

GLOBAL INDIAN

YOUNG SCIENTISTS RESEARCH AND INNOVATION

CONFERENCE 2023

GI-YSRI 2023, 31 May - 2 June

Day One (Wednesday) -31 May, 2023	
8.00 - 9.15 am	BREAKFAST and Registration at NASC Complex
9.30 - 11.00 am	Inaugural Session
11.00 - 11.30 am	High Tea and Group Photo
Agni Hall	
Session I	Aahar Kranti and Ayurveda Room: Agni; 11:30 AM- 1:00 PM Chair: (Dr. Shiv Kumar Harti; AllA, New Delhi); Co-Chair: (Dr. Nidhi Sharma, AllA, New Delhi)
11:30 - 11:45 AM	Invited Talk by Dr. Shiv Kumar Harti; AllA, New Delhi
11:45 - 12:00 PM	P1: Effect of Health Promotion Interventions on Small Portion Size Consumption Behavior among College Students in Chandigarh: A Quasi-Experimental Study by Dr. Poonam Khanna
12:00 - 12:15 PM	P2: Status of Trans-Fat Labelling Compliance on Packaged Food in Chandigarh by Dr Rachana Srivastava
12:15 - 12:30 PM	P3: Dincharya & Rutucharya - Ayurvedic View by BHAIRAV TAWSHIKAR KULKARNI
12:30 - 12:45 PM	P4: Development and evaluation of novel Synbiotic Corn Chocolates for enhanced functional properties by Smriti Gaur
12:45 - 1:00 PM	P5: A Study on the Dissemination of Indian Traditional Food Practices through SVASTIK Stories by Paramananda Barman
1:00 - 2:00 pm	Lunch
Session II	Aahar Kranti and Ayurveda Room: Agni; 2:00 - 3:30 PM Chair: (Prof. Mahesh Vyas, AllA, New Delhi) Co-Chair: (Dr. Prashant Gupta, AllA, New Delhi)
2:00-2:15 PM	Invited Talk by Prof. Mahesh Vyas, AllA, New Delhi

2:15 - 2:30 PM	P1: Homemade Millets Mixture - A Resistance Booster By PANDURU VENUGOPAL
2:30 - 2:45 PM	P2: Development of artificial intelligence-driven automated instrument for the assessment of <i>Vamana Karma</i> (Therapeutic induced emesis). by Dr Pooja Rani
2:45 - 3:00 PM	P3: Herbal Formulation for Irregular Menstrual Cycle 'Menuocure' by Anjana Goel
3:00 - 3:15 PM	P4: Responsible Consumption and Usage of Medicinal and Aromatic Plants in India by Abha Arya
3:15 - 3:30 PM	P5: Siddha Para Surgical Therapy Chuttigai for the management of Extra-gingival Pyogenic Granuloma (Athara ratthathontham) - A Case Report by Jeyavenkatesh Jaigopal
3:30 - 4:00 PM	High Tea
Session III	Earth, Environment and Sustainability Science Room: Agni; 4:00- 6:00 PM Chair: (Dr. C. Bharadwaj, IARI); Co-Chair: (Dr. Anshuman Gunawat, Delhi University)
4:00-4:15 PM	Invited Talk on Exploiting gene clusters for developing climate resilient varieties in chickpea by Dr. C. Bharadwaj, IARI
4:15 - 4:30 PM	P1: A review on the microplastic pollution in fresh water ecosystem India by: Ashashree NR
4.30 - 4.45 PM	P2: Partial nitrification to growth of anaerobic ammonia oxidizing bacteria for mainstream sewage treatment by: Mohammad ishteyaque ahmad
4:45 - 5:00 PM	P3: Estimating Water Quality Index to Understand Cr Contaminant in Soil-Water Systems of Rania-Khan Chandpur Villages, U.P., India by: Vaibhav Deoli
5:00 - 5:15 PM	P4: Promoting climate-resilient approaches in fruit crops by: Chandana MR
5:15 - 5:30 PM	P5: INTEGRATION OF THE SUPERCAPACITOR AND FLYWHEEL ALONG WITH BATTERY FOR HIGH PERFORMANCE HYBRID ELECTRIC STORAGE SYSTEM by Vaibhav Mishra
5:30 - 5:45 PM	P6: Physico-Chemical characterization of PM with varying altitude in typical urban environment Over New Delhi by:PADMA
5:45 - 6:00 PM	P7: THREE YEARS (2019-21) STUDY OF AEROSOL OPTICAL DEPTH (AOD), ANGSTROM EXPONENT(AE) OVER KASHMIR VALLEY (NORTH-WESTERN HIMALAYA) by: IMTIAZ Ahmed
6:00 - 8:00 PM	Young Rural Innovator Award Ceremony+Motivational Session
8:00 - 9:00 PM	Dinner

Day Two (Thursday) - 1 June, 2023	
8.00- 9.15 AM	BREAKFAST
9:30 - 10:30 PM	Special Lecture by Shri Rajesh Gokhale Ji (30 Mins) and Dr. Himanshu Pathak Ji (30 Mins)
10:30 - 12:30 PM	IARI Research Facility Visit
1:00 - 2.00 PM	LUNCH
Session IV	POSTER SESSION (2:00 - 3:30 PM)
3:30 - 4:00 PM	High Tea
Session V	Agriculture and Food Science Room: Agni; 4:00- 6:00 PM Chair: (Dr. Deepak Kumar, GB Pant University of Agriculture and Technology, Pantnagar) Co-Chair (Dr. Manish Kumar, RPAU, Pusa)
4:00 - 4:15 PM	Invited Talk on Sustainable Water Management by Dr. Deepak Kumar, GB Pant University of Agriculture and Technology, Pantnagar
4:15 - 4:30 PM	P1: SUSTAINABLE AGRICULTURE APPROACH FOR DEVELOPMENT By Manohar Saryam
4:30 - 4:45 PM	P2: Preservation of Dragon Fruit Pulp for Maintaining its Bioactive Compounds and Quality By Vinod B R
4:45 - 5:00 PM	P3: Common Ruderals weeds along Naag Tibba trekking in Tehri Garhwal, Uttarakhand, India By Manisha Pandey
5:00 - 5:15 PM	P4: FOLK USES OF RUDERALS & AGRESTALS WEEDS FROM DISTRICT MORADABAD, UTTAR PRADESH, INDIA By Sachin Sharma
5:15 - 5:30 PM	P5: Chitosan graft copolymerized based edible coatings as tool to improve quality and shelf-life of fresh fruits By Raj Rani
5:30 - 5:45 PM	P6: Thin layer drying of baby corn and its effect on nutritional, bioactive components, color values and rehydration By Ubaida Akbar
5:45 - 6:00 PM	P7: Revalorization of rice husk for the fabrication of carbon quantum dots by hydrothermal method and its characterization By Sweezee Thakur
6:00 - 8:00 PM	Young Rural Innovator Award Ceremony and Motivational Session

Day Three (Friday) - 2 June, 2023	
8:00 - 9:15 AM	BREAKFAST
Session VI	Agriculture and Food Science Room: Agni; 9:30- 11:00 AM

	Chair: (Shri Madhukar Swayambhu, VedicSrijan);
	Co-Chair: (Dr. Deepak Kumar)
9:30 - 9:45 AM	Invited Talk by Waterbodies & Wetlands: ecosystem services pr Shri Madhukar Swayambhu, VedicSrijan
9:45 - 10:00 AM	P1: Formulation and nutritional evaluation of functional millet cookies by Rekha Kaushik
10:00 - 10:15 AM	P2: Neem The Wonder Drug: A herbal panacea in Oral and dental diseases by Neha Verma
10:15 - 10:30 AM	P3: Green Synthesis of Nanoferrogel Fortified Simazine as Control Release Formulation : A Sustainable Tool for Agriculture By Manisha Pandey
10:30 - 10:45 AM	P4: INCEPTION-4 BASED CONVOLUTIONAL NETWORK BASED WEB APPLICATION FOR DISEASES PREDICTION IN <i>Camellia Sinensis</i> By BIDISHA PRAMANICK
10:45 - 11:00 AM	P5: Development of millet-based instant raabri mix: Drying process standardisation and its storage studies By Anamika Sharma
11:00 - 11.30 AM	High Tea
Session VII	Agriculture and Food Science Room: Agni; 11:30- 1:00 AM Chair: (Dr Manisha Saini, IARI) Co-Chair: (Dr. Anu Singh, JNU)
11:30 - 11:45 AM	Invited Talk by Dr Manisha Saini, IARI
11:45 - 12: 00 PM	P1: Agronova” : The Farming Vehicle Automation Kit By Sagar Tanwar
12:00 - 12:15 PM	P2: Home gardening practices of medicinal plants in Lucknow City: A Descriptive Study By Ponam Sahu
12:15 - 12:30 PM	P3: Augmentation of biomass production of <i>Synechosystis pevaleikii</i> using different growth media By Abhishek Sahu
12:30 - 12:45 PM	P4: "Empowering Nutrition: Unleashing the Potential of Food Fortification for Enhancing Health and Well-being By Menaka M
12:45 - 1:00 PM	P5: Demand and Supply Projections of Millets in Maharashtra State of India By Perka Shiva Kumar
1:00 - 2:00 PM	LUNCH
2:00-4:00 PM	Closing Ceremony
4:00-6:00 PM	POSTER SESSION

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8.00 - 9.15 am	BREAKFAST and Registration at NASC Complex
9.30 - 11.00 am	Inaugural Session
11.00 - 11.30 am	High Tea and Group Photo
Aakash Hall	
Session I	Agriculture and Food Science Room: Aakash; 11:30 AM- 1:00 PM Chair:(Dr. Amitava Rakshit, BHU); Co-Chair: (Dr. Prakash Jha)
11:30 - 11:45 AM	Invited Talk on Know your Soil for a healthier planet by Dr. Amitava Rakshit, BHU
11:45 - 12:00 PM	P1: Biostimulants and their effects for a sustainable approach to agriculture by Heisnam Sobhana Devi
12:00 - 12:15 PM	P2: Development of Pervaporation Process for Lycopene Separation from Tomato Waste by Shyam Kodape
12:15 - 12:30 PM	P3: A Comparative study on Food Security and its impact of Food Sustainability between India, China and United States of America. by Tanu Shiva
12:30 - 12:45 PM	P4: Characterization and antimicrobial effectiveness of edible mushroom species (Pleurotus ostreatus) by Vaishali Singh
12:45 - 1:00 PM	P5: Evaluation of siderophore producing bacteria for growth, yield, and iron fortification in potato (Solanum tuberosum L.) by Sonam Gupta
1:00 - 2:00 pm	Lunch

Session II	<p style="text-align: center;">Agriculture and Food Science Room: Aakash; 2:00 - 3:30 PM Chair: (Dr. Vikas Nanda, SLIET, Punjab)</p> <p style="text-align: center;">Co-Chair: (Dr. Ruby Mishra, Delhi University)</p>
2:00-2:15 PM	Invited Talk on Characterization and Quality Parameters of honey by Dr. Vikas Nanda, SLIET, Punjab
2:15 - 2:30 PM	P1: Effect of seed priming, humic acid and sulphur application on growth, yield and oil quality of linseed under limited water conditions. by Gumpi Kabak
2:30 - 2:45 PM	P2: Effect of foliar-applied nano-fertilizer and its impact on guava plant: Absorption and translocation by lakshya Kalirana
2:45 - 3:00 PM	P3: INFLUENCE OF DIETARY TREATED RUMEN DIGESTA SUPPLEMENTATION ON GROWTH PERFORMANCE, INTAKE AND NUTRIENT UTILIZATION IN BARBARI GOATS by Ajit Kumar
3:00 - 3:15 PM	P4: Effect of different combinations of PGR and biofertilizers on the vegetative and yield enhancement of winter crop in Allahabadh Safeda, guava by Amandeep Brar
3:15 - 3:30 PM	P5: Structural characterization of nano mucilage extracted from Psyllium husk using green processes by Mansuri M. Tosif
3:30 - 4:00 PM	High Tea
Session III	<p style="text-align: center;">Agriculture and Food Science Room: Aakash; 4:00-6:00 PM Chair: (Dr. Niraj Kumar, IARI)</p> <p style="text-align: center;">Co-Chair: (Dr. Mukesh Kumar)</p>
4:00-4:15 PM	Invited Talk on Understanding the genomic regions and molecular mechanics acclimatizing salinity tolerance and yield resilience in chickpea by Dr. Niraj Kumar, IARI
4:15 - 4:30 PM	P1: Unveiling the Genetic Symphony: Exploring APETALA 1's Impact on Soybean Growth and Flowering for Enhanced Yield by Durgeshwari Gadpayale
4.30 - 4.45 PM	P2: A Novel Approach on Utilizing Marble Waste as a Sustainable Raw Material for Poly(vinyl chloride) Composites by Ranjan Chaturvedi
4:45 - 5:00 PM	P3: Effect of Glyphosate Herbicide on Agriculture Soil and Edible Plants by Yogesh P
5:00 - 5:15 PM	P4: Nutritional and biochemical characterization of selected microgreens are grown in two different growing mediums by Mahendra Gunjal
5:15 - 5:30 PM	P5: ACOUSTIC AGRICULTURE- Sprouts to life!! by Pavan A
5:30 - 5:45 PM	P6: Phosphate Solubilizing Bacteria Remediate Soil Phosphorus by Solubilization and Mineralization of Insoluble Phosphorus for Soil health Restoration and Plant Assimilation

	by KHUSHBOO KUMARI
5:45 - 6:00 PM	P7: Valorization of waste from millet for value addition
	by Shivali Pathania
6:00 - 8:00 PM	Young Rural Innovator Award Ceremony+Motivational Session
8:00 - 9:00 PM	Dinner

Day Two (Thursday) -1 June, 2023	
8.00- 9.15 AM	BREAKFAST
9:30 - 10:30 PM	Special Lecture by Shri Rajesh Gokhale (30 Mins) and Shri S Chandrashekhar (30 Mins)
10:30 - 12:30 PM	IARI Research Facility Visit
1:00 - 2.00 PM	LUNCH
Session IV	POSTER SESSION (2:00 - 3:30 PM)
3:30 - 4:00 PM	High Tea
Session V	Earth, Environment and Sustainability Science Room: Aakash; 4:00- 6:00 PM Chair: (Dr. Swatantra Kumar Dubey, International Rice Research Institute) Co-Chair: (Shri Atul Kumar,WSAFESS, New Delhi)
4:00 - 4:15 PM	Invited Talk by Dr. Swatantra Kumar Dubey
4:15 - 4:30 PM	P1: Vit D deficiency: A Global public health issue by: Neelam Katiyar
4:30 - 4:45 PM	P2: Heavy metal remediation using diatoms recovered from RO Reject water by: Sumit Dhali
4:45 - 5:00 PM	P3: Hydrogen Production In Up-Scaled Modified Electrode Microbial Electrolysis Cell by: Rahul Gautam
5:00 - 5:15 PM	P4: Nutrient Conservation Achieved Through Mixing Regime Improves Microalgal Wastewater Treatment and Diminishes the Net Environmental Impact by Vivek Dalvi
5:15 - 5:30 PM	P5: Quantum Technology Driven Bulk Production of Green Hydrogen under Visible Light Irradiation via. Efficient Photo-Catalytic System by: Shankab Jyoti Phukan
5:30 - 5:45 PM	P6:
5:45 - 6:00 PM	P7: Assessment of native plant species for phytoremediation of heavy metals in the soil contaminated by industrial effluent in the urban environment of Mysore by: Santhosh M
6:00 - 8:00 PM	Young Rural Innovator Award Ceremony and Motivational Session

Day Three (Friday) - 2 June, 2023	
8:00 - 9:15 AM	BREAKFAST
Session VI	<p align="center">Y20 Room: Aakash; 9:30- 11:00 AM Chair: (Prof. Vara Prasad, KSU, USA); Co-Chair (Mr. Himanshu Khanna, Associate Y20 India)</p>
	Invited Talk by Prof. Vara Prasad, KSU, USA
Panelist	Mr. Pathikrit Payne, Coordination Head, Y20 India
Panelist	Dr. Pankaj Kumar Gupta, Co-founder SYAHI
Panelist	Mr. Kavi Nishant Bharadwaj Rajput, Founder Dharti Foundation
Panelist	Mr. Subham Singh Patel, National Convener, Agri Vision
Panelist	Vd. Prasant Tiwari, National President, NASYA
Panelist	Mr. Pratik Suthar, National Convener, Think India
11:00 - 11.30 AM	High Tea
Session VII	<p align="center">SYAHI Room: Aakash; 11:30- 1:00 AM Chair: (Prof. Vara Prasad, KSU, USA); Co-Chair (Prof. Madhav Govind)</p>
11:30 - 11:45 AM	Invited Talk by Prof. Vara Prasad, KSU, USA
11:45 - 12: 00 PM	<p>P1: A Hybrid Biodigester (Anaerobic and Aerobic) for treatment of Human Faecal Waste (HFW)</p> <p>by Roshita Sharma</p>
12:00 - 12:15 PM	<p>P2: Recycle and recovery of metal and metalloids from for Hydrodesulphurization catalytic waste: A waste to wealth Approach</p> <p>by Ajay Prakash</p>
12:15 - 12:30 PM	<p>P3: Baseline Concentration of Microplastics in Surface Water and Sediment of two Major Tributaries of the Ganges River, India</p> <p>by Amit Kumar Mishra</p>
12:30 - 12:45 PM	<p>P4: Indoor Air Purification using Non-Activated Microalgal Biochar with Diatom Embedment for Removal of Particulate Matter, Formaldehydes, and Total Volatile Organic Compounds (TVOC's)</p> <p>by Rahul Kumar</p>
12:45 - 1:00 PM	<p>P5: IOT based Honeybees Monitoring System</p> <p>by Mayank Dubey</p>
1.00 - 2.00 PM	LUNCH
	Closing Ceremony

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8.00 - 9.15 am	BREAKFAST and Registration at NASC Complex
9.30 - 11.00 am	Inaugural Session
11.00 - 11.30 am	High Tea and Group Photo
Jal Hall	
Session I	Earth, Environment and Sustainability Science Room: Jal; 11:30 AM- 1:00 PM Chair: (Dr. Suri Naidu, NGRI, Hyderabad) Co-Chair: (Dr. Gagan Gupta, NCERT)
11:30 - 11:45 AM	Invited Talk by Dr. Suri Naidu, NGRI, Hyderabad
11:45 - 12:00 PM	P1: Assessment of Water Footprint of Bundelkhand region for Sustainable Food Supply by: Shiv Narayan Nishad
12:00 - 12:15 PM	P2: Dynamics of the Geophysical Plasma Events and Their Interplanetary Consequences by:Subhash Chandra Kaushik
12:15 - 12:30 PM	P3: Change Detection in Water Spread Area of Upper and Lower Lakes of Bhopal, using Satellite Data by:Dr. Kavita Verma
12:30 - 12:45 PM	P4: Aerosol characteristics over the Indian Summer Monsoon region: distribution, types and its climatic implications by: Atul Kumar Srivastava
12:45 - 1:00 PM	P5: Insights on the extension of Cassiopea xamachana distribution range and first confirmed report from Indian waters by: Ranjith Lakshmanan
1:00 - 2:00 pm	Lunch

Session II	<p align="center">Earth, Environment and Sustainability Science</p> <p align="center">Room: Jal; 2:00 - 3:30 PM</p> <p align="center">Chair: (Dr. Pankaj Kumar Gupta, IIT Delhi)</p> <p align="center">Co-Chair: (Prof. Ram Sagar Mishra, JNU)</p>
2:00-2:15 PM	Invited Talk by
2:15 - 2:30 PM	P1: Finding innovative methods to educate about sustainability by: Raghul MR
2:30 - 2:45 PM	P2: ASSESSMENT OF RIVER ENCROACHMENT OF SUSWA RIVER IN DEHRADUN DISTRICT OF UTTARAKHAND STATE USING MULTI-TEMPORAL SATELLITE DATA by: Vipul Kaundal
2:45 - 3:00 PM	P3: Effect of different attachment media and nitrogen source for enrichment of Anaerobic Ammonium Oxidizing Bacteria by: Mahmood Ahmed
3:00 - 3:15 PM	P4: 2D-Electrical Resistivity profiling for delineation of sub surface stratigraphy at various locations within and surrounded Kolkata High Court by: Pravendra Singh
3:15 - 3:30 PM	P5: Atmospheric aerosol characteristics at Srinagar (Garhwal) in the central Himalayan region by: Deewan Singh Bisht
3:30 - 4:00 PM	High Tea
Session III	<p align="center">Earth, Environment and Sustainability Science</p> <p align="center">Room: Jal; 4:00-6:00 PM</p> <p align="center">Chair: (Dr. Neel Sarovar Bhavesh, DU)</p> <p align="center">Co-Chair: (Shri Neeraj Kumar, NEERT Ecology)</p>
4:00-4:15 PM	Invited Talk by Dr. Neel Sarovar Bhavesh, DU
4:15 - 4:30 PM	P1: From the Process of Decomposition to Public Health: A Comprehensive Examination of the Interplay and Far-reaching Ramifications for Societal Well-being and Natural Ecosystems by: Dr Ranjana Jaiswara
4.30 - 4.45 PM	P2: Eco-Rejuvenation of Fly Ash Degraded/Contaminated Land for Socioeconomic Development in Rural areas by: Lal Singh
4:45 - 5:00 PM	P3: Quantum Confinement Driven Targeted Delivery of Ayurvedic Drugs and Their Potentiation for the 'Difficult to Reach' Retinopathy & Cancer Complications by: Dr. Somenath Garai
5:00 - 5:15 PM	P4: Sustainable Supercritical Fluid Processing of Lignocellulosic Biomass: Promoting Environmental Stewardship in Green Biorefinery by: Mohammad Aziz

5:15 - 5:30 PM	P5: Transgenerational improvement in susceptibility of <i>Ceriodaphnia cornuta</i> (Crustacea), to agrochemical by: Banaja Prakashini Samantaray
5:30 - 5:45 PM	P6:
5:45 - 6:00 PM	P7: Waste polyethylene-based nanocomposite sheets for as a highly efficient scavenger for the cationic dyes by: Kuljit Kaur
6:00 - 8:00 PM	Young Rural Innovator Award Ceremony+Motivational Session
8:00 - 9:00 PM	Dinner

Day Two (Thursday) -1 June, 2023	
8.00- 9.15 AM	BREAKFAST
9:30 - 10:30 PM	Special Lecture by Shri Rajesh Gokhale (30 Mins) and Shri S Chandrashekhar (30 Mins)
10:30 - 12:30 PM	IARI Research Facility Visit
1:00 - 2.00 PM	LUNCH
Session IV	POSTER SESSION (2:00 - 3:30 PM)
3:30 - 4:00 PM	High Tea
Session V	Earth, Environment and Sustainability Science Room: Jal; 4:00- 6:00 PM Chair: (Dr. Gurjeet Singh, USA) Co-Chair: (Ramesh Pandya, VedicSrijan)
4:00 - 4:15 PM	Invited Talk on Use of Remote sensing in water management by Dr. Gurjeet Singh
4:15 - 4:30 PM	P1: Enhancing Nutritional security and Sustainable health through Millets in India: a Policy Perspective by: Poonam Kumari
4:30 - 4:45 PM	P2: Sustainable Lighting Solutions: A Solar Lamp Made from Electronic Waste (e-Waste) by Harishchandra Nishad
4:45 - 5:00 PM	P3: Spatial Planning intervention for mitigation of Urban Heat Island in Residential areas of Bhopal by: Venkata Ajay Kumar Vardhu
5:00 - 5:15 PM	P4: Nanohybrid-Based Photocatalytic Plates: A Sustainable Solution for Efficient Congo Red Dye Degradation in Water Systems by: Diksha Palariya
5:15 - 5:30 PM	P5: Enhancement of Anaerobically Treated Textile Wastewater Polishing using Algal-Bacterial Granular Sludge through Partial Aeration During Dark Period by: Vivek Nair
5:30 - 5:45 PM	P6: REMEDIATION OF HEXAVALENT CHROMIUM IONS FROM AQUEOUS MEDIUM BY ADSORPTION ON POLYPYRROLE-MIX METAL (Fe-Mn-Zn) OXIDE NANOCOMPOSITE by: Surbhi Sankhla

5:45 - 6:00 PM	P7: ASSESSMENT OF AMBIENT AIR QUALITY CHANGE IN AN URBAN ENVIRONMENT by: Zainab Mushtaq
6:00 - 8:00 PM	Motivational Session + Young Rural Innovator Award Ceremony

Day Three (Friday) - 2 June, 2023	
8:00 - 9:15 AM	BREAKFAST
Session VI	Rural Innovation Awardee Session Room: Jal; 9:30- 11:00 AM Chair: (Prof. Madhav Govind, JNU) Co-Chair: (Dr. Rajeev Singh, DU)
9:30 - 9:45 AM	Invited Talk by Prof. Madhav Govind, JNU
9:45 - 10:00 AM	P1: Rural Innovation Awardee#1
10:00 - 10:15 AM	P2: Rural Innovation Awardee#2
10:15 - 10:30 AM	P3: Rural Innovation Awardee#3
10:30 - 10:45 AM	P4: Rural Innovation Awardee#4
10:45 - 11:00 AM	P5: Rural Innovation Awardee#5
11:00 - 11.30 AM	High Tea
Session VII	Earth, Environment and Sustainability Science Room: Jal; 11:30- 1:00 AM Chair: (Dr. Pooja Ghosh, CRDT, IIT Delhi) Co-Chair: (Smt. Aarti Sharma, WSAFESS, New Delhi)
11:30 - 11:45 AM	Invited Talk on Micro(nano) plastics in municipal wastewater sludge: Risks, Mitigation strategies and future research priorities by Dr. Pooja Ghosh
11:45 - 12: 00 PM	P1: Integration of saprotrophs and autotrophs for bioremediation of wastewater with the potential of green energy production by: Devesh Kumar Yadav
12:00 - 12:15 PM	P2: Highly Alkaline Stable Polyethylene based Anion Exchange Membranes for Electrochemical Energy Systems by: Bharath Govind GS
12:15 - 12:30 PM	P3: Integrated application of microalgae and macrophyte for sustainable treatment of textile industry effluent by: Abhishek Patel
12:30 - 12:45 PM	P4: Remediation of plastic-based waste materials by: Samreen Sajad
12:45 - 1:00 PM	P5: Assessment of Man - Animal Conflicts and monetary compensation practices around Mysuru territorial division in South Karnataka by: Pavithra GM
1.00 - 2.00 PM	LUNCH
	Closing Ceremony

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8.00 - 9.15 am	BREAKFAST and Registration at NASC Complex
9.30 - 11.00 am	Inaugural Session
11.00 - 11.30 am	High Tea and Group Photo
Vayu Hall	
Session I	Engineering and Translational Research Room: Vayu; 11:30 AM- 1:00 PM Chair: (Shri Vinay Kumar, Environment and Social Welfare Head, Art of Living) Co-Chair: (Dr. Pankaj Kumar Gupta, IIT Delhi)
11:30 - 11:45 AM	Invited Talk by Dr. H J Siva Prasad, GBPUAT, Pantnagar
11:45 - 12:00 PM	P1: TEMPO Mediated Microwave-Irradiation Based Isolation of Nanocellulose Fibres from Waste Cotton Plugs: Characterization and Antibacterial Activity by Shagun
12:00 - 12:15 PM	P2: Physical and Mathematical Engineering for for the Sustainable Development by Anil
12:15 - 12:30 PM	P3: Assessment of Random Duty Cycle in Periodically Poled Lithium Niobate Through Second Harmonic Generation by Madhu
12:30 - 12:45 PM	P4: BhuGoal: Smart weather prediction device by Sakhshra
12:45 - 1:00 PM	P5: Investigation of Oxalic Acid Crosslinking on Polyvinyl Alcohol: Characterization and Performance Evaluation by Pragya
1:00 - 2:00 pm	Lunch

Session II	<p align="center">Engineering and Translational Research Room: Vayu; 2:00 - 3:30 PM Chair: (Prof. Manish Kashyap, JNU)</p> <p align="center">Co-Chair: (Dr. Suri Naidu, NGRI)</p>
2:00-2:15 PM	Invited Talk by Prof. Manish Kashyap, JNU
2:15 - 2:30 PM	P1: Study on the Impact of Shock Waves on the Structural, Nonlinear, and Optical Properties of L-Ascorbic Acid Single Crystal by Vinod Antil
2:30 - 2:45 PM	P2: Early Warning System by Aditya Kumar Gond
2:45 - 3:00 PM	P3: Structural, Magnetic and Heating Performance in Biocompatible Superparamagnetic Manganese substituted Magnetite for Cancer treatment by Arjun Singh
3:00 - 3:15 PM	P4: Design Process of AR-Based Board Games for Inclusive and Equitable Quality Education to Promote Social Emotional and Lifelong Learning For All by Nikhil Gehlot
3:15 - 3:30 PM	P5: Evaluation of Targeted Serum Biomarkers as a Risk Factor of Congenital Talipes Equinovarus: A Mother Child Dyad Study by Vaishnavi Pandey
3:30 - 4:00 PM	High Tea
Session III	<p align="center">Engineering and Translational Research Room: Vayu; 4:00-6:00 PM Chair: (Dr. Nima D Namsa, Tezpur Central University)</p> <p align="center">Co-Chair: (Dr. Mallika Pathak, DU)</p>
4:00-4:15 PM	Invited Talk on Rotavirus disease: the need of promoting regional science and water surveillance by Dr. Nima D Namsa, Tezpur Central University.
4:15 - 4:30 PM	P1: Frugal Innovation and Rural Development: Creating Shared and Stakeholder Value. by Ashish Gosain
4.30 - 4.45 PM	P2: Sustainable Circular Economy in the Food Supply Chain Management by Ambikesh Pandey
4:45 - 5:00 PM	P3: Role of serum miRNA 122-5p expression as a circulatory biomarker in subjects having both Knee Osteoarthritis and Osteoporosis: A case - control study by Rashmi Yadav
5:00-5:15 PM	P4: From the process of decomposition to public health: a comprehensive examination of the interplay and far-reaching ramifications for societal well-being and natural ecosystems by Jasvinder Kumar
5:15-5:30 PM	P5:Magnetic Fluid Bearing Based Low Wind Speed Electric Power Generator by Komal Jain

5:30-5:45 PM	P6:Mechanical Energy Harvesting from Flexible 3D-Piezoelectric Polymer Composite Foam Structure by Ananthakumar Ramadoss
5:45-6:00 PM	P7: Mechanistic interplay between POTEE: A members of Prostate, Ovary Testis and Embryo (POTE) and Notch1 regulates Notch signalling and controls epithelial ovarian cancer phenotype by Dr Bimal Prasad Jit
6:00 - 8:00 PM	Young Rural Innovator Award Ceremony+Motivational Session
8:00 - 9:00 PM	Dinner

Day Two (Thursday) - 1 June, 2023	
8.00- 9.15 AM	BREAKFAST
9:30 - 10:30 PM	Special Lecture by Shri Rajesh Gokhale (30 Mins) and Shri S Chandrashekhar (30 Mins)
10:30 - 12:30 PM	IARI Research Facility Visit
1:00 - 2.00 PM	LUNCH
Session IV	POSTER SESSION (2:00 - 3:30 PM)
3:30 - 4:00 PM	High Tea
Session V	Agriculture and Food Science Room: Vayu; 4:00-6:00 PM Chair: (Dr Ranjith Kumar Ellur, IARI) Co-Chair: (Dr. Prakash Jha, KSU, USA)
4:00 - 4:15 PM	Invited Talk by Dr Ranjith Kumar Ellur, IARI
4:15 - 4:30 PM	P1: Enhancing Nutritional security and Sustainable health through Millets in India: a Policy Perspective by Suman Ray
4:30 - 4:45 PM	P2: Innovative Approach for Incorporating Plant-Based Antioxidants for Sustainable Preservation of Nile tilapia (Oreochromis niloticus) fish fillets by Dr. Rakesh Jadhav
4:45 - 5:00 PM	P3: Significance of ICT tools as Information Sources as superficial by farmers for livelihood by Amit Kumar Singh
5:00 - 5:15 PM	P4: Spectral Characterization of Labdane Diterpenes Isolated from Hedychium spicatum Sm. Rhizomes and Pesticidal Bio-Evaluation by Avneesh Rawat
5:15 - 5:30 PM	P5: Stability kinetics of Oreovactaene pigments produced by Epicoccum nigrum in solid state fermentation by Sawinder Kaur
5:30 - 5:45 PM	P6: Comparative analysis of Angiotensin-I Converting Enzyme inhibitory activity of fermented cow milk By Nikita Singh
5:45 - 6:00 PM	P7: Effects of different agricultural practices on the organic carbon pools in semi arid regions of India by Khaidem Jackson
6:00 - 8:00 PM	Motivational Session + Young Rural Innovator Award Ceremony

Day Three (Friday) - 2 June, 2023	
8:00 - 9:15 AM	BREAKFAST
Session VI	<p style="text-align: center;">Agriculture and Food Science Room: Vayu; 9:30- 11:00 AM Chair: (Dr Rauf Ahmad Parey, IARI);</p> <p style="text-align: center;">Co-Chair: (Dr. Rashmi Kulkarni, GIST)</p>
9:30 - 9:45 AM	Invited Talk by Dr Rauf Ahmad Parey, IARI
9:45 - 10:00 AM	P1: Effect of incorporation of pomegranate peel and seed powder on biochemical properties of pomegranate juice concentrate prepared by conventional concentration method By Sindhu PM
10:00 - 10:15 AM	P2: Targeted pest and weed control using ML/Computer Vision By Abhishek Singh
10:15 - 10:30 AM	P3: DIGITAL AGRICULTURE- A PERSPECTIVE OF FARMERS REGARDING DECISION MAKING By Pooja Jena
10:30 - 10:45 AM	P4: Hydroponics for fodder production: A sustainable way to follow up fodder scarcity in India By Sonia Choudhary
10:45 - 11:00 AM	P5: To study the physical and chemical properties of the browntop millet (<i>Brachiaria ramosa</i>) By Puneet Kang
11:00 - 11.30 AM	High Tea
Session VII	<p style="text-align: center;">Agriculture and Food Science Room: Vayu; 11:30 AM-1:00 PM Chair: (Dr Manjeet Kumar, IARI)</p> <p style="text-align: center;">Co-Chair: (Dr Rajnish Chaturvedi, CSIR-IITR, Lucknow)</p>
11:30 - 11:45 AM	Invited Talk by Dr Manjeet Kumar, IARI
11:45 - 12: 00 PM	P1: Zinc oxide and Titanium dioxide nanoparticles fabricated using Plant Extracts <i>Mangifera indica</i> and <i>Azadirachta indica</i> : Comparison studies of Antimicrobial activity and non-linear applications for sustainable agriculture by Archana Rana
12:00 - 12:15 PM	P2: Integrated Farming System Approach for Rural and Tribal Farm Families of Udaipur District Rajasthan by Akansha Yadav
12:15 - 12:30 PM	P3: Nourishing Innovation: Exploring Hemp Seed Milk Analogs for Sustainable Future by Akriti Thakur
12:30 - 12:45 PM	P4: "Agrotech" : Advancement in Agriculture Technology using AI to track crops and farming activities by Piyush Kumar Singh
12:45 - 1:00 PM	P5: Site Suitability of Crop Land in Hamirpur District (U.P.) using Remote Sensing and GIS Techniques by: Nripendra Pratap Singh
1.00 - 2.00 PM	LUNCH
	Closing Ceremony

GLOBAL INDIAN

YOUNG SCIENTISTS RESEARCH AND INNOVATION

CONFERENCE 2023

GI-YSRI 2023, 31 May - 2 June

Day One (Wednesday) -31 May, 2023

8.00 - 9.15 am	BREAKFAST and Registration at NASC Complex
9.30 - 11.00 am	Inaugural Session
11.00 - 11.30 am	High Tea and Group Photo
Prithivi Hall	
Session I	Life Science Room: Prithivi; 11:30 AM- 1:00 PM Chair: (Dr. Neeraj Budlakoti, IARI) Co-Chair: (Dr Adharsh Singh)
11:30 - 11:45 AM	Invited Talk by Dr. Neeraj Budlakoti, IARI
11:45 - 12:00 PM	P1: Integrated Biorefinery process design for co-production of bioethanol and biogas using molasses and lignocellulosic biomass by Ajay Kumar Pandey
12:00 - 12:15 PM	P2: Utilizing diverse renewable feedstock for fuels and chemicals production from a circular economy perspective by V Sreeharsha Rachapudi
12:15 - 12:30 PM	P3: Chitosan and Cellulose based Biomaterials for Diabetic Wound by Priyanka Tyagi
12:30 - 12:45 PM	P4: In Vitro and In Vivo Biocompatibility Evaluation of Male Contraceptive - "NIRODH" including Histopathology as an important tool for decision making by Dr. Krunal Solanki
12:45 - 1:00 PM	P5: Efficacy of Mucuna pruriens in the treatment of T2D, Parkinson's disease, and erectile dysfunction - a systematic review of clinical and preclinical studies by Ravindra Verma
1:00 - 2:00 pm	Lunch
Session II	Life Science Room: Prithivi; 2:00 - 3:30 PM Chair: (Prof. Ranjana Agrawal, Director NIScPR) Co-Chair: (Dr. Rashmi Kulkarni, GIST)

2:00-2:15 PM	Invited Talk on by Prof. Ranjana Agrawal
2:15 - 2:30 PM	P1: Development of a Comprehensive Pipeline for Identification of Antimicrobial Resistance Genes in Bacterial Metagenomes by Viswajit Mulpuru
2:30 - 2:45 PM	P2: Overexpression of PGC-1 alpha Rescues the Inhibitory Effects of Cypermethrin on Hippocampal Neurogenesis and Cognitive Functions by Anuradha Yadav
2:45 - 3:00 PM	P3: Molecular Connections and Drug Development Potential of Kaempferol and Gallic Acid in Type 2 Diabetes Mellitus by Shivani Pawar
3:00 - 3:15 PM	P4: Proteomic screening for therapeutic design against fungal group pathogens by Sudheer Kumar Katari
3:15 - 3:30 PM	P5: Targeting Cellular Energy Metabolism for Drug Development: A Potential Approach Addressing the Cancer Therapeutic Resistance and Acute Radiation Syndrome by Yogesh Rai
3:30 - 4:00 PM	High Tea
Session III	Life Science Room: Prithivi; 4:00-6:00 PM Chair: (Dr Chirag Maheswari, IARI) Co-Chair: (Dr. Vivek Dalvi, IIT Delhi)
4:00-4:15 PM	Invited Talk by Dr Chirag Maheswari, IARI
4:15 - 4:30 PM	P1: Assesment of rhizobacterial strain from <i>Brassica juncea</i> for multitrail plant growth promotion under salinity stress by Kushum Sharma
4.30 - 4.45 PM	P2: Effect of Taurine supplementation on Neurological Recovery of Acute Spinal Cord Injury (ASCI) Subject in North Indian Population:A Prospective Observational Study. by Zeenat Arya
4:45 - 5:00 PM	P3: Carbohydrates as Carriers for the Targeted Delivery of Bioactive Substances to Specific Sites by Sushma Dev
5:00 - 5:15 PM	P4: MELATONIN ELEVATES GLUCOCORTICOID INDUCED IMPAIRMENTS OF KIDNEY TISSUE IN MALE ALBINO RAT by Marylin Taye
5:15 - 5:30 PM	P5: AMELIORATIVE EFFECT OF MELATONIN ON GLUCOCORTICOID INDUCED BIOCHEMICAL AND HISTOLOGICAL INJURIES OF LIVER TISSUE IN MALE ALBINO RATS. by Baishnabi Kovalli
5:30 - 5:45 PM	P6: Clinical assessment of the impact of hyperprolactinemia on the fertility rate of women of different ages by Gunja Roy
5:45 - 6:00 PM	P7: Clinical assessment of the impact of hyperprolactinemia on the fertility rate of women of different ages by Jyoti Prangya Sahu
6:00 - 8:00 PM	Young Rural Innovator Award Ceremony+Motivational Session

8:00 - 9:00 PM	Dinner
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Day Two (Thursday) -1 June, 2023	
8.00- 9.15 AM	BREAKFAST
9:30 - 10:30 PM	Special Lecture by Shri Rajesh Gokhale (30 Mins) and Shri S Chandrashekhar (30 Mins)
10:30 - 12:30 PM	IARI Research Facility Visit
1:00 - 2.00 PM	LUNCH
Session IV	<p align="center">Life Science Room: Prithivi; 2:00- 3:30 PM Chair: (Dr. Pawan Kumar Verma, SGPGIMS); Co-Chair (Dr Adharsh Singh)</p>
2:00 - 2:15 PM	Invited Talk by Dr. Pawan Kumar Verma
2:15 - 2:30 PM	P1: ArMoR - Antimicrobial Resistance Awareness Game by Somnath Chindhe
2:30 - 2:45 PM	P2: Role of gut microbiome and Vitamin D in cognitive health of the elderly population of India by Dr. Abhai Kumar
2:45 - 3:00 PM	P3: Application of two electrochemical sensing techniques for rapid detection of progesterone hormone by Disha
3:00 - 3:15 PM	P4: BIOPOLYMERS BASED HYDROGEL: A NEW EMERGING ERA FOR DIABETIC WOUND HEALING by ARUNIM
3:15 - 3:30 PM	P5: Novel drug delivery system for curcumin: Implementation to improve Bioavailability by selecting natural permeation enhancer from the alkaloidal plant <i>Piper nigrum</i> by Vibha Kushwaha
3:30-3:45 PM	Dynamics of host-pathogen interaction in blast disease by Priyanka Jain
3:45 - 4:00 PM	High Tea
Session V	<p align="center">Life Science Room: Prithivi; 4:00- 6:00 PM Chair: (Dr. Ashok Kumar, AIIMS) Co-Chair: (Dr Rajnish Chaturvedi, CSIR-IITR)</p>
4:00 - 4:15 PM	Invited Talk by Dr Ashok Kumar, AIIMS
4:15 - 4:30 PM	P1: Therapeutic efficacy of fermented soy protein isolate against glycemic dysregulation in type 2 diabetes by Dibyendu Das
4:30 - 4:45 PM	P2: Bioinformatics analysis reveals mitochondrial gene NDUFS8 correlates with immune infiltration and acts as a prognosticator in HNSCC

	by Sonali Awasthi
4:45 - 5:00 PM	P3: Aptamers Functionalized Gold Nanoparticles modified Screen-Printed Electrodes for Voltammetric Detection of Stress Hormone Cortisol by Vipasha Sharma
5:00 - 5:15 PM	P4: Molecular characterization of drug- resistant strains of Mycobacterium tuberculosis by Sushma Yadav
5:15 - 5:30 PM	P5: Identifying Therapeutic Genes for Prostate Cancer and Targeting Those Genes Using Indian Ayurvedic Phytoconstituents by Shristi Modanwal
5:30 - 5:45 PM	P6: The severity of chronic obstructive pulmonary disease (COPD) in non-smokers is correlated with biomass fuel exposure and the COPD Assessment Test. by Anuj Kumar Pandey
5:45 - 6:00 PM	P7: Design and Development of an Exosome-based Diagnostic Kit for Early Detection of Diabetic Nephropathy by Shatakshi Chaturvedi
6:00 - 8:00 PM	Motivational Session + Young Rural Innovator Award Ceremony

Day Three (Friday) - 2 June, 2023	
8:00 - 9:15 AM	BREAKFAST
Session VI	Life Science Room: Prithivi; 9:30- 11:00 AM Chair: (Dr. Mallika Pathak, Miranda House, University of Delhi) Co-Chair: (Dr. Anu Singh, DU)
9:30 - 9:45 AM	Invited Talk by Dr. Mallika Pathak Miranda House, University of Delhi
9:45 - 10:00 AM	P1: Design and Development of an Exosome-based Diagnostic Kit for Early Detection of Diabetic Nephropathy by Kalani
10:00 - 10:15 AM	P2: Effect of omega-3 fatty acid on anthropometric parameters, clinical parameters and nicotine dependence in smokers and tobacco users by Anjali Singh
10:15 - 10:30 AM	P3: Estimation Region of Brain Atrophy Using Explainable AI and Neuroimaging in Pediatric Patients by: Ranjeet Chaurasia
10:30 - 10:45 AM	P4: Development and Validation of HPTLC method for quantification of alizarin in the root extract of <i>Morindacitrifolia</i> and its marketed products. by Rizwan Ahmad
10:45 - 11:00 AM	P5: Emerging trends in stem cell research & therapy for non-malignant diseases in India: safety and outcomes from systematic review analysis by Chandrashekhar Chavan
11:00 - 11.30 AM	High Tea

<p>Session VII</p>	<p style="text-align: center;">Life Science Room: Prithivi; 11:30- 1:00 AM Chair: (Dr. Vivek Dalvi, IIT Delhi)</p> <p style="text-align: center;">Co-Chair: (Dr. Deepak Kumar, GBPUAT, Pant Nagar)</p>
<p>11:30 - 11:45 AM</p>	<p>Invited Talk on Application of Microalage in Wastewater Treatment by Dr. Vivek Dalvi, IIT Delhi</p>
<p>11:45 - 12: 00 PM</p>	<p>P1: Fermentation modification of little millet starch. by Rishibha Gupta</p>
<p>12:00 - 12:15 PM</p>	<p>P2: Molecular identification and characterization of a begomovirus species associated with mosaic disease of pumpkin from around Bhopal by Ram Prasad Kushvaha</p>
<p>12:15 - 12:30 PM</p>	<p>P3: Identification of novel compounds from <i>Bacopa monnieri</i> as GSK-3B inhibitor for the treatment of alzheimer's disease by Kalpana Rawat</p>
<p>12:30 - 12:45 PM</p>	<p>P4: Neuroprotective effect of chlorogenic acid, a caloric restriction mimetic, in human neuroblastoma SH-SY5Y cells exposed with amyloid beta by Apoorv Sharma</p>
<p>12:45 - 1:00 PM</p>	<p>P5: Unleashing the Potential of Bacterial Cellulose as Sustainable Biomaterial for Advanced Biomedical Applications by Samriddh Srivastava</p>
<p>1.00 - 2.00 PM</p>	<p style="text-align: center;">LUNCH</p>
	<p style="text-align: center;">Closing Ceremony</p>