



सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

विज्ञान एवं प्रौद्योगिकी विभाग

DEPARTMENT OF SCIENCE AND TECHNOLOGY



Augmenting Writing Skills for Articulating Research

AWARD 2019



राष्ट्रिय प्रौद्योगिकी संचार परिषद NCSTC

www.awsar-dst.in



VIGYAN PRASAR
विज्ञान प्रसार





(Augmenting Writing Skills for Articulating Research)

Unleash the Spirit of Science Communication

अवसर (शोध की अभिव्यक्ति के लिए लेखन कौशल), विज्ञान एवं प्रौद्योगिकी विभाग (डीएसटी), भारत सरकार की एक पहल है। इसका उद्देश्य भारत में विज्ञान, प्रौद्योगिकी और नवोन्मेष के क्षेत्र में पीएचडी शोध छात्रों और पोस्ट-डॉक्टरल फ़ैलो द्वारा वैज्ञानिक शोधों की जानकारी का प्रसार लोकप्रिय विज्ञान लेखन प्रारूप में किया जाना है।



AWSAR (Augmenting Writing Skills for Articulating Research)

is an initiative of Department of Science and Technology (DST), Government of India. It attempts to disseminate Indian research in Science, Technology & Innovation being pursued by Phd Scholars and Post Doctoral Fellows in popular science writing format.





AWSAR Awardee
(Post Doctoral Fellow Category)

Dr Chandran Rethnaraj, is a Post Doctoral Fellow from Marine Biology Regional Station, Zoological Survey of India, Chennai, pursuing his research on “Resilience Assessment and Identifying Local ‘Stock Reefs’ a Novel Proactive Management Approach on India’s Coral Reefs Conservation, In Response to the Ever Increasing Global Warming”. He has 19 years’ experience on coral reefs of India. He has published more than 28 research papers on national and international journals/books.

About AWSAR story:

He has got the opportunities to study the status of all the coral reef regions along the mainland coasts of India. This driven him to think of conserving the coral reefs wealth of our country. His popular science story entitled “Save Coral Reefs, The Paradise on Earth to Save Ourselves” describes a science-based novel and systematic approach which can make our coral reef resources sustain for our and forthcoming generations.



Dr Chandran Rethnaraj
Post Doctoral Fellow

**OUTSTANDING
STORY**



Dr Joyita Sarkar
Post Doctoral Fellow

**OUTSTANDING
STORY**

Dr Joyita Sarkar, is a Post Doctoral Fellow from the Department of Physics, Savitribai Phule Pune University. She is experienced in the multidisciplinary areas of biotechnology, chemistry and material sciences, and has applied her knowledge to work in biomaterials, drug screening and chromatography. She has published eight research articles in international journals and has presented her work in many national and international conferences.

About AWSAR story:

Her popular science story entitled “Coming Soon: Animal Model-Free System for Pharmaceutical Testing” is a story that portrays a small step towards artificial organs. “A large number of animals being sacrificed to discover medicines” have been her major driving force. Her work has unfolded that how important is it to mimic the conditions inside the human body in the laboratory to develop an animal-free system.





**AWSAR Awardees
(PhD Category)**

Ms. S. Chris Felshia, PhD Scholar from CSIR-Central Leather Research Institute, Chennai, is pursuing her research on “Microbial Mediated Management of Phenol and its Derivatives in Aqueous and Soil Phase: An Approach using free and Encapsulated Cells”. Her research findings are published in International journals and also presented at various National and International conferences.



Ms. S. Chris Felshia
Phd Scholar

About AWSAR story:

The story entitled “Baci: The Fight for Earth” is a story, which details the environmental pollution and its impact. In brief, a horrendous incident happened after the industrialisation and globalisation and its call pollution by chemicals which are let-out of the industry. Day by day its effect was turning fatal to the environment because of the huge amount of usage. The story describes the meeting between Chris and Baci, and the efforts to combat the effect of the chemicals, protecting the environment and humanity.

1st
Prize





Anand Abhishek
Phd Scholar

2nd
Prize

Mr. Anand Abhishek, Phd scholar under the Academy of Scientific and Innovative Research (AcSIR) at CSIR-Central Electronics Engineering Research Institute, Pilani. He has work in the field of high-frequency converter design, digital control design and embedded solutions for renewable resources-based power generation. He has published more than ten research papers in various National and journals.

About AWSAR story:

His popular science story entitled “Empowering Rural India with Decentralized Energy Systems” narrates the grass-root problems of electricity in rural India and a possible solution through DC microgrid. In a usual train journey, he found a striking insight into the crisis of electricity in the countryside. Under the ever-lasting impact of that journey, he started dwelling on the possible causes and solutions for rural electrification. This led him to develop renewable energy-based DC microgrid with power-sharing capability among houses for extra-power demand.

Mr. Sayantan Sur, Phd scholar at Department of Zoology, University of Delhi. His primary research focus is to unravel and understand the mechanistic details of temperature modulated changes in the physiology of migratory finches. He has published two papers in peer-reviewed journals, participated in national and international conferences and has worked at Salk Institute under the Indo-US exchange program.



Sayantan Sur
Phd Scholar

About AWSAR story:

His popular science story entitled “A Century of Global Warming and its Impact on Bird Migration”, recounts how the changes in ambient temperature might affect the general physiology of birds. His published article highlighted the involvement of a key temperature sensing the molecule, TRPM8 in altering the seasonal reproduction; whereas other published article showed for the first time how temperature might affect metabolism at the gene level in a migratory finch.

2nd
Prize



Anirban Sarkar
Phd Scholar

3rd
Prize

Mr. Anirban Sarkar, PhD scholar at Chittaranjan National Cancer Institute (CNCI), Kolkata, is pursuing his research on “Immunometabolism in cancer and its modulation by Neem leaf glycoprotein (NLGP)”. He has one research paper in an international journal to his credit.

About AWSAR story:

His popular science story entitled ‘Guardian of the Malady’ is a conversation between him and his curious teenage cousin brother, discussing cancer, how it initiates and progresses, and different approaches to counteract the disease. It details the immunotherapeutic approach to treat cancer by using a naturally derived product named Neem leaf glycoprotein (NLGP), a promising, economic, nontoxic, immunomodulator in a simpler language to understand. Title and references from popular Marvel Comic Movies make his narration very witty and interesting.

Mr. Chitrang Dani, PhD research scholar at Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru. He is a curious and aspiring chronobiologist, studying the evolution of circadian rhythms of fruit-flies *Drosophila melanogaster* in natural conditions. Apart from his academic work, he is interested in science and nature photography and in popularising circadian biology and scientific thinking among common people.



Chitrang Dani
Phd Scholar

About AWSAR story:

His popular science story entitled “Out of the Lab: a Clock Conversation” is an informal dialogue between him and his cousin which is an amalgam of a few real conversations. Chitrang got interested in rhythms and chronobiology by wondering about the same fundamental questions which his cousin asks and as the conversation progresses, he seems to be reliving the curiosity.

3rd
Prize





M. L. Bhavya
Phd Scholar

3rd
Prize

Mrs. M. L. Bhavya, PhD Scholar at CSIR-Central Food Technological Research Institute, Mysuru, India. She is passionate about taking up challenging research problems and tasks associated with food science and technology in particular. She has research experience in the field of food safety and food processing by exploring the effects and efficiency of non-thermal preservation technology. She has also published seven research papers in peer-reviewed international journals and presented her research work in various National and International conferences.

About AWSAR story:

Her popular science story entitled “Lights! Sound! Action! - Germ killer light and sound make food safe” is a story which narrates how we can inactivate disease-causing microorganisms in food using cold techniques. In the story, two bacteria discuss strategies to avoid the dangers of novel decontamination techniques, namely the use of light and ultrasound for food decontamination.



AWSAR Awardees (PDF Category)

AWARDEES OF BEST STORIES

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Dr Madhuree Kumari, Post Doctoral Fellow from Indian Institute of Science, Bengaluru, is pursuing her research on “Impact of Nanotized Drug(s) Isolated from Endophytic Fungi on Mechanism of Cell Death and Signalling Pathway in Cancer Cells”. Her popular science story entitled “The Journey of a Fungal Endophyte: from Host to Human Health Welfare” has been selected for AWSAR Award.

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Dr Aditya Parekh, Post Doctoral Fellow from National Center for Biological Sciences, Bengaluru, is pursuing his research on “Transcriptional Regulation in Muscles”. His popular science story entitled “Multi-Nucleated Cells use ROS to Induce Breast Cancer Chemo-Resistance in vitro and in vivo” has been selected for AWSAR Award.

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Dr Harshini Chakravarthy, Post Doctoral Fellow from Indian Institute of Science Education and Research, Tirupati, is pursuing her research on “Molecular Mechanisms Mediating Diabetic Retinal Neurodegeneration: Role of Cell Adhesion Molecules”. Her popular science story entitled “Neuronal Degeneration in the Diabetic Eye” has been selected for AWSAR Award.

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Dr Parul Sood, Post Doctoral Fellow from Indian Institute of Science Education and Research, Pune, is pursuing her research on “An in vitro Screen to Identify Potential Vesicular Trafficking Players in *Caenorhabditis elegans*”. Her popular science story entitled “Traffic Jams in the Brain” has been selected for AWSAR Award.

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Dr Balaram Mohapatra, Post Doctoral Fellow from Indian Institutes of Technology, Bombay, is pursuing his research on “Aromatics and Plastic Biodegradation and Metabolic Engineering”. His popular science story entitled “Geo-Microbiology of Arsenic (As) Calamity in the Gangetic Bengal Plain: A Decade of Investigation and Promises for Providing Safe Drinking Water” has been selected for AWSAR Award.

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Dr Parmeshwar Prasad, Post Doctoral Fellow from Indian Institute of Science, Bengaluru, is pursuing his research on “Nano Electro Mechanical System”. His popular science story entitled “Playing a Nano Drum” has been selected for AWSAR Award.

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Dr Himanshi Kapoor, Post Doctoral Fellow from CSIR-Institute of Genomics and Integrative Biology, Delhi, is pursuing her research on “Nuclear Mitochondrial Cross-Talk”. Her popular science story entitled “The Victory of Good over Evil: A Cellular Ramayana” has been selected for AWSAR Award.

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Dr Sripriya Rengaraju, Post Doctoral Fellow from Indian Institute of Technology, Madras, is pursuing her research on “Corrosion Testing Methods and Service Life Estimation of Highly Resistive Concrete Systems”. Her popular science story entitled “Corrosion Free Structures - Is it a Dream or Reality?” has been selected for AWSAR Award.

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Dr Debostuti Ghoshdastidar, Post Doctoral Fellow from Indian Institute of Science, Bengaluru, is pursuing her research on “Reading DNA in Context - Effect of Motif Environment on Transcription Factor Binding”. Her popular science story entitled “Transcription Factors: The Bookmarks of our Genome Book” has been selected for AWSAR Award.

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Dr Nihit Saigal, Post Doctoral Fellow from Indian Institute of Science, Bengaluru, is pursuing his research on “Optical Spectroscopy of Nanomaterials”. His popular science story entitled “Directing Light using Tiny Bubbles: Towards Low-Power Light-Based Computers” has been selected for AWSAR Award.

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Dr Sirisha Boddapati, Post Doctoral Fellow from Indian Institute of Technology, Madras, is pursuing her research on “Production and Application of Microbial Mutanase for Prevention and Reduction of Dental Plaques”. Her popular science story entitled “The Story Behind a Beautiful Smile” has been selected for AWSAR Award.

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Dr Arun Kumar, Post Doctoral Fellow from Central Research Institute of Homoeopathy, NOIDA, is pursuing his research on “Genoprotective Efficacy of Homeopathic Drugs against Chemically Induced DNA Damage in Lymphocytes”. His popular science story entitled “प्राकृतिक प्रतिआक्सिकरणों (एंटीऑक्सीडेंट) द्वारा परमाणु आपदा प्रबंधन में भारत की तैयारियों को एक नई दिशा” has been selected for AWSAR Award.

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Dr Raviteja S, Post Doctoral Fellow from Indian Institute of Technology, Madras, is pursuing his research on “Internal Combustion Engines”. His popular science story entitled “Drone Engine Enhancement for Military Applications” has been selected for AWSAR Award.

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Dr Viji Vijayan, Post Doctoral Fellow from National Institute of Immunology, Delhi, is pursuing her research on “Mechanisms by which Bone Proteins Influence Abeta42 Aggregation, Amyloid Deposition and Immune Response in Mouse Models of Alzheimer’s Disease”. Her popular science story entitled “How a Harmonious Relationship between Brain and the Bone can Keep Alzheimer’s Disease at Bay” has been selected for AWSAR Award.

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Dr Vaishali Verma, Post Doctoral Fellow from University of Delhi (South Campus), Delhi, is pursuing her research on “Development of Recombinant Therapeutic Antibodies against Different Targets”. Her popular science story entitled “Recombinant Therapeutic Antibodies - Ek Kadam Swasthya Ki Aur!” has been selected for AWSAR Award.

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Dr Dipak Gade, Post Doctoral Fellow from Department of Computer Science and Engineering, Quantum University, Roorkee, is pursuing his research on “A Study of Critical Role of Software Engineering with Special Emphasis on Digital and Information Communication Technologies, in Development of Smart Cities”. His popular science story entitled “Reinventing the Parking Experience through Smart Park Solution” has been selected for AWSAR Award.

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Dr Gayatribahen Joshi, Post Doctoral Fellow from Indian Institute of Technology, Gandhinagar, is pursuing her research on “Design Gold Nano-Structures Based Devices for Various Applications”. Her popular science story entitled “An Artificial Blue Leaf for a Greener Future” has been selected for AWSAR Award.

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Dr Vaishali Phatak Londhe, Post Doctoral Fellow from CSIR-North East Institute of Science and Technology, Jorhat, is pursuing her research on “Study of Spinterfaces in Organic Spin Valve Thin Films”. Her popular science story entitled “Organic Spintronics: Role of TiO₂ in OLED Fabrication for Display Technology” has been selected for AWSAR Award.

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Dr Alibha Rawat, Post Doctoral Fellow from Atal Bihari Institute of Good Governance and Policy Analysis, Bhopal, is pursuing her research on “Assessing the Usage of Non-Communicable Disease Clinics for Carcinoma Breast Screening Using Health-Belief Model in Select Districts of Madhya Pradesh”. Her popular science story entitled “Noninvasive Marker of Breast Cancer using Dermatoglyphics Tool of ATD Angle Measurement” has been selected for AWSAR Award.

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Dr Nandini B., Post Doctoral Fellow from CSIR-Central Food Technological Research Institute, Mysore, is pursuing her research on “Investigations on Signal Molecules Responsible for Host Susceptibility to Thrips (Thysanoptera) Infestations in Capsicum Species and its Effect on Carotenoids Content of Fruits and Capsaicin Production”. Her popular science story entitled “Nanotechnology: A Trojan Horse for Green Health Revolution” has been selected for AWSAR Award.

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Dr Paramvir Singh, Post Doctoral Fellow from Indian Institute of Technology, Bombay, is pursuing his research on “Lower Aromatic Fuels for Combustion Engines with an aim to Reduce Emissions and Fuel Consumption”. His popular science story entitled “Lower Aromatic Fuels for Combustion Engines with an Aim to Reduce Emissions and Fuel Consumption” has been selected for AWSAR Award.

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AWSAR Awardees (Phd Category)

AWARDEES OF BEST STORIES

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Ms. Dipita Ghosh, PhD Scholar from Indian Institute of Technology, Indian School of Mines, Dhanbad, is pursuing her research on “Application of Biochar for Ecological Restoration and to Enhance Carbon Sequestration in Coal Mine Degraded Land”. Her popular science story entitled “Biochar: can Black be the New Green?” has been selected for AWSAR Award.

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Mr. Avinash Ingle, PhD Scholar from Indian Institute of Technology, Bombay, is pursuing his research on “Development of Corrosion Resistant Coatings for Fuel Cells”. His popular science story entitled “The Curious Case of Hydrogen Fuel Cells” has been selected for AWSAR Award.

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Mr. Khandekar Jishan Bari, PhD Scholar from Tata Institute of Fundamental Research, Telangana, is pursuing his research on “Biomolecular NMR Studies on G57W Mutant of Human γ S-Crystallin and its Role in Dominant Congenital Cataract”. His popular science story entitled “A Dialogue in the Dark” has been selected for AWSAR Award.

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Ms. Subhadra M., PhD Scholar from Alagappa University, Tamil Nadu, is pursuing her research on “Understanding the Disease-Related Genes and Proteins using *Caenorhabditis elegans* as a Model Organism”. Her popular science story entitled “Tug of War Between Diabetes and Obesity - Just a Glimpse” has been selected for AWSAR Award.

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Mr. Bhanu Kumar, PhD Scholar from CSIR-National Botanical Research Institute, Lucknow, is pursuing his research on “Studies on Chemotypic Variations and Acaricidal Potential of *Ageratum conyzoides* L. Germplasms collected from Different Phytogeographical Zones of India”. His popular science story entitled “Jungli Pudina: from Weed to Wonderful Remedy” has been selected for AWSAR Award.

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Ms. Dyana Joseline, PhD Scholar from Indian Institute of Technology, Madras, is pursuing her research on “Electrochemical Characterization and Corrosion Assessment of Prestressed Concrete Structures”. Her popular science story entitled “The Sky is Falling!” has been selected for AWSAR Award.

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Mr. Pranav Kherdekar, PhD Scholar from Indian Institute of Technology, Delhi, is pursuing his research on “Cleanup of Syngas Derived from Low-Grade Coal for Methanol Production”. His popular science story entitled “Methanol Production from Indian Coal: the Inescapable Bridge of Syngas Cleanup” has been selected for AWSAR Award.

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Ms. Sumedha Sharma, PhD Scholar from Indian Institute of Technology, Delhi, is pursuing her research on “Development of Optimization Algorithms for Energy Management in Smart Buildings”. Her popular science story entitled “From Houses to Powerhouses- the Story of Transitioning India to Smart Buildings” has been selected for AWSAR Award.

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Mr. Tirtharaj Dash, PhD Scholar from K. K. Birla Goa Campus (BITS Pilani), Goa, is pursuing his research on “Search as a Game in Machine Learning”. His popular science story entitled “Let’s Build Intelligent Machines with Hide-and-Seek” has been selected for AWSAR Award.

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Mr. Gaurav Bansal, PhD Scholar from CSIR-National Metallurgical Laboratory, Jamshedpur, Jharkhand, is pursuing his research on “Development of Low Carbon Bainitic Steels”. His popular science story entitled “Overcoming the Strength-Ductility Trade-off in Low Alloy Steel for Superior Performance” has been selected for AWSAR Award.

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Mr. Himanshu Joshi, PhD Scholar from National Institute of Mental Health and Neurosciences, Bengaluru, is pursuing his research on “Functional Connectivity in Mild Cognitive Impairment and Alzheimer’s Disease an fMRI and MEG Study”. His popular science story entitled “Reminding those who Fail to Remember” has been selected for AWSAR Award.

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Mr. Sunil Abraham, PhD Scholar from Madurai Kamaraj University, Tamil Nadu, is pursuing his research on “Studies on Growth Factors in Angiogenesis”. His popular science story entitled “Vascular Endothelial Growth Factor (VEGF) in Endometrium- Canal for the Generation of Next Generation” has been selected for AWSAR Award.

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Ms. Indu V., PhD Scholar from LBS Centre for Science and Technology, Nandavanam, Kerala, is pursuing her research on “Countering Semantic Attacks in Social Networks”. Her popular science story entitled “Fake News Identification in Online Social Networks” has been selected for AWSAR Award.

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Ms. Mahima Sharma B. S., PhD Scholar from Indian Institute of Technology, Madras, is pursuing her research on “Biomedical Polarimetry”. Her popular science story entitled “Polarized to Converge Light, Medicine and Lives” has been selected for AWSAR Award.

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Mr. Omkar Hegde, PhD Scholar from Indian Institute of Science, Bangalore, is pursuing his research on “Vapor Mediated Interactions in Droplets”. His popular science story entitled “Tiny Droplets Bring Big Benefits” has been selected for AWSAR Award.

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Mr. Rajeev Rajak, PhD Scholar from Sikkim University, Sikkim, is pursuing his research on “Evolution and Assessment of Glacial Lakes Prone to Glacial Lake Outburst Floods (GLOF) In Sikkim Himalaya”. His popular science story entitled “Ticking Time Bombs of Himalayas” has been selected for AWSAR Award.

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Ms. Mamta Thakur, PhD Scholar from Sant Longowal Institute of Engineering and Technology, Punjab, is pursuing her research on “Characterization and Utilization of Bee Pollen to Develop Functional Milk Powder”. Her popular science story entitled “Bee Pollen: a Wholesome Food from Bee to We” has been selected for AWSAR Award.

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Mr. Rohit Kannattukunnel, PhD Scholar from Datta Meghe Institute of Research, Maharashtra, is pursuing his research on “Investigating Effectiveness of 3D Printing Technologies for Building Efficiencies in Engineering Industries”. His popular science story entitled “3D Printing, it’s Just Like Magic!!” has been selected for AWSAR Award.

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Mr. Aliarshad Kothawala, PhD Scholar from Indian Institute of Technology, Madras, is pursuing his research on “High-Intensity Focused Ultrasound”. His popular science story entitled “Sound- it Shows-it Cures” has been selected for AWSAR Award.

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Ms. Anju S., PhD Scholar from Osmania University, Telangana, is pursuing her research on “Evaluation of Biofilm Dispersal Activity by Metal Nanoparticles Fabricated with Phytochemical Quorum Sensing Inhibitors using Nanotechnological Approaches”. Her popular science story entitled “Conquering Biofilms! - Nanobiotics vs Antibiotics” has been selected for AWSAR Award.

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Mr. Jervis Fernandes, PhD Scholar from Indian Institute of Science Education and Research, Thiruvananthapuram, Kerala, is pursuing his research on “The Role of miR-184 in Neuronal Excitability in *Drosophila*”. His popular science story entitled “The Science of Waking up” has been selected for AWSAR Award.

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Ms. Mithra K., PhD Scholar from National Institute of Technology, Rourkela, is pursuing her research on “Diffusion Dynamics in Hydrogels”. Her popular science story entitled “Hydrogel Knowledge Helps Solve a Case” has been selected for AWSAR Award.

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Ms. Nimisha Roy, PhD Scholar from Indian Institute of Information Technology, Allahabad, is pursuing her research on “Liver-on-Chip”. Her popular science story entitled “From Chips in Organs to Organ-on-Chip: a Potential Alternative to Animal Testing” has been selected for AWSAR Award.

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Mr. Chandra Shekhar Singh, PhD Scholar from Delhi Technological University, Delhi, is pursuing his research on “Biodiesel Production through SCF Method”. His popular science story entitled “बायो डीजल से आत्मनिर्भरता की ओर एक प्रयास” has been selected for AWSAR Award.

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Mr. Sidhartha Rout, PhD Scholar from Indraprastha Institute of Information Technology, Delhi, is pursuing his research on “Design for Debug for Future Many-Core Systems”. His popular science story entitled “Efficient Post-Silicon Debug Platforms for Future Many-Core Systems” has been selected for AWSAR Award.

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Mr. Aakash Agrawal, PhD Scholar from Indian Institute of Science, Bangalore, is pursuing his research on “Orthographic Processing in the Brain”. His popular science story entitled “How did your Brain Just Read This Sentence?” has been selected for AWSAR Award.

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Ms. Priyanka Jain, PhD Scholar from Kavayitri Bahinabai Chaudhari North Maharashtra University, Maharashtra, is pursuing her research on “Preksha: a Hindi Text Visualizer”. Her popular science story entitled “Preksha: a Hindi Text Visualizer” has been selected for AWSAR Award.

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Ms. Samatha Mathew, PhD Scholar from CSIR- Institute of Genomics and Integrative Biology, Delhi, is pursuing her research on “Long non Coding RNA Mediated Regulation of Blood Vessel Integrity in Zebrafish”. Her popular science story entitled “A Stripy Hand to Get the Flow” has been selected for AWSAR Award.

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Ms. Taiyaba Ansari, PhD Scholar from Govt. Holkar Science College, Devi Ahilya University, Madhya Pradesh, is pursuing her research on “Eco-friendly Dyeing on Textile Material by using a Combination of Natural Mordants with Banana Pseudostem sap”. Her popular science story entitled “Eco-friendly Dyeing: Nature’s Gifts to Save Nature” has been selected for AWSAR Award.

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Ms. Aashna Sharma, PhD Scholar from Panjab University, Chandigarh, is pursuing her research on “The Potential Impacts of Climate Change on Response and Interaction of Native and Non-Native Trout Populations in Selected Riverscapes of Indian Himalayan Region”. Her popular science story entitled “Rekindling Forgotten Ecological Principles: When an Undammed River Taught a Lesson!” has been selected for AWSAR Award.

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Ms. Ankita Rathore, PhD Scholar from CSIR- National Institute of Science Communication and Information Resources, Delhi, is pursuing her research on “Science Communication and Social Media”. Her popular science story entitled “Little Magnetic Microorganisms Treating Deadly Brain Tumor: my Science Communication Journey” has been selected for AWSAR Award.

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Ms. Sapna I., PhD Scholar from CSIR- Central Food Technological Research Institute, Mysuru, is pursuing her research on “Nutraceutical Components and Biopotency of Bioprocessed Pigmented Rice Bran”. Her popular science story entitled “Boosting the Superpower of Rice Bran through Enzymatic Bioprocessing” has been selected for AWSAR Award.

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Ms. Supriya Bharte, PhD Scholar from Narsee Monjee Institute of Management Studies, Maharashtra, is pursuing her research on “Enhancement of Biofuel Production from Microalgae”. Her popular science story entitled “Microalgae - a Major Alternative Source of Biofuel” has been selected for AWSAR Award.

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Ms. Suvarna Kadam, PhD Scholar from Savitribai Phule Pune University, Maharashtra, is pursuing her research on “Learning from few Samples: A Generative Approach”. Her popular science story entitled “Teaching the Machines: an Art of Learning from just a few Samples” has been selected for AWSAR Award.

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Mr. Mitul Srivastava, PhD Scholar from Delhi Pharmaceutical Sciences and Research University, Delhi, is pursuing his research on “Protein Structural Dynamics and Allostery”. His popular science story entitled “Molecular Dynamics Simulation Reveals the Possible Druggable Hot-Spots of USP7” has been selected for AWSAR Award.

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Ms. Samipta Singh, PhD Scholar from Babasaheb Bhimrao Ambedkar University, Uttar Pradesh, is pursuing her research on “Development and Characterization of Surface Functionalized Breast Tumor Specific Nanoformulation(s)”. Her popular science story entitled “The Nanoparticulate Beauty and the Cancerous Beast” has been selected for AWSAR Award.

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Ms. Debasree Purkayastha, PhD Scholar from Indian Institute of Technology, Roorkee, is pursuing her research on “Waste Segregation and Treatment using Black Soldier Fly Treatment Technology”. Her popular science story entitled “Waste Management: a Dream of Million Hearts in India” has been selected for AWSAR Award.

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Mr. Jyotirmoy Paul, PhD Scholar from Indian Institute of Science, Bangalore, is pursuing his research on “Understanding Evolution of Cratons using Numerical Modeling”. His popular science story entitled “How did the Oldest Part of the Earth Still Survive Today?” has been selected for AWSAR Award.

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Mr. Nitheesh M. Nair, PhD Scholar from Indian Institute of Technology, Madras, is pursuing his research on “Printed Silver Nanowire-Based Flexible Transparent Conducting Electrodes”. His popular science story entitled “Silver-Based Nano Spider Webs for Flexible Displays” has been selected for AWSAR Award.

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Mr. Patanjali S.L.P.S.K., PhD Scholar from Indian Institute of Technology, Madras, is pursuing his research on “Hardware Security”. His popular science story entitled “Karna: Securing Digital Devices at Birth” has been selected for AWSAR Award.

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Ms. Keerthi K., PhD Scholar from Indian Institute of Technology, Madras, is pursuing her research on “Fault Analysis and Formal Verification”. Her popular science story entitled “The Future of Secrets” has been selected for AWSAR Award.

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Ms. Krishna Kumari, PhD Scholar from Amrita Vishwavidyapeetham, Coimbatore, is pursuing her research on “Reinforcement Learning Based Algorithm Development for Electric Vehicle Charging”. Her popular science story entitled “Adoption of Artificial Intelligence for Electric Vehicle Integration in Smart Cities.” has been selected for AWSAR Award.

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Mr. Abhijeet Anand, PhD Scholar from Indian Institute of Technology, Delhi, is pursuing his research on “Life Cycle Assessment of Biochar”. His popular science story entitled “बायोचार: कृषि, अर्थ-व्यवस्था और पर्यावरण का तालमेल” has been selected for AWSAR Award.

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Mr. Abhishek Kesarwani, PhD Scholar from Indian Institute of Technology, Madras, is pursuing his research on “Construction of MDS Diffusion Layer and Cryptanalysis of Some Stream Ciphers”. His popular science story entitled “My Journey in Labyrinths of Mathematics: the Security Key of Future” has been selected for AWSAR Award.

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Ms. Chinmayee Mishra, PhD Scholar from Indian Institute of Science Education and Research, Pune, is pursuing her research on “Theoretical Ultracold Atomic Physics”. Her popular science story entitled “Droplet’s Adventure in Quantumland” has been selected for AWSAR Award.

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Mr. Gaurav Hedau, PhD Scholar from Indian Institute of Technology, Bombay, is pursuing his research on “Heat Transfer Enhancement by two Phase Boiling in Nanostructured Microchannel”. His popular science story entitled “Ways to Become Cooler and More Stable- an Efficient Flow Boiling Heat Transfer Through Microchannel” has been selected for AWSAR Award.

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Mr. Nettimi Satya Sai Srinivas, PhD Scholar from National Institute of Technology, Puducherry, is pursuing his research on “FPGA Prototype for Automatic Speech Recognition System using Machine Learning-Based Classification Algorithms”. His popular science story entitled “Automatic Spoken Language Recognition Systems for Indian and Oriental Languages using Digital Speech Signal Processing and Machine Learning Approaches” has been selected for AWSAR Award.

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Mr. Pranesh Chandrasekaran, PhD Scholar from M. S. Ramaiah University of Applied Sciences, Karnataka, is pursuing his research on “Aerodynamic Shape Optimisation of Fixed Wings at Low Reynolds Numbers with Flow Transition for Micro-Air Vehicle Applications”. His popular science story entitled “Techniques Based on Darwin’s Theory of Natural Selection for Designing Wing Geometries for Micro-Air Vehicle Applications” has been selected for AWSAR Award.

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Mr. Viney Ghai, PhD Scholar from Indian Institute of Technology, Ropar, is pursuing his research on “Light-Harvesting Materials”. His popular science story entitled “A Black Hole of Carbon Nanotubes for Defence to Energy Harvesting” has been selected for AWSAR Award.

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Mr. Andrew Peter Leon M.T., PhD Scholar from Centre for Plant Breeding and Genetics, Tamil Nadu, is pursuing his research on “Genome Engineering for Development of Thermosensitive Genic Male Sterility in Rice - Suitable for two Line Super Hybrid Rice Production”. His popular science story entitled “Genome Editing in Rice-Ensuring Food Security” has been selected for AWSAR Award.

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Ms. Dhanya T. M., PhD Scholar from Indian Institute of Technology, Bombay, is pursuing her research on “Response of Carbon Fiber Reinforced Polymers to Lightning Strike”. Her popular science story entitled “How do to how does Lightning Affect Aircrafts and Windturbines?” has been selected for AWSAR Award.

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Ms. Oyahida Khatun, PhD Scholar from Indian Institute of Science, Bangalore, is pursuing her research on “Influenza Virus”. Her popular science story entitled “Peeping into the Dressing Room of Influenza a Virus” has been selected for AWSAR Award.

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Ms. Sreyashi Bhowmick, PhD Scholar from Jadavpur University, West Bengal, is pursuing her research on “Fabric Analysis and Tectonic Stress Determination in the Rocks of Chitradurga Region, Dharwar Craton, South India-Implications for Vein Emplacement”. Her popular science story entitled “Veins are not in Vain!” has been selected for AWSAR Award.

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Mr. V. Srinivasa Rao, PhD Scholar from Birla Institute of Technology and Science Pilani, Hyderabad Campus, Telangana, is pursuing his research on “Synthesis and Evaluation of Phytochemical - Metformin Conjugates for Ameliorating the Clinical Symptoms of Metabolic Syndrome in Diet-Induced Experimental Obesity”. His popular science story entitled “Development of a Simple and Cost-Effective Point of Detection Device (PODD) to Estimate Morpholine Content in Coated Fruits and Vegetables” has been selected for AWSAR Award.

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Ms. Debika Ojha, PhD Scholar from CSIR-Central Food Technological Research Institute, Mysore, is pursuing her research on “Molecular Characterisation of *Listeria Monocytogenes* RecA, SSB and RecX Proteins: Implications in Homologous Recombination and Antibiotic Resistance”. Her popular science story entitled “Taking on Superbug” has been selected for AWSAR Award.

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Mr. Nishant Shakya, PhD Scholar from Indian Institute of Technology, Ropar, is pursuing his research on “Non-Linear Coupling Behavior of Anisotropic and Inhomogeneous Beams and Plates”. His popular science story entitled “Anisotropy and Inhomogeneity-Hidden Potential of Engineering Materials” has been selected for AWSAR Award.

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Mr. Ajinkya Sirsat, PhD Scholar from Indian Institute of Technology, Ropar, is pursuing his research on “Micro-Mechanic of Smart Composite Structures in Stochastic Framework”. His popular science story entitled “Structural Health Diagnostic Equipment” has been selected for AWSAR Award.

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Ms. Reema Narayan, PhD Scholar from Manipal College of Pharmaceutical Sciences, Karnataka, is pursuing her research on “Nanoparticulate Systems for the Treatment of Cancer”. Her popular science story entitled “Nose to Brain Delivery of Liposomes: a Ray of Hope for Schizophrenia” has been selected for AWSAR Award.

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Mr. Shanay Rab, PhD Scholar from CSIR-National Physical Laboratory, Delhi, is pursuing his research on “Design, Development and Analysis of Pressure Calibrator and Associated High-Pressure Accessories”. His popular science story entitled “उच्च दाब का सटीक मापन: मूल परिभाषा से उद्योग जगत तक” has been selected for AWSAR Award.

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Ms. Smita Patil, PhD Scholar from Indian Institute of Technology, Delhi, is pursuing her research on “Controlling Stem Cell Differentiation for Tissue Engineering”. Her popular science story entitled “Now Silk can also be Worn by Stem Cells to Express themselves and Differentiate!” has been selected for AWSAR Award.

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Ms. Sujaya Dasgupta, PhD Scholar from Fergusson College, Maharashtra, is pursuing her research on “Design and Development of Wireless Sensor Nodes and Study of their Adaptibilities for Quality Monitoring of Water Reservoir”. Her popular science story entitled “IoT Based Real-Time Water Quality Monitoring System” has been selected for AWSAR Award.

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Mr. Debprasad Dutta, PhD Scholar from National Institute of Mental Health & Neurosciences, Karnataka, is pursuing his research on “Guillain Barre Syndrome: Comprehensive Profiling of Infectious Triggers, Genetic Predisposition, Ganglioside & Ganglioside Complex Autoantibodies”. His popular science story entitled “Why can’t I Feel my Feet? : Antibodies Playing on Nerve Floor” has been selected for AWSAR Award.

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Mr. Jithin Vishnu, PhD Scholar from Vellore Institute of Technology, Tamil Nadu, is pursuing his research on “Surface Modification of Titanium Alloys for Biomedical Applications”. His popular science story entitled “Nano-Army and the Bacterial Downfall” has been selected for AWSAR Award.

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Ms. Jyoti Tiwari, PhD Scholar from the University of Lucknow, Uttar Pradesh, is pursuing her research on “Effect of Sleep on Immune Responses in Birds”. Her popular science story entitled “Dynamic Changes in Sleep Distribution Helps in Nocturnal Flight of Migratory Buntings” has been selected for AWSAR Award.

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Ms. Kirti Gupta, PhD Scholar from Tata Institute of Fundamental Research, Mumbai, is pursuing her research on “Role of Myosin Vb ExonD Isoform in Compensatory Cell Size Increase in Zebrafish Periderm”. Her popular science story entitled “Sizing Up” has been selected for AWSAR Award.

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Ms. Leena Fageria, PhD Scholar from Birla Institute of Technology and Science, Pilani, Rajasthan, is pursuing her research on “To Study Alterations in Signaling Pathways of Cancer Cells by Different Types of Nanoparticles and how they can be used as a Theranostic Agent”. Her popular science story entitled “Silver is the New Gold” has been selected for AWSAR Award.

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Ms. Medha Dandu, PhD Scholar from Indian Institute of Science, Bangalore, is pursuing her research on “Engineering Charge and Energy Transport in Heterostructures of 2D Materials for Efficient Optoelectronic Devices”. Her popular science story entitled “A Tale of Hidden Treasures at the Junctions in the Flatland” has been selected for AWSAR Award.

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Mr. Raj Kamal Yadav, PhD Scholar from the University of Allahabad, Uttar Pradesh, is pursuing his research on “Synthesis Characterization and Application of ZnO Nanoparticles in Dye-Sensitized Solar Cells”. His popular science story entitled “Dye-Sensitized Solar Cells: An Opportunity to Achieve Low-Cost Clean Energy” has been selected for AWSAR Award.

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Mr. Sachin Shetty, PhD Scholar from Manipal College of Health Professions, Karnataka, is pursuing his research on “Modulatory Effects of Mito-Tempo and Piperine in Mouse Model of N-Nitrosodiethylamine-Induced Hepatocarcinogenesis”. His popular science story entitled “How could have I Prevented Mitochondrial Oxidative Stress??” has been selected for AWSAR Award.

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Mr. Ajin Joy, PhD Scholar from Indian Institute of Information Technology and Management, Kerala, is pursuing his research on “Robust Approaches to Non-Linear Diffusion Based Compressed Sensing in Parallel MRI”. His popular science story entitled “A Diamond in the Rough” has been selected for AWSAR Award.

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Mr. Anirban Basu, PhD Scholar from the University of Hyderabad, Telangana, is pursuing his research on “Interactions Between Plant Growth Promoting Rhizobacteria and Rest of the Rhizosphere Microbiome of Pigeon Pea”. His popular science story entitled “Exploiting Microorganisms to Boost Pigeon Pea Production” has been selected for AWSAR Award.

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Ms. Ankeeta Amonkar, PhD Scholar from CSIR-National Institute of Oceanography, Goa, is pursuing her research on “Volcanogenic and Hydrothermal Evidence from the Central Indian Ocean Basin”. Her popular science story entitled “Unearthing Treasures from the Indian Ocean” has been selected for AWSAR Award.

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Mr. Chetan Agrawal, PhD Scholar from Institute of Infrastructure Technology Research and Management, Gujarat, is pursuing his research on “Design and Development of Sustainable Cryogenic Machining Facility for Heat Resistant Alloys and CFRP Composites”. His popular science story entitled “Indigenously Designed and Developed Cryogenic Machining Technology for Indian Manufacturing Industries” has been selected for AWSAR Award.

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Mr. Habeeb Rahman A.P, PhD Scholar from School of Biotechnology, Kalinga Institute of Industrial Technology, Odisha, is pursuing his research on “Sonophotocatalytic Process Mediated Elimination of Water-Borne Antimicrobial and Highly Virulent Bacteria in Engineered Water Bodies”. His popular science story entitled “Sonophotocatalysis- an Effective Way to Disinfect Pathogens from Engineered Water Bodies” has been selected for AWSAR Award.

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Mr. Mohd Moiz Khan, PhD Scholar from Indian Institute of Technology, Bombay, is pursuing his research on “Reclamation of Waste Foundry Sand”. His popular science story entitled “Innovative Sand Reclamation Technology for the Sustainable Growth of Foundries” has been selected for AWSAR Award.

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Ms. Nippatlapalli Narasamma, PhD Scholar from Indian Institute of Technology, Madras, is pursuing her research on “Industrial Wastewater Treatment using Electrochemical and Hybrid Treatment Techniques”. Her popular science story entitled “Complete Solution for Coloured Textile Effluent: a Closed Loop Approach for Wastewater Treatment (Reclamation) and Reuse” has been selected for AWSAR Award.

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Mr. Rahul Sheoran, PhD Scholar from Department of Physics, Panjab University, Punjab, is pursuing his research on “Acoustic Emissions Study of Snow to Quantify Instability”. His popular science story entitled “Saving our Saviours from Avalanche” has been selected for AWSAR Award.

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Ms. Sandhya R Shewale, PhD Scholar from CSIR-Central Food Technological Research Institute, Mysuru, is pursuing her research on “Integrated Electromagnetic Radiation Treatment and Low Humidity Air Drying of Apple and Rosemary for Improving Product Quality”. Her popular science story entitled “Cool, Cool Dried Apple!” has been selected for AWSAR Award.

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Mr. Ajay S. V., PhD Scholar from CSIR- National Institute For Interdisciplinary Science and Technology, Kerala, is pursuing his research on “Inventorisation of Dioxins and Dioxin Like Compounds from the Open Burning of Municipal Solid Wastes in India”. His popular science story entitled “All is Well in Metropolitan Cities? Deep Inside its Fuming!!!!” has been selected for AWSAR Award.

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Mr. Anoop Kadan, PhD Scholar from the Department of Computer Science, University of Calicut, Kerala, is pursuing his research on “Emotion Detection and Application in Fake News Detection”. His popular science story entitled “Affect-Oriented Fake News Detection Using Machine Learning” has been selected for AWSAR Award.

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Ms. Arpita Shome, PhD Scholar from Indian Institute of Technology, Guwahati, is pursuing her research on “Natural Ingredients Derived Bio-Inspired Interfaces with Special Wettability”. Her popular science story entitled “Cotton - the Trivialized Treasure” has been selected for AWSAR Award.

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Mr. Gaurav Kumar, PhD Scholar from Panjab University, Chandigarh, is pursuing his research on “Biosynthesis of Silver Nanoparticles Using Nitrate Reductase From *Penicillium oxalicum* GRS-1 and Evaluation of their Protective Efficacy Against Salmonella Infection in Murine Model”. His popular science story entitled “Biologically Synthesized Silver Nanoparticles the Next Generation Antimicrobials” has been selected for AWSAR Award.

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Mr. Mihil Surendran, PhD Scholar from Indian Institute of Technology, Madras, is pursuing his research on “Investigation of the Evaporation Behaviour of Droplets of Urea-Water-Solution Under Conditions Typical of a Diesel Engine’s Exhaust”. His popular science story entitled “Born From Diesel Fire...” has been selected for AWSAR Award.

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Ms. Shikha Binwal, PhD Scholar from Jamia Millia Islamia, Delhi, is pursuing her research on “Investigation of Plasma Dynamics in a Magnetized Capacitive Coupled Radio Frequency Discharge”. Her popular science story entitled “A Global Effort for Creating a Small Sun on Earth- the Iter Project” has been selected for AWSAR Award.

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Mr. Tanmoy Kundu, PhD Scholar from Indian Institute of Technology, Kanpur, is pursuing his research on “Energy-Aware Path and Task Planning for Mobile Robots using Formal Methods”. His popular science story entitled “Charging Station Placement for Indoor Robotic Applications” has been selected for AWSAR Award.

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Mr. Tomson Devis, PhD Scholar from Rajiv Gandhi Institute of Technology, Kerala, is pursuing his research on “Low Complexity Hearing Aid Design”. His popular science story entitled “Can You Hear Me?” has been selected for AWSAR Award.

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Mr. Amol Kulkarni, PhD Scholar from Dayanand College of Science, Maharashtra, is pursuing his research on “Studies on Development of Resistance to Quinolones in Gram Negative Bacterial Pathogens”. His popular science story entitled “Unlocking the Resistance Mechanism Puzzle for Better Treatment of Infections” has been selected for AWSAR Award.

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Mr. Anil Vishnu G. K., PhD Scholar from Indian Institute of Science, Bangalore, is pursuing his research on “Electro-Thermo-Mechanical Phenotyping of Breast Cancer: from onset through Disease Progression”. His popular science story entitled “A Portable Electronic Platform for Breast Cancer Diagnosis: Developing a New Class of Biomedical Systems” has been selected for AWSAR Award.

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Mr. Karthik Mahesh, PhD Scholar from Indian Institute of Science, Bangalore, is pursuing his research on “Microfluidic Impedance Spectroscopy”. His popular science story entitled “Rapid and Precise Electromechanical Diagnosis of Single Cells” has been selected for AWSAR Award.

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Ms. Krittika Sudhakar, PhD Scholar from Sastra Deemed to be University, Tamil Nadu, is pursuing her research on “Long Term Protein Restriction on the Physiology of *Drosophila melanogaster*”. Her popular science story entitled “Prioritizing between Eating Nutrient Restricted Food Versus less Food- does it Matter? Yes, it Does!” has been selected for AWSAR Award.

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Ms. Mrunal Barbhai, PhD Scholar from Professor Jayashankar Telangana State Agricultural University, Telangana, is pursuing her research on “Development of Designer Products by Incorporating Millet Bran and Assessing their Therapeutic Potential”. Her popular science story entitled “Bake Waste, Bake Taste, Bake Health.” has been selected for AWSAR Award.

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Ms. Prachi Gupta, PhD Scholar from ICFAI University, Uttarakhand, is pursuing her research on “Development of mm-Wave Microstrip Antenna Array with Improved Antenna Characteristics for 5G Applications”. Her popular science story entitled “5G: A One Step Forward to the Speed” has been selected for AWSAR Award.

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Ms. Suchismita Behera, PhD Scholar from Institute of Life Sciences, Bhubaneswar, is pursuing her research on “Identification and Characterization of Differentially Expressed Proteins During Rabies Pathogenesis”. Her popular science story entitled “Rabies- Removed or Re-Emerging !!!” has Ms for AWSAR Award.

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Ms. Anjali Garg, PhD Scholar from University of Delhi South Campus, Delhi, is pursuing her research on “Annotation of Protein Features Important for the Pathogen”. Her popular science story entitled “Exploring the Phenomenon of Molecular Mimicry for Drug Repurposing Against Autoimmune Diseases” has been selected for AWSAR Award.

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Ms. Rashmi Chawla, PhD Scholar from Deenbandhu Chhotu Ram University of Science and Technology, Haryana, is pursuing her research on “Optical Modelling and Simulation of Photo Voltaic Devices”. Her popular science story entitled “Smart Energy System: for Cooling Solar Panels” has been selected for AWSAR Award.

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Ms. Rasika Pawar, PhD Scholar from Smt. Chandibai Himathmal Mansukhani College, University of Mumbai, Maharashtra, is pursuing her research on “Studies on Biofilm Forming Lactic Acid Bacteria with Probiotic Potential”. Her popular science story entitled “A Gut Feeling: Could Salmonella Bacteria Kill Intestinal Tumors?” has been selected for AWSAR Award.

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Mr. Abrar Bhat, PhD Scholar from National Centre for Biological Sciences, Tata Institute for Fundamental Research, Bengaluru, is pursuing his research on “Understanding how the Plasma Membrane is Built and Organized from Active Principles, by Employing a Combination of Biochemical Reconstitution, Cell Culture and Quantitative Imaging”. His popular science story entitled “Learning by Building a Cell Membrane from Purified Components” has been selected for AWSAR Award.

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Ms. Aleena Alex, PhD Scholar from Indian Institute of Technology, Madras, is pursuing her research on “Development of a 3D Multiscale Materials Model for Hydrating Cement”. Her popular science story entitled “From Nano to Macro: the Multi-Scale Approach” has been selected for AWSAR Award.

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Ms. Amrita Chaudhary, PhD Scholar from Veer Bahadur Singh Purvanchal University, Uttar Pradesh, is pursuing her research on “Molecular Study of COMT Val158Met and DRD2 Polymorphisms in Eastern Uttar Pradesh Population”. Her popular science story entitled “A Ray of Hope for Uprooting Alcoholism from Society” has been selected for AWSAR Award.

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Mr. Bijoy Dey, PhD Scholar from Indian Institute of Science Education and Research, Madhya Pradesh, is pursuing his research on “Magnetic Bistable Molecules”. His popular science story entitled “The World at the Tip of a Needle” has been selected for AWSAR Award.

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Mr. Haseen Siddiqui, PhD Scholar from Indian Institute of Technology, Bombay, is pursuing his research on “Experimental and Modeling Study of Downdraft Gasification Process for High Ash Feed Stocks”. His popular science story entitled “From Waste to Value: use of Agro and Garden Waste for Gasification Based Community-Level Cooking” has been selected for AWSAR Award.

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Ms. Lipa Deb, PhD Scholar from College of Post-Graduate Studies in Agricultural Sciences, Central Agricultural University, Meghalaya, is pursuing her research on “Characterization of Native Fungal Entomopathogens and their Antagonism Against Major Plant Pathogens of Cereals”. Her popular science story entitled “Insect Killing Fungus: Friend or Foe to Agriculture” has been selected for AWSAR Award.

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Ms. Mahima Makkar, PhD Scholar from Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru, is pursuing her research on “Doped Quantum Dots, XAFS, Transient Absorption, Magnetic Nanomaterials, Magneto-Optics”. Her popular science story entitled “Nature’s Play in Dual Doping of Quantum Dots” has been selected for AWSAR Award.

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Ms. Malu S., PhD Scholar from Department of Astronomy, Osmania University, Telangana, is pursuing her research on “X-Ray and Optical Studies of Mass Accreting Binary Systems using ASTROSAT and Ground-Based Observatories”. Her popular science story entitled “A Sign of Three: Puzzle of an Unseen Body in Contact Binary Stars” has been selected for AWSAR Award.

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Ms. Puja Patel, PhD Scholar from Alagappa University, Tamil Nadu, is pursuing her research on “Molecular Insights of Platinum-Based Theranostic System Targeting Breast Cancer Cell Line(s)”. Her popular science story entitled “A Brief Tale of the Development of Platinum-Based Nano-Theranostic System Destined to Treat Breast Cancer” has been selected for AWSAR Award.

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Mr. Rajat Kumar, PhD Scholar from Sant Longowal Institute of Engineering and Technology, Punjab, is pursuing his research on “Assessment of Power Quality Disturbances in a Distribution System”. His popular science story entitled “Improving Industrial Equipment Health: the Next Generation Power Quality Monitoring” has been selected for AWSAR Award.

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Ms. Rakhi S., PhD Scholar from M.S. Ramaiah Institute of Technology, Karnataka, is pursuing her research on “Detection and Avoidance of Security Attack in Vanets”. Her popular science story entitled “As you Travel on the Indian Roads in 2050” has been selected for AWSAR Award.

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Ms. Sandhya Birla, PhD Scholar from Indian Institute of Technology, Delhi, is pursuing her research on “Analytical Modeling as a Tool for Prediction of Contaminant Extent”. Her popular science story entitled “Water, the Elixir of Life or A Death Potion: Know Before it is Too Late” has been selected for AWSAR Award.

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Mr. Santoshkumar Palanirajan, PhD Scholar from Indian Institute of Technology, Madras, is pursuing his research on “Biochemical Characterization of Human Phospholipid Scramblases”. His popular science story entitled “Scramblases-Guardians of the Cell” has been selected for AWSAR Award.

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Ms. Sathiya Ramu, PhD Scholar from Faculty of Pharmacy, M. S. Ramaiah University of Applied Sciences, Karnataka, is pursuing her research on “Evaluation of Protective Effect of Sargassum Wightii in Diabetes Mellitus Induced Memory Dysfunction”. Her popular science story entitled “Let us not give Alzheimer Caregiver Burden to our Successors!!!” has been selected for AWSAR Award.

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Ms. Sukanya Som, PhD Scholar from ICAR-Indian Agricultural Research Institute, Delhi, is pursuing her research on “Dynamics and Migration and Leveraging Youth for Agriculture: a Critical Analysis”. Her popular science story entitled “Chronicle of Migration: Tale of two States” has been selected for AWSAR Award.

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Mr. Vineet Singh, PhD Scholar from Indian Institute of Tropical Meteorology, Maharashtra, is pursuing his research on “Cyclones in the North Indian Ocean in a Changing Climate”. His popular science story entitled “Cyclones in the North Indian Ocean in a Changing Climate” has been selected for AWSAR Award.

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सत्यमेव जयते

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