## **International Conference on Recent Trends in Biotechnology and Applied Bioinformatics**

## **Scientific Programme**

27<sup>th</sup> – 29<sup>th</sup> April 2023

Venue: Sharda University, Greater Noida, Uttar Pradesh, India

2	Day 1 7 <sup>th</sup> April 2023, Thursday, Anand Swaroop Auditorium	
09:00 AM to 10:00 AM	Registration Registration	
10:00 AM -11:30 AM	Inaugural Function	
	High Tea (11:30 AM - 12:00 PM)	
	Keynote Addresses	
	Chairpersons: Prof. Vinod Joshi & Prof. B.C. Tripathy	
12:00 PM - 12:30 PM	<b>Prof. R N K Bamezai</b> , GAP Health Foundation, New Delhi Metabolic convergence despite genomic-epigenomic heterogeneity in cancer with therapeutic potential	
12:30 PM - 1:00 PM	<b>Prof. (Dr.) Anil Kumar Suri</b> , Centre of Cancer Immunotherapy, Sri Ram Cancer Superspeciality Centre, Mahatma Gandhi Medical College and Hospital, Jaipur Newer frontiers of cancer immunotherapy in reproductive cancers	
1:00 PM - 1:30 PM	<b>Prof. Bernhard Grimm</b> , Institute of Biology AG Plant Physiology, Berlin, Germany Multiple regulatory effects on the synthesis of 5-aminolevulinic acid by auxiliary an regulatory factors	
	Lunch (1:30 PM – 2:15 PM)	
	Keynote Addresses Continuing	
2:45 PM Dopamine Agor 2:45 PM - <b>Dr Roya Roza</b>	arvez, School of Chemical and Life Sciences, Jamia Hamdard, New Delhi nists Target Mitochondrial Permeability Transition Pore in Alzheimer's Disease  ti, MHRT and Shadan Institute of Medical Sciences, Hyderabad of the proteomic landscape of unexplained female infertility using bioinformatics	
3:15 PM – 4:30 PM	Poster Presentation	
Tea Break (4:30 PM - 5:00 PM)		
5:30 PM - 7:00 PM	Cultural Program	
7:00 PM Onwards	Dinner	

Day 2
28 <sup>th</sup> April 2023, Friday
APJ Abdul Kalam Auditorium and Visvesvarava Auditorium

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	Keynote Address				
Voymeto	Address (ADI Abdul Kalam Auditorium)	Voymete	Address (Visyasyaraya Auditorium)		
	Address (APJ Abdul Kalam Auditorium) Chairperson: Prof. RS Sharma		Address (Visvesvaraya Auditorium) airperson: Prof. Pitam Chandra		
	Dr G Taru Sharma, Director, NIAB,		<b>Prof. Govindjee</b> , University of Illinois,		
	Hyderabad		Urbana, IL, USA		
10.00 /	Bench to bedside to brass tacks research:		Photosynthesis research - A historical		
	opportunities and challenges		perspective		
	Plenary L	ectures.			
	Lecture (APJ Abdul Kalam Auditorium)		Lecture (Visvesvaraya Auditorium)		
Chairper	son: Prof. Abhimanyu Kumar Jha & Dr	Chairperson: Prof. Nasreen Zafar Ehtesham & Dr.			
10:00 AM -	Pankaj Taneja  Dr Mohd. Ashraf Ganie, Sher-i-Kashmir	10:00 AM -	Arpita Roy  Prof. M. 7. Abdin. Jamia Hamdard, New		
	Institute of Medical Sciences, Srinagar, J&K		Delhi		
10.50 ATT	Molecular Pathogenesis of Polycystic Ovary		A molecular approach for the production of		
	Syndrome (PCOS)		modified stevia sweetener with enhanced		
	, , ,		sweetening index		
10:30 AM -	Prof. Angamuthu Selvapandiyan, Jamia	10:30 AM -	Prof. B C Das, AIMMSCR, Amity University,		
11:00 AM	Hamdard, New Delhi		Noida, Uttar Pradesh		
	Comprehensive proteomic profiling of the		Novel Curcumin-Folate Conjugates;		
	host and the gene-deleted leishmania		Targeted Drug Delivery for Cervical Cancer		
	parasites towards the parasite's efficacy as a				
11,00 AM	potential vaccine candidate <b>Prof. S S Chauhan</b> , AIIMS, New Delhi	11.00 AM	Dr. Harmroot Singh ICMP Now Polhi		
	Diagnostic, prognostic and therapeutic		<b>Dr Harpreet Singh,</b> ICMR, New Delhi, India		
11.50 AM	significance of RNA binding protein HnRNPD		Genome Disparities in Pathogens:		
	in head and neck cancer		Implications for Global Health and Policy - A		
			Case Study of Mycobacterium Tuberculosis		
	Tea Break (11:30 A	M - 12:00	Noon)		
	Diamana I antonio Cantinosia a		Diamana Lastuna Cantinaina		
,	Plenary Lecture Continuing (APJ Abdul Kalam Auditorium)		Plenary Lecture Continuing (Visvesvaraya Auditorium)		
	Prof. Abhisheka Bansal, JNU, New Delhi	12:00 PM -	<b>Prof. Anju Shrivastava,</b> University of		
	<u> </u>	12:30 PM	Delhi, Delhi		
12.30 111	biochemical approaches to identify novel	12.30 111	Neutrophils in host-tumor crosstalk: Role		
	intervention strategies for control of malaria		in systemic detoriation		
12:30 PM -	<b>Prof. D B Sahoo,</b> University of Delhi, New	12:30 PM -	Dr Hisashi Ito, Hokkaido University,		
1:00 PM	Delhi	1:00 PM	Sapporo, JAPAN		
	Seaweeds and their biotechnological		Structural and functional analysis of		
	applications		chlorophyll metabolic enzyme for		
1 00 014		4 00 014	application to plant biotechnology		
	Prof. Nelson Saibo, Institute of Chemical &		<b>Dr Deena Hassan Elsori</b> , Rabdan		
1:30 PM	Biological Technology, Lisbon, Portugal Phytochromes and Phytochrome	1:30 PM	Academy Abu Dhabi, UAE		
	Interacting Factors regulate rice		Non-steroidal anti-inflammatory drugs and		
	development: from coleoptile elongation to		Biomarkers: A new paradigm in Colorectal		
	flowering		Cancer Cancer		
1:30 PM -	<b>Prof. Margarida Oliveira</b> , Catedrático	1:30 PM -	Dr Showkeen Muzamil, Khalifa		
1	Institute of Chemical & Biological Technology,	2:00 PM	University, Abu Dhabi		

Lisbon, Portugal Setting-up biotech tools to uncover the molecular regulation of cork development			Decellularized extracellular matrix-based nanoemulgel system for full-thickness wound healing	
	Lunch (2:00 PM – 2:45 PM)			
	Invited Le	ectures		
	Session 1:	Session 2:		
Medical Biotechnology, Cancer Biology and		Environmental Biotechnology, Genetic		
Computational Biology (APJ Abdul Kalam Auditorium)		Engineering, Plant Biotechnology and Virology (Visvesvaraya Auditorium)		
	Chairpersons: Prof. Anju Shrivastava, Dr Rani Astya & Dr Sunita Sharma		Chairpersons: Prof. M. Z. Abdin & Prof. Amit Kumar Singh	
2:45 PM –	Dr Rupesh K. Srivastava, AIIMS, New		Dr Rajeev Singh, Jamia Milia Islamia, New	
3:05 PM	Delhi, India Utilizing the Immunoporotic Potential of Bregs under Inflammatory bone loss in	3:05 PM	Delhi Non-ionizing electromagnetic radiation and Human Health	
3:05 PM -	Osteoporosis: <i>Bench-to-Bedside</i> <b>Dr Nirmala Jagadish,</b> Centre of Cancer	3:05 PM –	<b>Dr Ravi Datta Sharma,</b> Amity University,	
3:25 PM	Immunotherapy, Sri Ram Cancer & Superspeciality Centre, Mahatma Gandhi Medical College and Hospital, Jaipur SPAG9: A Novel Potential Therapeutic Target in Ovarian Cancer	3:25 PM	Gurgaon, Haryana Prediction of numbers and concentration of Alternative splicing based transcriptional biomarkers using RNA-Seq data	
3:25 PM – 3:45 PM	<b>Dr Ankur Sharma,</b> Harry Perkins Institute of Medical Research, Western Australia Oncofetal Ecosystem In HCC: Towards Spatial Precision Oncology	3:25 PM – 3:45 PM	Dr Pallavi Singh, Graphic Era Deemed to be University, Dehradun, Uttrakhand, India Targeting GSK-3β for the development of potential Therapeutics against Neurodegenerative Diseases	
3:45 PM -	, ,		Dr M. Iqbal R. Khan, Jamia Hamdard,	
4:05 PM	New Breast Cancer Hotspot Mutation of ANKLE1 and its direct role in DNA Damage and Repair in Mammalian Cells	4:05 PM	New Delhi Phytohormones mediated defense mechanisms under different environmental stress regimes	
	Tea Break (4:05	PM - 4:30	PM)	
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	Session 1 Continuing (APJ Abdul Kalam Auditorium)		Session 2 Continuing (Visvesvaraya Auditorium)	
4:30 PM – 4:50 PM	<b>Dr Niti Puri,</b> JNU, New Delhi A Proteomics approach to find novel therapeutic targets for allergic diseases by deciphering the spatial and temporal regulation of protein traffic in mast cells during allergen challenge.	4:50 PM	<b>Dr Ramesh Namdeo Pudake,</b> Amity University, Noida Deploying a rhizospheric microbes to abiotic stress tolerance in finger millet	
4:50 PM – 5:10 PM	<b>Dr Anil Kumar,</b> NII, New Delhi Inflammatory and deleterious role of gut microbiota-derived trimethylamine on colon cells	5:10 PM	<b>Dr Anuja Krishnan,</b> Jamia Hamdard, New Delhi Enhanced generation and characterization of dengue viral-like particles	

	Day 3				
	29th April 2023, Friday, APJ Abdul Kalam Auditorium				
	Plenary Lectures				
9·30 ΔM =	Chairperson: Prof. Syed Ehtesham Prof. (Dr.) Ashwani Pareek, NABI, Mohali	Hasnain &	Prof. Bhuvnesh Kumar		
	Making Rice STRONGER				
	<b>Dr Niranjan Chakraborty,</b> NIPGR, New De				
	Application of organellar proteomics in biotectors   Prof. Dhruv Kumar, UPES, Dehradun	nnology			
	Autophagy-metabolic axis in head and neck c	ancer			
	Tea Break (11:00	AM – 11:30	D AM)		
	Invited L	ectures			
		0000100			
	Session 3:		Session 4:		
	Plant Biotechnology (APJ Abdul Kalam Auditorium)	Microbi	iology and Industrial Biotechnology (Visvesvaraya Auditorium)		
Chairperson: Dr Saleem Siddiqui & Dr Sachin		Chairpe	erson: Dr Tripti Bhatnagar & Dr Amit		
44.00.414	Teotia	44.00.414	Kumar		
11:30 AM - 11:50 AM	<b>Prof. Girish Mishra,</b> University of Delhi, Delhi		<b>Dr Neetu Kumra Taneja,</b> Probiotic Bacteria as Vitamin Biofactories-		
11.50 AM	Emphasis on lipid metabolism and lipid-	11.50 AN	Biotechnological approaches to combat		
	mediated signaling in plants		micronutrient deficiencies		
	<b>Prof. Renu Deswal,</b> University of Delhi,				
12:10 PM	Delhi Digging Brassica cuticle leads to surprises	12:10 PM	Noida		
12.10.014		12 10 014			
12:10 PM -	<b>Dr Nirala Ramchiary,</b> JNU, New Delhi Structural and functional conservation of	-	BD Biosciences Role of flow cytometry in Biotechnology		
12.30111	genetic loci governing morphological and	12.50 111	Role of now cytometry in bloceermology		
12 20 214	yield component traits	10.00.014			
	<b>Dr Neeti Sanan Mishra,</b> ICGEB, New Delhi ARMOUR for plant development and response		The best Egg Donor and ART Bank of India		
12.30 FM	to stress	12.30 FM	The best egg bonor and ART bank of India		
	Lunch (12:50 P	M – 1:30 P	M)		
	APJ Abdul Kalam Auditorium	/ Visvesva	rava Auditorium		
			,		
	Oral Pres	entation			
	Session 5		Session 6		
(APJ Abdul Kalam Auditorium)		(Visvesvaraya Auditorium)			
Chairper	sons: Dr. Garima Chauhan, Dr. Monika	Chairpers	ons: Dr. Arun Agarwal, Dr. Saurabh Kr.		
1:30 PM -	Jain & Dr. Niraj Kumar Jha Priya Chamoli - Graphic Era Deemed to Be	1:30 PM -	Jha & Dr. J. Muthukumaran Ketki Gwalani - Hislop College, Nagpur,		
1:40 PM	I = -	1:40 PM	India		
	Optimization of Pre-Processing Strategy for		Optimization of culture conditions for callus		
	Pennisetum purpureum Schumach: A Potential Bioenergy crop for Bioethanol		induction and in vitro plant regeneration of Coleus forskohlii, an endangered medicinal		
	Production		plant		
1:40 PM -	Jaskirat Kaur Sohal - Chandigarh		Shweta Chaudhary - Gautam Buddha		
1:50 PM	University, Punjab	1:50 PM	University, Greater Noida, India		
	The Impact of the COVID-19 Pandemic on the		Effects of cytokinins on in vitro flowering of		

	Early Onset of Polycystic Ovary Syndrome (PCOS) and Polycystic Ovary Disorder (PCOD) in Young Women: A Cross-Sectional Survey Analysis using RStudio		nodal explant of Vitex negundo (L.): an important medicinal plant
1:50 PM — 2:00 PM	<b>Ajeet</b> – ICMR, New Delhi Influence of RFR emitted from Cell Phone on Common Mental Disorders of North Indian Population	1:50 PM - 2:00 PM	Rajesh Kumar - Gautam Buddha University, Greater Noida Transcription Activator-Like Effector Nucleases (TALENs) based genome editing for increased fruit size of tomato
2:00 PM – 2:10 PM	<b>Pardeep Yadav</b> - Sharda University, Greater Noida, India Repurposing of FDA approved viral drugs against RNA-Dependent-RNA-Polymerase of Japanese Encephalitis Virus	2:10 PM	Archana Prajapati - Gautam Buddha University, Greater Noida CRISPR/Cas9 mediated gene editing against Powdery Mildew disease to mimic natural ol- 2 mutation in Solanum lycopersicum
2:10 PM – 2:20 PM	<b>Garima Gangwar</b> - Gautam Buddha University, Greater Noida Role of target of rapamycin (TOR) in Candida auris growth and pathogenesis.		<b>Jyoti Singh</b> - Sharda University, Greater Noida, India Survey of major allium viruses infecting Indian shallot ( <i>Allium cepa var. aggregatum</i> ) cultivars and their detection with multiplexed RT-PCR
2:20 PM – 2:30 PM	Soumya Sharma - Amity University, Noida, India Candida rugosa lipase immobilization on biopolymer-based nano gel and its morphological characterization	2:20 PM – 2:30 PM	Naveen Kumar - Sharda University, Greater Noida, India Targeted gene mutations using CRISPR- Cas9 technique affects production of seed oil content in Brassica juncea (Indian mustard)
2:30 PM - 2:40 PM	<b>Dahir Sagir Idris</b> - Sharda University, Greater Noida, India Eco-friendly synthesis, characterization, and application of silver-copper bimetallic nanoparticles		Priyanka Babuta - Department of Botany, University of Delhi, Delhi Genome-wide identification and characterization of NADPH-dependent thioredoxin reductases from Brassica juncea
2:40 PM – 2:50 PM	<b>Zainab Mirza</b> - Jamia Millia Islamia, New Delhi Molecular Aspects Of Arsenic-Iron Give-And- Take To Alleviate Arsenic Stress In Rice	2:40 PM – 2:50 PM	Taniya Bargoti - Gautam Buddha University, Greater Noida, Uttar Pradesh, India Genome editing for reversing the evolutionary loss of anthocyanin accumulation in tomato (Solanum lycopersicum L.)
3:00 PM – 4:00 PM	Valed	ictory Fund	ction
4:00 PM		High Tea	