POSTER	16-05-2019	Experimental study on the breakdown of air in DC glow discharge tube
PHY-09	D. Kalita, , B. Kakati, S. S. Kausik, B. K. Saikia and M. Bandyopadhyay	POSTER	16-05-2019	Studies on Plasma Instabilities in Weakly Magnetized Dusty Plasma
PHY-10	Dima Rani Borgohain, K. Saharia	POSTER	16-05-2019	Sheath Profiles in a Three Component Plasma Containing Tsallis Distributed Electrons
PHY-11	Anjan kumar Deka,	POSTER	16-05-2019	Free Convection Heat and Mass Transfer Flow past through a porous medium between two long vertical wavy walls in a viscous incompressible fluid
PHY-12	E. Mal, R. Junjuri, M. K. Gundawar and A. Khare	POSTER	16-05-2019	Spectroscopic Characterization of Laser Induced Plasma of Tungsten and Molybdenum in Air
PHY-13	Gobinda Pradhan, Partha P Dey and Ashwini Kumar Sharma	POSTER	16-05-2019	MoS ₂ quantum dots synthesis and their size modulation by pulsed laser ablation in liquid
PHY-14	K. Konwar, R. Patowary	POSTER	16-05-2019	TIPS Pentacene based Organic Thin Film Transistors
PHY-15	Kanchan Konwar	POSTER	16-05-2019	Organic Thin Film Transistors based on Pentacene
PHY-16	L. Jino, A. Vanav Kumar	POSTER	16-05-2019	Simulation of nanofluid filled inside a porous square cavity heated partially on the bottom wall in presence of magnetic field
PHY-17	Madhumita Devi, Rajdeep Nath and Ankur Gogoi	POSTER	16-05-2019	Design and fabrication of optical metrology system for the measurement of scattering and reflectance properties of biological tissues



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
PHY-18	Samiran Upadhyaya , Neelotpal Sen Sarma	POSTER	16-05-2019	Semi-conducting polyelectrolytes of bright blue fluorescent copolymer of 1-Vinyl-2-Pyrrolidone and Acrylonitrile: Materials for solid state electrical Application and acid vapour sensor
PHY-19	Samir Thakur, Sankar M. Borah, Ashok Singh, Nirab C. Adhikary	POSTER	16-05-2019	Studies on structural, electronic and interaction mechanism of functionalized carbon nanotubes with oxygen
PHY-20	R.Nagaraju, S.Venkateswara Rao	POSTER	16-05-2019	Critical review on Storage of Solar Energy in the Rechargeable Batteries
PHY-21	Sasmita Behera, Alike Khare	POSTER	16-05-2019	Composition dependent structural and optical properties of PLD deposited BST thin films
PHY-22	Nitu Borgohain	POSTER	16-05-2019	Enhanced Kerr nonlinearity and slow light via EIT in a three-level semiconductor quantum well nanostructure
PHY-23	Partha P. Dey, Rahul Kesarwani and Alike Khare	POSTER	16-05-2019	Anomalous scaling behavior of Cu film via Pulsed Laser deposition and correlation with SPR properties
PHY-24	Pranjal Nath, D. Sarkar	POSTER	16-05-2019	Microstructural and Optical Properties of Vacuum Deposited PANI-Nano/Micro Si heterostructure
PHY-25	Pratima Borah, Manos P. C. Kalita	POSTER	16-05-2019	Structural Properties of Chemically Synthesized V ₂ O ₅ Nanocrystals
PHY-26	S. Biswas, E. Stambulchik, R. Doron, and Y. Maron	ORAL	16-05-2019	Determination of the Electric Field Distribution near the Anode Surface of a SMP Diode
PHY-27	Suniti Changmai, Madhurjya P. Bora	POSTER	16-05-2019	Studying the Photoemissive Plasma Sheath
PHY-28	Tapashi Das, D. K. Choudhury	POSTER	16-05-2019	Charge radii and decay constants of heavy flavored mesons using perturbative approach



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
PHY-29	Tapan Rajbongshi	POSTER	16-05-2019	Systematic Study of Ground State Deformation Effects on Fusion Cross Sections
PHY-30	Ritun Chakraborty, Roman Krahn	ORAL	15-05-2019	Optical and Electrical Properties of Cation Exchanged Hybrid Semiconductor Nanowires
PHY-31	M. Devee	POSTER	16-05-2019	Effect of Shadowing and Antishadowing Corrections to the Q^2 -Evolution of Gluon Distribution Function
PHY-32	Mausumi Das	POSTER	16-05-2019	Recent Advances in the Development of Nanostructure Polyaniline : A Review
PHY-33	Bharat Kakati, Tapan Rajbonshi, Shemima Begum and Dhiraj Bora	POSTER	16-05-2019	Design and Development of an Experimental Glow Discharge Reactor

CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
MAT-01	A. Sarma and N. Goswami	POSTER	16-05-2019	Some results on a class of C^* -algebras
MAT-02	Ashish Paul	POSTER	16-05-2019	Free Convection and Mass Transfer Flow past an Infinite Vertical Cylinder Immersed in a Porous Medium
MAT-03	Bijoy Patir, Nilakshi Goswami	POSTER	16-05-2019	Some Applications of Fixed Point Theorems in Fuzzy Boundary Value Problems
MAT-04	S. Talukdar, B. Nath	POSTER	16-05-2019	Unsteady MHD Casson Fluid Flow past an Inclined Surface
MAT-05	Anamika Sarma, Nilakshi Goswami,	ORAL	16-05-2019	Stability Results for Fixed Point Problems in C^*-algebra Valued Modular Metric Spaces



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
	Dipankar Das			
MAT-06	Jyoti Bhusan Saha , Debasish Dey, Utpal Kumar Saha	POSTER	16-05-2019	An Analytic Solution using Special functions of the Oscillating Motion and Heat Transfer of a Generalized Oldroyd-B Fluid in a Circular Cylinder
MAT-07	Moloya Bhuyan, Chandra Chutia	POSTER	16-05-2019	Existence of Smooth Homeomorphism from a Fuchsian Group to the point Group of Ferrocene Molecule
MAT-08	N. Goswami, N. Haokip	POSTER	16-05-2019	Some Fixed Point Theorems in b-Metric Spaces
MAT-09	Tahera Begum, Arshad Khan	POSTER	16-05-2019	Robust Method for Solving Second Order Singularly Perturbed Delay Differential Equations using Non-Polynomial Spline

CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
ENG-01	B. Gogoi, B. Terang, D.C. Baruah	ORAL	16-05-2019	Impact of GIS based Improved Cook Stove distribution on rural livelihood
ENG-02	Jyotishmanyu Kakoti, Bharat Kakati	POSTER	17-05-2019	Investigation Of Heavy Metals On Ground Water
ENG-03	Nabajit Dev Choudhury, Niharendu Saha	POSTER	17-05-2019	Production and Characterization of Vegetable Based Biolubricants
ENG-04	Plaban Bora, Sourav Chakravarty, Hirak Jyoti Deka, Pranjal Kumar	POSTER	17-05-2019	Community Biogas Plant: A Feasibility Study in Kokrajhar District of Assam, India
ENG-05	Suchibrat Bora, Bharat Kakati	POSTER	17-05-2019	Hazardous Impacts Of Municipal Solid Waste On Soil
ENG-06	Sumi Kakati	POSTER	17-05-2019	Energy Audit of Urban residential building: A case study



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



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ENG-07	Sumi Kakati, Jyotishmanyu Kakoti, Nabajit Dev Choudhury	POSTER	17-05-2019	Feasibility of Vegetable Oil as Transformer Oil
ENV-01	Visva Bharati Barua,	POSTER	16-05-2019	Lignocellulosic biomass: A Potential feedstock for biogas production
ENV-02	Sanghita Dutta	POSTER	16-05-2019	Wetland and Climate change-A speculative review
ENV-03	Sakhee Bujarbaruah, Bharat Kakati	POSTER	17-05-2019	Time series analysis technique for weather forecasting
GEO-01	D. Kumar, B. P. Duarah	ORAL	16-05-2019	Looking for spatial variations in tectonic activities in the Manas River basin and its peripheral areas taking aids of geomorphological parameters derived from remote sensing data
GEO-02	Sandeep Lahon, B. P. Duarah	POSTER	16-05-2019	Channel migration of the Dibang River spanning pre- to post 1950 Great Assam Earthquake
AGR-01	Shah M. Hussain, B.R. Phukan, M. Pathak	POSTER	16-05-2019	Low cost Solar Fish Dryer: A potential utility for bringing thousands of tribal farmers smiles of Siang belt of Arunachal Pradesh
AGR-02	Ng. Piloo, S. R. Singh, O. Messar, B. N. Hazarika	POSTER	15-05-2019	Processing of Star fruit (<i>Averrhoa carambola</i> L.) for value addition
EE-01	Bipul Kumar Talukdar, Bimal Chandra Deka, Arup Kumar Goswami	POSTER	15-05-2019	Distribution System Reliability Assessment Incorporating Distributed Generation



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
EE-02	Debdeep Saha, Kishore Jyoti Baruah, Manash Jyoti Borah, Prasanna Saikia and Sanatanu Koushik Tamuly	ORAL	15-05-2019	Improvement of dynamic stability of an Interconnected Power System Incorporating Modified Static Series Synchronous Compensator
EE-03	Disha Saraswat	POSTER	15-05-2019	Implementation of a Text-to-Speech system using MATLAB

CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
MANG-01	Anannya Boruah, Sinmoy Goswami	POSTER	17-05-2019	A Qualitative Study Of The Concept Of Post-Purchase Consumer Regret And Its Importance In Case Of Online Purchase Of White Goods
MANG-02	Bitopi Gogoi, Mukulesh Barua	POSTER	17-05-2019	Organizational Innovativeness: An assessment of the organizational creative climate
MANG-03	Denish Pegu, Sinmoy Goswami	POSTER	17-05-2019	A Study on Entrepreneurial Opportunities in Tourism among the Women in Assam in North East India
MANG-04	Jagadish Nath, Mukulesh Barua	POSTER	17-05-2019	A Case Study on Perception of Youths of Assam on Digital Virility
MANG-05	Manmit Mahanta, Sinmoy Goswami	POSTER	17-05-2019	A Conceptual Study on Metacognition and its role in Music Experience and Music Marketing
MANG-06	Nandini Borah, Mukulesh Barua	POSTER	17-05-2019	In search of a new quotient- 'TQ'



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



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MANG-07	Samujjwal Mohan Dev Sarma, Mukulesh Barua	POSTER	17-05-2019	Critical analysis of the impact of artificial intelligence in the service industry
MANG-08	Aruna Dev Roy, Mukulesh Barua	POSTER	17-05-2019	A study on evolution and awareness of green certification
MANG-09	Papari Nayak, Mukulesh Barua	POSTER	17-05-2019	A Study on Job Satisfaction of Teaching Staff of Higher Educational Institutions in Assam
MANG-10	Swmkwr Brahma, Shazeed Ahmed	POSTER	17-05-2019	Pink Auto Service by 'Naba Prohor' (A Case Study of a Self Help Group)
MANG-11	Pingki Sarma,	POSTER	17-05-2019	Self Help Groups and Rural Development: With Special Reference to Nagaon District, Assam
MANG-12	Pankaj Kumar Sharma ,	POSTER	17-05-2019	Waste Management System of Selected Ethnic Groups in Assam(A Rural Perspective)

CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
ECE-01	Ushmita Deka, Amarjyoti Kumar, Brahmachariyum Athoi Sharma, Tanvira Ismail, Jhimli Kumari Das	POSTER	15-05-2019	Determination of Chlorophyll content in leafy vegetables using Optical Methods
ECE-02	Antara Mahanta Barua, Pradyut Kumar Goswami	POSTER	15-05-2019	Analysis of Household Electricity Consumption Using Smart Meter Data



2nd National Conference on Recent Advances in Science and Technology **NCRAST 2019**

Date: May 15-17, 2019



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ECE-03	Arup Sarmah, Anil Hazarika, B K Dev Choudhury, Sanjib Kalita	POSTER	15-05-2019	Some Preliminary Dynamical Analysis on Kuramoto's Equation
ECE-04	Atlanta Choudhury,	POSTER	15-05-2019	Design a Rectangular Microstrip Patch Antenna for Wireless Communication at 2.4 GHz
ECE-05	Bhaskar Borah, Bhaskar Jyoti Rajbongsi, Faizul Ahmed, Jyotish Mazumdar, Aninidta Bora	POSTER	15-05-2019	Object Sorting based on Colour Detection using ATMEGA microcontroller
ECE-06	Bijuphukan Bhagabaati, Kandarpa Kumar Sarma	POSTER	15-05-2019	A Web Content Management System for Plant Disease Identification
ECE-07	Deepjyoti Kalita,	ORAL	16-05-2019	Design and Analysis of Brain Tumor Detection System using Convolutional Neural Networks in MRI Images
ECE-08	Syed Mabrur Ahmed Nandan Acharjee ¹ , Sabyasachi Bhattacharyya, G. Aruna	POSTER	15-05-2019	Principles behind design of Massive MIMO systems for 5G Wireless Networks Current State and Recent Advances
ECE-09	Suvajit Nag, Pallab Das, Ilakshi Deka	POSTER	15-05-2019	Development of a portable system for Authentication and Recognition of Indian Currency



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
ECE-10	J. Bhagwan Reddy, A. Nagraj, Narender Reddy	POSTER	15-05-2019	Probablistic Reliability Assessment of a Grid Connected Solar Photo Voltaic System
ECE-11	Pallab Sarma, Smriti Rekha Baruah	POSTER	15-05-2019	Analysis and Enhancing of ECG Signal using Optimal Moving Average and DFT Filtering and Performance Evaluation using RSME & CC Measures
ECE-12	Nandan Acharjee , Syed Mabrur Ahmed, Sabyasachi Bhattacharyya, G Aruna	POSTER	15-05-2019	5G as a Potential Communication Network for Autonomous Vehicles-A Literature Survey
ECE-13	Papul Changmai, Sanjeev Kumar Metya	POSTER	15-05-2019	A robust Model to improve performance of PV array during partial shading condition
ECE-14	Rajesh Siva, Khushboo Hembrom, Pooja Kumari Shah, Deepjyoti Mahanta, Hemashree Bordoloi*, Samar Jyoti Saikia.	POSTER	15-05-2019	SMART PILLOW

CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
CS-01	A. Nabanita Das, Maushumi Barooah	POSTER	17-05-2019	A Survey on Software Updates in Vehicular ad-hoc Networks & its various Issues and Challenges



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
CS-02	Arunima Devi	POSTER	17-05-2019	A Survey of Vision based hand and face Gesture recognition of Indian Local Language
CS-03	D.C.B.Marak, A.Halder	POSTER	17-05-2019	Cancer Sample Classification from microRNA gene expression data: an Empirical Study
CS-04	Gulab Sah, Rajat Subhra Goswami, Sunit Kumar Nandi	POSTER	17-05-2019	Predicting the Rating of upcoming Products
CS-05	K.Sarmah	POSTER	17-05-2019	Voiced Based Emotion Recognition Using Deep Learning Techniques
CS-06	Neha Pathak, Leepi Rabha, Rupam Kumar Sharma	POSTER	17-05-2019	Sensor Data Anomaly Identification in IoT Based Network
CS-07	Nur Alom Talukdar, Anindya Halder*	POSTER	17-05-2019	Segmentation of brain MRI using Unsupervised and Semi-supervised Techniques
CS-08	Priyanka Mazumder, Siddhartha Baruah	POSTER	17-05-2019	A Study on Healthcare Domain using Data Mining Algorithms
CS-09	Rubul Kumar Bania, Anindya Halder	ORAL	16-05-2019	Automatic Removal of Pectoral Muscle from Mediolateral Oblique View Mammograms
CS-10	Rupankar Sharma, Rounoq Raj Phukan, Amlan Deep Nath,	POSTER	17-05-2019	Identification of flying object based on region of interest A Survey



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
	Alok Choudhury, Vijay Prasad			
CS-11	Sagar Saikia	POSTER	17-05-2019	A Survey on Sentiment Analysis: Techniques Used & Its Applicability
CS-12	Shrabani Medhi, Minakshi Gogoi	POSTER	17-05-2019	Prediction of Air Pollutants Using Spatiotemporal Big Data and methods of Machine Learning and Deep Learning and their application on human health and environment: A Study
CS-13	A. Subhash Basishtha,	POSTER	17-05-2019	An Approach of Online Handwriting Bangla Character Recognition
CS-14	Veronica Naosekpan*, Alexy Bhowmick	POSTER	17-05-2019	Non-Parametric (Data-driven) Scene Parsing of Natural Images
CS-15	Debayan-Chakraborty, Koj-Sambyo	POSTER	17-05-2019	English to Apatani Machine Translation using Statistical Method

CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
CVL-01	Bhargav Katati	POSTER	15-05-2019	A STUDY ON BEHAVIOUR OF FLOW OVER DIFFERENT TYPES OF WEIR
CVL-02	Bikash Das, Natasha Kakati	POSTER	15-05-2019	EFFECT OF MICA IN COARSE AGGRAGATES USED IN CONCRETE
CVL-03	Bikash Das, Sandora Ch. Marak, Monikankana Das,	POSTER	15-05-2019	STUDY AND EVALUATION OF WASTE WATER AND ITS QUALITY IN THE AREA OF JORABAT



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



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	Niky Kalita			
CVL-04	Gitartha Kalita Pranjal Sarma,	POSTER	15-05-2019	Study on Sustainable Design against Rocking
CVL-05	Parinita Baruah, Gitartha Kalita	POSTER	15-05-2019	An Assessment of Sick Building Syndrome: A survey of Hospitals in North Lakhimpur, Assam, India
CVL-06	Mayuri Borah, Satyabrata Choudhury	POSTER	15-05-2019	SEISMIC PERFORMANCE OF TALL BUILDING SYSTEMS
CVL-07	Monikankana Das, I. Bikash Das, Viliebeizo Kreditsu	POSTER	15-05-2019	VARIATION OF ATTERBERG'S LIMIT IN SAND- BENTONITE MIXTURE
CVL-08	Mida perying, Nabanita daimary	POSTER	15-05-2019	Potential of cement and bitumen emulsion on improvement of sub-grade in road construction

CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
ME-01	Anindita Sharma*, Partha P. Dutta	POSTER	15-05-2019	Mathematical Modelling of Withering Characteristics of Tea Leaves in Assam, India
ME-02	Arpan Das, Ranjan Bora*	POSTER	15-05-2019	Performance analysis of LPG powered Refrigeration System
ME-03	Arpan Das*	POSTER	15-05-2019	Avoiding lose of Kirschner-wire stiffness during bone healing:

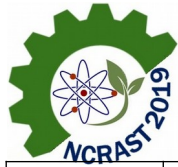


2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



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				FEA analysis of Ilizarov External Fixator
ME-04	Bichitra Bikash ^{1,*} , Madhurjya Saikia ² , Dilip K. Bora ³ , Kalyan Kalita ³	POSTER	15-05-2019	Analysis of Thermal Performance of a Single Cylinder Diesel Engine Using Cucurbita Pepo L. seed oil Biodiesel
ME-05	D. Das, J. Chowdhury, P. Kakoti	POSTER	15-05-2019	On Finite Difference Analysis of Journal Bearings under base excitation
ME-06	Monoj Baruah*, Hrishikesh Bhattacharyya, H. Gohain, Anil Borah	POSTER	15-05-2019	Effect of Solution Treatment Temperature and Soaking Time on Hardness of Al-Mg-Si-Sn Alloy
ME-07	Jimpi Anan, Prasanta Kumar Choudhury	ORAL	17-05-2019	Application of Grey Relational Analysis and Response Surface Methodology for Optimization of Drying Parameters of a Solar Dryer
ME-08	Santanu Talukdar, Mousam Handique, Suraj Singha, Khemraj Newar, Deepjyoti Barman, Kamaldeep Kalita	POSTER	15-05-2019	Design and Development of a Refrigeration System Operated with LPG
ME-09	L. Dhritiman, G. Srijan, D. Bikash, K. Raj Saurav	POSTER	15-05-2019	Automatic Drain Cleaning Machine
ME-10	Manash Jyoti deka, Majaharul Islam, Juber Ahmed,	POSTER	15-05-2019	Design and stress analysis of a Parabolic Disc Solar Collector using ANSYS software for solar energy to thermal energy conversion



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



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	Harjeet Kumar, Kangkana Baishya			
ME-11	Madhurjya Saikia ¹ , Bichitra Bikash ^{2*} , Dilip K. Bora ³ , Kalyan Kalita ³	POSTER	15-05-2019	Effect of Storage Condition on Oxidative Stability of Yellow Oleander (<i>Thevetia Peruvian</i>) Biodiesel
ME-12	Manash Bhuyan ^{1*} , Nang Kingkham Chowpi ² , Eliza Maibangsa ² , Anurag Sarm ² , Anil Borah ¹	POSTER	15-05-2019	Investigating the Effect of Furnace Cooling on Hardness of 2xxx Series Aluminium Alloy Micro-Alloyed with 0.04 wt% of Titanium
ME-13	Pooja Dutta *, Partha Pratim Dutta and Paragmoni Kalita	POSTER	15-05-2019	Experimental investigation of thin layer drying kinetics of <i>Garcinia pedunculata</i> dried in a forced convection environmental chamber
ME-14	Pranjal Sarma *, Raktim Ranjan Baruah, Jitul , Pratik Chakraborty, Ankush Barman, Reeshav RajBarman	POSTER	15-05-2019	Design and Fabrication of Portable Rice Grain Separator cum De-Husker
ME-15	Prasanta Kr. Choudhury ^{1*} , Dilip Kr. Bora ²	POSTER	15-05-2019	Multi-response Optimization for Koroch Bio-diesel using Taguchi-Grey Relational Analysis
ME-16	Raktim Jyoti Barpatra Gohain*, Partha Pratim Dutta	POSTER	15-05-2019	A comparative thermal study between two different configuration absorber plate of a double pass solar air heater using CFD and experimental analysis
ME-17	Raktim Jyoti Barpatra Gohain	POSTER	15-05-2019	Modelling and experimental study of an Improved Biomass Cook-stove



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



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ME-18	S. Bhawan-Shivhare	POSTER	15-05-2019	Benefits of Upwind Differencing Scheme over Central Differencing Scheme while Numerically Solving Convection-Dominated Diffusion Problems
ME-19	S. S. Begum, A. P. Goswami, H. Jangid*, P. P. Dutta	POSTER	15-05-2019	Design and Modelling of a Parabolic Trough Solar Collector
ME-20	Santanu Talukdar, Mousam Handique, Suraj Singha, Khemraj Newar, Deepjyoti Barman, Kamaldeep Kalita.	POSTER	15-05-2019	Use of LPG as a Domestic Refrigerant
ME-21	Abhijit Dey¹, Plabon Kakoti²	ORAL	17-05-2019	DEVELOPMENT OF AN INDEX FOR RANKING OF ELECTRODES IN SHIELDED METAL ARC WELDING PROCESS
PHAR-01	B Rabha*, D Goswami, PK Talukdar, BJ Gogoi, Vanlalhmuaka & SK Dwivedi	ORAL	15-05-2019	Development of Herbal Mosquito Larvicidal Floating Tablet
PHAR-02	Bishal Jyoti Bordoloi*, Bhupen Kalita, Dibyendu Shil	POSTER	17-05-2019	Isolation and Evaluation of Chemically Modified Jackfruit Seed Starch as a Prospective Polymer for Controlled Release Tablet Formulation
PHAR-03	Piyali Dey*, Pronobesh	POSTER	15-05-2019	Knockdown and mortality effect of permethrin-impregnated army uniform cloth against Anopheles stephensi



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
	Chattopadhyay, Danswring Goyary*, Sanjeev Karmakar, Sanjai kumar Dwivedi			
PHAR-04	F. Ali1*, D. Saha2	POSTER	17-05-2019	A REVIEW ON FLOATING DRUG DELIVERY SYSTEM
PHAR-05	Jyotirmoy Bhattacharyya*	POSTER	17-05-2019	mHealth Sensors: Innovation in the Pharmaceutical & Health Care Therapy
PHAR-06	Manoj Kumar Das*, Abdul baquee Ahmed, Dipankar Saha	POSTER	17-05-2019	Microencapsulation by solvent extraction/evaporation: reviewing the state of the art of microsphere preparation process technology
PHAR-07	Mrinmoy Deka*, Abdul Baquee Ahmed, Jashobir Chakraborty	POSTER	17-05-2019	Nanoparticles loaded in situ gelling system for ocular drug delivery
PHAR-08	Rupjyoti Kalita*	POSTER	17-05-2019	SMART POLYMERS: INNOVATIONS IN NOVEL DRUG DELIVERY
PHAR-09	Sidhartha Jyoti Bora1,*	POSTER	17-05-2019	Robotic Surgery
PHAR-10	Suman Jyoti Sarmah*	POSTER	17-05-2019	Implantable Sensors and Antennas for Wireless Brain Care
PHAR-11	Susankar Kushari1*, Suman Kumar1, Lalzikpuii Sailo2	POSTER	17-05-2019	Estimation of total protein content of different meat samples by Kjeldahl method collected from Aizawl, Mizoram, India
PHAR-12	Violina Kalita	POSTER	17-05-2019	PRECISION MEDICINE: FROM SCIENCE TO VALUE
PHAR-13	<i>Pratap Kalita^{1,2*}, Raja Chakraborty¹, Saikat Sen¹, Abdul Baquee Ahmed³, Hauzel Lalhlenmawia⁴</i>	POSTER	17-05-2019	Evaluation of Physicochemical and Disintegrants Properties of Native and Acid Modified Sweet Potato Starch



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
CHEM-01	Amit Kr. Singh, ^{1,*} Saptak Rarotra, ² Viswanath Pasumarthi, ² Tapas K. Mandal, ^{1,2} Dipankar Bandyopadhyay ^{1,2}	ORAL	15-05-2019	Formic Acid-Powered Ferrobots for Energy Generation
CHEM-02	Bapan Saha*, Sangeeta Das, Ondrila Deb, Shrutimala Baruah and Priyanka Paul	POSTER	16-05-2019	Formation of pyrrole sandwich and multidecker complexes via cation- π interaction: A density functional study
CHEM-03	Sekhadri Medhi¹, Hemanta Singhania¹,aJayashre e Nath², Bhaskar Jyoti Sarmah*¹	ORAL	17-05-2019	Modified Montmorillonite Clay: An efficient and environmentally benign Catalyst for Acetylation Reaction
CHEM-04	Gautomi Gogoi, Smruti R. Sahoo ² , Basanta Kumar Rajbongshi ³ , Sridhar Sahu ² , Neelotpal Sen Sarma ¹ , Sagar Sharma ^{1,4*}	POSTER	16-05-2019	New types of organic semiconductors based on diketopyrrolopyrroles and 2,1,3-benzochalcogenadiazoles: a computational study
CHEM-05	Jyotishmoy Borah*	POSTER	16-05-2019	Study on the Compatibility and Mechanical Properties of PP/EPDM/PVC Blends by Melt Mixing
CHEM-06	<i>Najrul Hussain*</i>	POSTER	16-05-2019	Metal Nanoparticle } Reduced Graphene Oxide Composite Materials as Efficient Catalyst for the Synthesis of Industrially Important Organic Compounds



2nd National Conference on Recent Advances in Science and Technology
NCRAST 2019

Date: May 15-17, 2019



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CHEM-07	Shamima Begum ^{1,2*}	ORAL	16-05-2019	Biogenic Fabrication of Activated Carbon/ SnO₂ Nanocomposite for the Photocatalytic Removal of Organic Dye
CHEM-08	Satya Ranjan Neog*	ORAL	17-05-2019	EXTRACTION OF POTASSIUM FROM BANANA PLANT (Musa-balbisiana)



2nd National Conference on Recent Advances in Science and Technology NCRAST 2019

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
BIO-01	Ambika Brahma and Shally Sultana Choudhury*	POSTER	17-05-2019	Phytochemical screening, antimicrobial and antioxidant activities of <i>Gynocardia odorata</i> R.Br from Brahmaputra Valley agro-climatic conditions
BIO-02	Hirakjyoti Kakati1, Chittaranjan Nath1, Chayanika Devi1, PVB Reddy1, Pankaj Kalita2,*	POSTER	17-05-2019	Exploration of alterations in plasma oxidative stress markers in mild and acute hyperglycemic condition
BIO-03	Fazlil Alam Ahmed1, Bornali Baishya1, Rosy Mondal2,*	POSTER	17-05-2019	Association of mitochondrial DNA mutations with oral squamous cell carcinoma: A study from Assam
BIO-04	Flora Nayak, Snigdha Jyoti Das, Natasha Kashyap, Tarun Kumar Basumatary, Purabi Deka Bose*	POSTER	17-05-2019	Role of RNATES-CCR5 Signaling Pathway in NAFLD with Type II Diabetes mellitus and Non Type II Diabetes mellitus pathogenesis in non obese subjects- A pilot study from Assam, India.
BIO-05	<i>Manish Das, Rimashree Deka, Amlan J Bordoloi, Anjan Barman*</i>	POSTER	17-05-2019	Virulence of <i>Ralstonia solanacearum</i> in tomato seedlings maintained under saline condition
BIO-06	Pankaj Kalita1, Chayanika Devi1,2, Kamal Sarma3,	ORAL	17-05-2019	Effect of size specific gold nanoparticle on the liver and brain tissue homogenate and mitochondrial extract in experimental animal model



2nd National Conference on Recent Advances in Science and Technology **NCRAST 2019**

Date: May 15-17, 2019



CODE NO	NAME OF THE AUTHOR'S	MODE OF PRESENTATION	DATE OF PRESENTATION	Title of the paper
	Manash Barthakur³, P. Vijaya Bhaskar Reddy^{2,*}			
BIO-07	Sanraja Muchahary, Khangembam Bronson Kumar	POSTER	17-05-2019	A preliminary study on the water quality, fish diversity and feeding habit of some selected fishes of tharong river, kokrajhar, assam
BIO-08	R. Das ¹ , N Gohain ² , M. Kalita ² , B. Talukdar ² , D.N.Singha ^{1,*}	POSTER	17-05-2019	Prospects of plant based food packaging in rural woman empowerment of South Kamrup, Assam-India