IGSTC Women Involvement in Science and Engineering Research (WISER) Call 2025 – Result

IGSTC is pleased to announce the result of the IGSTC WISER Call 2025. The list of selected paired candidates is presented below:

S. No.	Pair No.	Proposal ID & Country	Primary Applicant	Paired Applicant	Title of the Project
1	4	IGSTC-06664 India	**Khushubo Devi** IIT Indore	**Maria Jazmin Duarte Correa** Max Planck Institute for Sustainable Materials GmbH	Understanding Impurity Effects on Agglomeration and Microstructure in Hydrogen-Reduced Low- Grade Iron Ores
		IGSTC-06686 Germany	**Maria Jazmin Duarte Correa** Max Planck Institute for Sustainable Materials GmbH	**Khushubo Devi** IIT Indore	Role of Impurities on the Kinetics and Transport during Hydrogen Reduction of Low-Grade Iron Ores
2	13	IGSTC-06600 India	**Nirmali Gogoi** Tezpur University	**Sandra Schmöckel** University of Hohenheim	Impact of High Temperature and Drought on Physiological Responses, Root Architecture and Quality Traits in Millet Genotypes
		IGSTC-06656 Germany	**Sandra Schmöckel** University of Hohenheim	**Nirmali Gogoi** Tezpur University	Response of Millet Genotypes to a Combined High Temperature and Drought
3	14	IGSTC-06209 India	**Ruchi Anand** IIT Bombay	**Claudia Höbartner** University of Würzburg	Understanding Targeting Mechanism in Antibiotic Resistance Mechanisms by Combining Chemical Biology and Structural Biology Approaches
		IGSTC-06643 Germany	**Claudia Höbartner** University of Würzburg	**Ruchi Anand** IIT Bombay	RNA-Catalyzed Synthesis of Post-Transcriptional RNA Modifications Targeting Ribosomal rRNA Methylation Related to Antibiotic Resistance
4	18	IGSTC-05789 India	**Ranjita Ghosh Moulick** Amity University Haryana	**Francesca Santoro** Forschungszentrum Jülich GmbH	Mapping Early Synaptogenesis in Primary Neurons Grown on an EphrinA5 Embedded Model Membrane using MEA System
		IGSTC-06628 Germany	**Francesca Santoro** Forschungszentrum Jülich GmbH	**Ranjita Ghosh Moulick** Amity University Haryana	Mapping Early Synaptogenesis in Primary Neurons Grown on an EphrinA5 Embedded Model Membrane using MEA System (MAPSEN)
5	37	IGSTC-05978 India	**Shweta Agarwala** Ahmedabad University	**Jasmin Aghassi-Hagmann** Karlsruhe Institute of Technology	Advancing Piezoelectric Material Systems for Non-Invasive Internal Pressure Sensing in Healthcare
		IGSTC-06548 Germany	**Jasmin Aghassi-Hagmann** Karlsruhe Institute of Technology	**Shweta Agarwala** Ahmedabad University	Development of Piezoelectric Materials for Non-Invasive Monitoring of Internal Pressures in Biomedical Applications

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6	49	IGSTC-04909 India	**Gayathri Ananthanarayanan** IIT Dharwad	**Diana Göhringer** TU Dresden	Adaptive Resource Orchestration for DNN-based Mixed Criticality Workload deployments in Edge-Cloud Systems
		IGSTC-06475 Germany	**Diana Göhringer** TU Dresden	**Gayathri Ananthanarayanan** IIT Dharwad	Self-Aware Reconfigurable Computing Systems for Autonomous Systems
7	60	IGSTC-06602 India	**Nisha Singh** Gujarat Biotechnology University, Gandhinagar	**Petra Bauer** Heinrich Heine University	Identification and Validation of Key Genomic Regions Associated with High Seed Micronutrient Content in Pigeonpea
		IGSTC-06431 Germany	**Petra Bauer** Heinrich Heine University	**Nisha Singh** Gujarat Biotechnology University, Gandhinagar	Identification and Validation of Key Genomic Regions Associated with High Seed Micronutrient Content in Pigeonpea
8	67	IGSTC-01024 India	**Helen P Kavitha** SRM Institute of Science and Technology, Chennai	**Silke Christiansen** Fraunhofer IKTS	Synergetic Rational Design and Machine Learning Analysis of ZrO_2-WO_3 Co-Doped Chitosan/GO Nanocomposite for Supercapacitor Applications
		IGSTC-06389 Germany	**Silke Christiansen** Fraunhofer IKTS	**Helen P Kavitha** SRM Institute of Science and Technology, Chennai	Synergetic Rational Design and Machine Learning Analysis of ZrO_2-WO_3 Co-Doped Chitosan/GO Nanocomposite Materials for Supercapacitor Applications
9	81	IGSTC-06251 India	**Jayanthi Ganapathi** Gujarat Institute of Desert Ecology	**Wibke Busch** Helmholtz-Centre for Environmental Research - UFZ	Assessment of Microplastic-Heavy Metal Interactions in Coastal and Freshwater Ecosystems in Gujarat and their Ecotoxicological Effects on Selected Aquatic Biota
		IGSTC-06292 Germany	**Wibke Busch** Helmholtz-Centre for Environmental Research - UFZ	**Jayanthi Ganapathi** Gujarat Institute of Desert Ecology	Combined Effects of Plastic, Plastic Leachates and Heavy Metals – Towards Improved Risk Assessment for Mixtures in Aquatic Environments
10	87	IGSTC-04076 India	**Kripa M K** Gujarat Institute of Desert Ecology	**Véronique Helfer** Leibniz Centre for Tropical Marine Research (ZMT)	The Biodiversity and Climate Nexus in Mangrove Ecosystems: A Remote-Sensing Perspective on Contrasting Mangrove Forests in India
		IGSTC-06255 Germany	**Véronique Helfer** Leibniz Centre for Tropical Marine Research (ZMT)	**Kripa M K** Gujarat Institute of Desert Ecology	The Biodiversity and Climate Nexus in Mangrove Ecosystems: A Comparative Study of Inland and Coastal Mangrove Forests in India

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11	95	IGSTC-05925 India	**Durba Roy** BITS Pilani, Hyderabad Campus	**Diana Imhof** University of Bonn	Understanding Peptides with Intrinsically Disordered Regions and Poly-Disulfide Backbone through the Lenses of Advanced Molecular Dynamics and Machine Learning
		IGSTC-06205 Germany	**Diana Imhof** University of Bonn	**Durba Roy** BITS Pilani, Hyderabad Campus	Unraveling the Folding Mechanisms of Non-Ordered Regions in Disulfide-Bonded Peptides and Proteins
12	107	IGSTC-06121 India	**Debjani Nag** Tata Steel Limited	**Jennifer Strunk** TU Munich	Conversion of Steel Mill Off Gas CO_2 to Alternate Fuel with Photo Thermal Catalysis Method
		IGSTC-06126 Germany	**Jennifer Strunk** TU Munich	**Debjani Nag** Tata Steel Limited	Material Development for Light-Assisted Catalytic CO_2 Conversion
13	124	IGSTC-05876 India	**Sumati Surya** Raman Research Institute	**Astrid Eichhorn** Heidelberg University	Quantum Techniques in Space and Time: Emergent Properties of Causal Spacetime Networks
		IGSTC-05909 Germany	**Astrid Eichhorn** Heidelberg University	**Sumati Surya** Raman Research Institute	Quantum Techniques in Space and Time: Emergent Properties of Causal Networks
14	128	IGSTC-05232 India	**Kuljeet Kaur Marhas** Physical Research Laboratory	**Jutta Zipfel** Senckenberg Society for Nature Research	The Evolving Protostellar Environment: A Study of Spatial and Temporal Variations of Rare Earth Elements in Calcium Aluminium-Rich Inclusions: Isotopes
		IGSTC-05877 Germany	**Jutta Zipfel** Senckenberg Society for Nature Research	**Kuljeet Kaur Marhas** Physical Research Laboratory	The Evolving Protostellar Environment: A Study of Spatial and Temporal Variations of Rare Earth Elements in Calcium Aluminium Rich Inclusions: Petrology
15	134	IGSTC-06413 India	**Geetha Thangavelu** IISER Thiruvananthapuram	**Anne Henke** University of Stuttgart	On the Schur Algebras and the Affine Cellularity of Certain Classes of Groups and Diagram Algebras
		IGSTC-05799 Germany	**Anne Henke** University of Stuttgart	**Geetha Thangavelu** IISER Thiruvananthapuram	Homological Stability of Diagram Algebras
16	135	IGSTC-06357 India	**Joyee Ghosh** IIT Delhi	**Ramona Wolf** University of Siegen	Security and Feasibility of Practical Entanglement-Based QKD Implementations
		IGSTC-05798 Germany	**Ramona Wolf** University of Siegen	**Joyee Ghosh** IIT Delhi	Security and Feasibility of Practical Entanglement-Based QKD Implementations

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17	143	IGSTC-05553 India	**Akanksha Rathore** BITS Pilani	**Ariana Strandburg-Peshkin** Max Planck Institute of Animal Behavior	Collective Intelligence in Desert Ecosystems: Agent-Based Modeling for Ephemeral Oasis Tracking
		IGSTC-05701 Germany	**Ariana Strandburg-Peshkin** Max Planck Institute of Animal Behavior	**Akanksha Rathore** BITS Pilani	Collective Tracking of Ephemeral Resources in Dynamic Landscapes
18	152	IGSTC-04730 India	**Tasneem Bano Rehman** Muffakham Jah College of Engineering and Technology	**Marina Tropmann-Frick** Hamburg University of Applied Sciences	AI-Enabled Scout Drone for Real-Time Pest Detection and Geotagging in Precision Agriculture
		IGSTC-05458 Germany	**Marina Tropmann-Frick** Hamburg University of Applied Sciences	**Tasneem Bano Rehman** Muffakham Jah College of Engineering and Technology	AI-Assisted Pest Management System for Precision Agriculture (AIPeMS)
19	154	IGSTC-05170 India	**Nitin Yadav** IISER Thiruvananthapuram	**Meetu Verma** Leibniz Institute for Astrophysics Potsdam	Spinning Secrets of Sun: Bridging Simulations and Observations for Detection of Multiscale Vortex Flows
		IGSTC-05373 Germany	**Meetu Verma** Leibniz Institute for Astrophysics Potsdam	**Nitin Yadav** IISER Thiruvananthapuram	Coupling Multi-Wavelength Observations and MHD Simulations for a Comprehensive Study of Solar Vortex Flows
20	169	IGSTC-04769 India	**Shabnam Iyyani Syamsunder** IISER Thiruvananthapuram	**Anna Franckowiak** Ruhr-University Bochum	Probing Gamma-Ray Burst Jet Composition and Physics through Multi-Wavelength Spectro-Polarimetry
		IGSTC-04891 Germany	**Anna Franckowiak** Ruhr-University Bochum	**Shabnam Iyyani Syamsunder** IISER Thiruvananthapuram	High-Energy Neutrinos and Optical Afterglow Polarimetry Studies Unveiling GRB Jet Composition and Physics