



National Conference
on

Technological Advancements in Adolescent's Health Research

September 28-29, 2024

Organized by

Birla Balika Vidyapeeth, BITS-Campus, Pilani

under the auspices of

Indian Society for the Study of Reproduction and Fertility (ISSRF)



First Day: 28th September 2024 (Saturday)

		Inaugural Ceremony	
09.30 – 09.40 am	Welcome Address		Dr. (Mrs.) M. Kasturi Organizing Chairperson & National Awardee, Principal, Birla Balika Vidyapeeth, Pilani
09.40 – 09.50 am	Address by the President- ISSRF		Prof. N. K. Lohiya , FNASc, FAMS, FIAES, FEMSI Emeritus Professor NAMS, Secretary-NASI Rajasthan Chapter, NASI Senior Scientist & President - ISSRF UOR, Jaipur
09.50 -10.00 am	Address by Organizing President		Maj. Gen. S S Nair AVSM Director Birla Education Trust, Pilani
10.00 – 10.20 am	Inaugural Address by the Chief Guest		Padma Bhushan Dr. (Mrs.) Manju Sharma PhD, FNASc, FNAAS, FTWAS, FIAWS Former Secretary, Department of Biotechnology, Chairman New Initiative, NASI, Prayagraj
10.20 - 10.40 am	Presidential Address		Padma Bhushan Prof. G. P. Talwar Docteur es Sciences, DSc (hc), FAMS, FASc, FNASc FNA, FRCOG (London), FWAAS Director, Talwar Research Foundation, New Delhi, Founder Director, NII, New Delhi
10.40 – 11.00 am	Keynote Address by Guest of Honor		Dr. V. M. Katoch MD, FNASc, FASc, FAMS, FNA President, JIPMER, Puducherry, Former Secretary DHR and Director-General, Indian Council of Medical Research, NASI-ICMR Chair on Public Health Research RUHS, Jaipur
11.00 – 11.05 am	Vote of Thanks		Mrs. Anita Mishra Organizing Secretary Dean Academics, Birla Balika Vidyapeeth, Pilani
11.05 – 11.30 am	Tea Break		







Session I			
Chairpersons			
	<p>Padma Bhushan Prof. G. P. Talwar Docteur es Sciences, DSc (hc) FAMS, FASc, FNASc, FNA, FRCOG (London), FWAAS Director, Talwar Research Foundation, New Delhi, Founder Director, NII, New Delhi</p>		<p>Dr. B. Manivannan, Vice President – Plant Operations and Chief – Brand Promotion, Genaxy Scientific Pvt Ltd., New Delhi/Solan</p>
11.30 – 11.55 am		<p>Xenotransplantation: How feasible Prof. Narinder K. Mehra, FNASc, FIMSA, FNA, FHASc (Hungary), FTWAS (Italy), FISOT, FAMS, Hon FRCP (UK) Hon Emeritus Scientist, Indian Council of Medical Research, Founder Head, Dept. of Transplant Immunology & Immunogenetics All India Institute of Medical Sciences, New Delhi</p>	
11.55 – 12.20 pm		<p>Recent technological advances for diagnosis and treatment of cancer Dr. Arun Chougule, DRP, Ph.D., FAMS, FIOMP, FUICC, FICTP, FACSU, MSRP, FCMPI, FTWAS Dean and Chief Academic Officer, Swasthya Kalyan Group of Institutes, Jaipur, Former, Senior Professor, Radiological Physics, SMS Medical College, Jaipur</p>	
12.20 – 12.45 pm		<p>Adolescent health Dr. (Mrs.) Kiran Katoch, MD, FNASc, FAMS, Dr. A. S. Paintal Distinguished Scientist Chair of ICMR at the Indian Institute of Health Management Research (IIHMR) University, Jaipur; Former Director, ICMR-NJIL&OMD, Agra</p>	
12.45 – 01.10 pm		<p>Nourishing our future: Adolescent nutrition Prof. Paramjit Khurana, FNA, FASc, FNAAS, FTWAS, JC Bose National Fellow, Professor & Head, Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi</p>	
01.10 – 02.00 pm	Lunch Break		
Session II			
Chairpersons			
	<p>Dr. Arvind Gupta MD, FRCP (Glasgow), FRCP (Edin), FACP (USA), FICP, FACE (USA) Senior Consultant, Department of Internal Medicine and Diabetes, RHL- Rajasthan Hospital, Jaipur</p>		<p>Dr. Rita Singh, Professor and Chairperson, Division of Molecular Endocrinology and Reproduction, Department of Zoology, University of Delhi, Delhi</p>
02.00 - 02.25 pm		<p>Biotechnological advances facilitating human health Prof. N. K. Lohiya, FNASc, FAMS, FIAES, FEMSI Emeritus Professor NAMS, Secretary-NASI Rajasthan Chapter, NASI Senior Scientist & President - ISSRF UOR, Jaipur</p>	

02.25 - 02.50 pm		Ayurveda influencing adolescent lifestyle Dr. Roopraj Bhardwaj , Ayurvedic Clinician, University of Rajasthan, Jaipur
02.50 – 03.15 pm		Challenges of identifying non-communicable diseases Dr. Pradyumna Kumar Mishra , Fulbright-Nehru Fellow (USA), AIMF Fellow (DBT-Wellcome Trust & AAS), FAMS Scientist – F & Head, Division of Environmental Biotechnology, Genetics & Molecular Biology (EBGMB), ICMR-National Institute for Research in Environmental Health (NIREH), Bhopal
03.15-03.40 pm		Environmental innovations: Enhancing public well-being through sustainable initiatives Dr. Sudipti Arora , Research Scientist & Assistant Director, Dr. B. Lal Institute of Biotechnology, Jaipur
03.40 - 04.10 pm	Poster Session & Tea Break	
Session III		
Chairpersons		
	Dr. V. M. Katoch MD, FNASc, FASc, FAMS, FNA, President, JIPMER, Puducherry, Former Secretary, DHR and Director-General, Indian Council of Medical Research, NASI-ICMR Chair on Public Health Research, RUHS, Jaipur	
		Prof. A. S. Ansari FAMS, Professor, Centre for Advanced Studies, Department of Zoology, University of Rajasthan, Jaipur
04.10 - 04.35 pm		Can Artificial Intelligence and new technology be the solution for diabetes management in the future? Dr. Arvind Gupta , MD, FRCP (Glasgow), FRCP (Edin), FACP (USA), FICP, FACE (USA) Senior Consultant, Department of Internal Medicine and Diabetes RHL- Rajasthan Hospital, Jaipur
04.35 – 05.00 pm		Adolescence age needs: Understanding, guidance, family, and societal support Prof. Mukesh Kumar , Department of Zoology, M. S. J. Govt. P. G. College, Bharatpur
05.00 – 05.25 pm		Safeguarding adolescent health from fluoride exposure using nanotechnology approaches Dr. Suphiya Khan , CRISP Oxford Fellow, INSA-TUBA Fellow, SERB-POWER Fellow, Deputy Director, Shriram Institute of Industrial Research, Gurugram Centre
05.25 – 06.20 pm	Pilani Band – Pride of Pilani	
06.20 - 07.30 pm	Cultural Programme	
07.30 pm	Dinner	

Second Day: 29th September 2024 (Sunday)





Session IV

Chairpersons

	Dr. Suneeta Mittal , MD, FRCOG(ae) FICOG, FAMS, FICMCH, FIMSA, FICLS, Director & Head, Department of Obstetrics & Gynecology, Fortis Memorial Research Institute, Gurgaon; Former, Professor & Head, Obstetrics & Gynecology, AIIMS New Delhi		Dr. Arun Chougule DRP, Ph.D., FAMS, FIOMP, FUICC FICTP, FACSU, MSRP, FCMPI, FTWAS; Dean and Chief Academic Officer, Swasthya Kalyan Group of Institutes, Jaipur, Former, Senior Professor, Radiological Physics, SMS Medical College, Jaipur
09.30 - 09.55 am		Impact of Endocrine disrupting chemicals on adolescent health Dr. Rita Singh , Professor and Chairperson, Division of Molecular Endocrinology and Reproduction, Department of Zoology, University of Delhi, Delhi	
09.55 – 10.20 am		Cell culture mediated viral vaccine manufacturing under GMP Dr. B. Manivannan , Vice President – Plant Operations and Chief – Brand Promotion, Genaxy Scientific Pvt Ltd., New Delhi/Solan	
10.20 – 10.45 am		Digital health interventions and adolescents Dr. Barkha Khilwani , Post-Doctoral Fellow, Department of Zoology, University of Rajasthan, Jaipur	
10.45 - 11.05 am		From waste to wealth: A hands-on workshop on DIY composting Dr. Sudipti Arora , Research Scientist & Assistant Director, Dr. B. Lal Institute of Biotechnology, Jaipur	
11.05 – 11.30 am	Tea Break		

Session V

Chairpersons

	Dr. Dheer Singh FNASc, FNAAS, FNADSI Director & Vice-Chancellor ICAR-National Dairy Research Institute (Deemed University), Karnal		Dr. (Mrs.) Kiran Katoch MD, FNASc, FAMS Dr. A. S. Paintal Distinguished Scientist Chair of ICMR at the Indian Institute of Health Management Research (IIHMR) University, Jaipur; Former Director, ICMR-NJIL&OMD, Agra
11.30 – 11.55 pm		Role of Robotic technology in reproductive surgery Dr. Suneeta Mittal , MD, FRCOG(ae), FICOG, FAMS, FICMCH, FIMSA, FICLS, Director & Head, Department of Obstetrics & Gynecology, Fortis Memorial Research Institute, Gurgaon; Former, Professor & Head, Obstetrics & Gynecology, AIIMS, New Delhi	
11.55 – 12.20 pm		Advances in stem cell technologies Dr. Shipra Goyal , Assistant Professor, Department of Zoology, Kanoria PG Mahila Mahavidyalaya, Jaipur	

12.20 – 12.45 pm		Lifestyle and cancer: Early detection technologies Dr. Nidhi Shukla , Assistant Professor, Dr. B. Lal Institute of Biotechnology, Jaipur
12.45 – 01.00 pm		Protein characterization in drug development process by 2D-IEF Dr. Abhishek Singh , Product Manager, Genaxy Scientific Pvt Ltd., New Delhi
01.00- 01.15 pm		Arts and science of commercialization: Drumlins-A case study Dr. Suphiya Khan , CRISP Oxford Fellow, INSA-TUBA Fellow SERB-POWER Fellow, Deputy Director, Shriram Institute of Industrial Research, Gurugram Centre
01.15- 01.30 pm		Adolescencesio Ms. Bhavya S. Suravajhala High School Student, Founder & CEO of Adolescencesio, Kollam, Kerala
01.30 – 02.00pm	Lunch Break	
02.00 – 02.30 pm	Feedback Session & Presentations by Students	
Valedictory Ceremony		
02.30 - 02.35 pm	Welcome Note	 Dr. (Mrs.) M. Kasturi Organizing Chairperson & National Awardee Principal, Birla Balika Vidyapeeth, Pilani
02.35 - 02.45 pm	Presidential Address	 Prof. N. K. Lohiya , FNASc, FAMS, FIAES, FEMSI Emeritus Professor NAMS, Secretary-NASI Rajasthan Chapter, NASI Senior Scientist & President - ISSRF Department of Zoology, University of Rajasthan, Jaipur
02.45 - 02.55 pm	Conference Report	 Dr. Anita Mishra Organizing Secretary & Dean Academics, Birla Balika Vidyapeeth, Pilani
02.55 - 3.05 pm	Best Poster Presentation Awards	
03.05 – 03.15 pm	Address by the Guest of Honour	 Dr. V. M. Katoch MD, FNASc, FASc, FAMS, FNA, President, JIPMER, Puducherry, Former Secretary, DHR and Director-General, Indian Council of Medical Research, NASI-ICMR Chair on Public Health Research, RUHS, Jaipur
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03.25 - 03.40 pm	Valedictory Address	 Padma Bhushan Prof. G. P. Talwar Docteur es Sciences, DSc (hc) FAMS, FASc, FNASc, FNA, FRCOG (London), FWAAS Director, Talwar Research Foundation, New Delhi, Founder Director, NII, New Delhi
03.40 - 03.45 pm	Vote of Thanks	 Mrs. Achala Verma Dean Academics, Birla Balika Vidyapeeth, Pilani
03.45 pm	High Tea	