

অসম বিজ্ঞান প্রযুক্তিবিদ্যা আৰু পৰিবেশ পৰিষদ
(বিজ্ঞান আৰু প্রযুক্তি বিভাগ, অসম চৰকাৰ)

ASSAM SCIENCE TECHNOLOGY AND ENVIRONMENT COUNCIL

(Department of Science & Technology, Govt. of Assam)

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No. ASTEC/S&T/1802/1/2019-20/ 1138

Date: 14/07/2021

ORDER

The following list of projects has been selected for support under the scheme, “**S&T Institutional and Human Capacity Building**”, DST, Govt. of India.

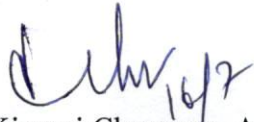
1. Development of a novel bio-composite thermal energy storage material and its applications in isothermal drying of agricultural products and passive cooling of building.
PI: Pankaj Kalita, PhD
Assistant Professor, Centre for Energy, Indian Institute of Technology, Guwahati
2. Design and development of a solar-powered pottery Chaak
PI: Prof. Sashindra Kumar Kakoty
Deputy Director, IIT Guwahati, Professor, Mechanical Engineering & Centre for Rural Technology, IIT Guwahati
3. In silico and in vitro Identification of small molecule prolyl hydroxylase-2 activator for modulation of hypoxia inducible factor-1 α signaling in estrogen receptor + breast cancer
PI: Dr. Manjari Singh,
Assistant Professor, Department of Pharmaceutical Science, Assam University (A Central University), Silchar, Assam
4. Mathematical Modelling of Infectious Diseases
PI: Dr. Manash Jyoti Borah
Assistant Professor, Dept. of Mathematics, Bahona College, P.O: Bahona, Jorhat
5. Development of novel cellulose-ceramic nanofiber based biodegradable polymer electrolytes for Li-ion batteries
PI: Dr. Madhuryya Deka
Assistant Professor, Dept. of Physics, Kaziranga University, Jorhat, Assam
6. Technology development of vinegar production from traditional fruits Leteku (Baccaureamotleyana), Kordoi (Averrhoacarambola), Poniyal (Flacourtiajngomas) of Assam
PI: Utpal Bora

Professor of Biosciences and Bioengineering, Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati

7. Nanocellulose reinforced sericin-polysaccharides composite films for food packaging applications
PI: Dr. Gitanjali Majumdar
Associate Professor, Department of Chemistry, Assam Engineering College
8. A system design and research on traditional crafts for the urban accessory market using weaving and braiding techniques by extraction of natural fibers from water hyacinth
PI: Sumit Baruah,
HERB SHG, 1 No. Bohikhuwa, Bokakhat, Golaghat
9. Development of Grain Bins with Storage Pests Control with Modified Atmosphere at village level
PI: Mr. Amar Jyoti Chamuah (B.Sc. Agriculture, M.Sc. Sustainable Development), Grameen Sahara, Chhaygaon
10. Generation of multivalent vector vaccine against lumpy skin disease in cattle and evaluation of its immunogenic potency
PI: Dr. Biswajyoti Borah
Assistant Professor, Department of Animal Biotechnology, College of Veterinary Science, Khanapara
11. Intelligent Video Analytics
PI: Basab Das,
Assistant Professor, Dept. of ECE, GIMT, Ghy
12. Design and development of portable low cost induction heating furnace for bell metal industry of Assam
PI: Dr. Bipul Das
Department of Mechanical Engineering, National Institute of Technology, Silchar, Assam
13. Design and development of a low cost computerized garment cutting machine
PI: Dr. Riku Chutia
Asst. Professor, Dept. of Electronics and Communication Engineering, Tezpur University
14. Development of a nanotechnology based system for estimating and monitoring pesticide level in tea leaves
PI: Prof. Sunandan Baruah,
Dean, Faculty of Engineering and Technology, Assam down town University, Panikhaiti, Guwahati
15. Design and Development of a Low Cost Mobile Ventilator
PI: Dr. Tridip Jyoti Borah,

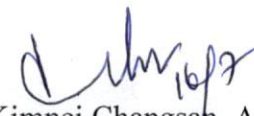
Assistant Professor, Anesthesiology, Critical Care, Pain & Palliative Medicine, Dr. Bhubaneswar
Borooah Cancer Institute, Guwahati

16. Complete machinery for bamboo shoot processing unit: Washing Machine, Mixing Machine,
Cutting Machine & Solar Dryer
PI: Pranjal Kr. Goswami
Innovator, Jeerani, H. No.2, Pragjyotish Nagar, Jalukbari

✓ 
(Smt. Kimnei Changsan, ACS)
Director, ASTE Council

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