RUBBER RESEARCH FAIR

International Research Poster Fair on Rubber Science and Technology

12-14 MARCH 2025 BITEC, BANGKOK, THAILAND

Co-Located at



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Arshad Rahman



Dr. Yeampon Nakaramontri



Napasorn Kingkohyao



Piyawadee Luangchuang



Muna Muchchawech



Torfan Srisuwano



Dr. Vaishak Nambiathodi



Dr. Sreekala M. S



Dr. Harikrishnan P



Soumyadeep Bera



Mary Soumya



Milanta Tom



Dr. Rounak Ghosh



Dr. Preeyanuch Junkong



Dr. Shambhu Agrawal



Dr. Chandima Narangoda

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Arpita Kundu



Koushik Banerjee



Barkat Aziz



Pilar Bernal Ortega



Ajay Haridas CP



Soumya Ghosh Chowdhury



Rahul Chatterjee



Dr. Supa Wirasate



Kattareen Boonchuay



Dr. Anke Blume



Anna Bandoni



Dr. Dengpeng Huang

Remark: Few Researchers are not available to meet at the fair. They are available to communicate by email. Please contact TechnoBiz for assistance.

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Research & Innovations

- Performance Improvement of PCR Tire Tread using Sustainable OE-SBR | Dr. Shambhu Lal Agrawal,
 Pacific Academy of Higher Education and Research University, Udaipur, India
- Exploring the Self-Healing Behavior of Natural Rubber Composites through the Interaction of Protein and In Situ Generated ZnO | Dr. Preeyanuch Junkong, Mahidol University, Thailand
- Sustainable Recycling of Tyre and Other Rubber | Dr. Rounak Ghosh, University of Twente, Netherlands
- Data-Driven Modelling of Thermo-Viscoelasticity of Rubber | Dr. Dengpeng Huang, University of Twente, Netherlands
- How to Predict Truck Tyre Wear? | Dr. Anke Blume, University of Twente, Netherlands
- Silica Silane Filler System for Improving Tyre Performance | Dr. Anke Blume, University of Twente, Netherlands
- Magneto Rheological Elastomers as Potential Dampers | Anna Bandoni, University of Twente, Netherlands
- Heading Towards a Fully Sustainable Tyre Tread
 Compound: Use of Bio-based Resins | Pilar Bernal
 Ortega, University of Twente, Netherlands
- Effect of Layered Double Hydroxide on the Flame Retardancy and Mechanical Properties of Natural Rubber Latex Foam | Kattareen Boonchuay, Rubber Technology Research Centre, Mahidol University, Thailand
- Effect of Lipase Treatment on Storage Hardening and Mechanical Properties of Natural Rubber / Kattareen Boonchuay, Rubber Technology Research Centre, Mahidol University, Thailand

- Development of Silver Nanoparticle-Embedded Natural Rubber for Antimicrobial Applications | Dr. Supa Wirasate, Rubber Technology Research Centre, Mahidol University, Thailand
- Finite Element Simulation Approach for Evaluating 3D Printed PP-SEEPS Blends as Automobile Bumper | Rahul Chatterjee, University of Calcutta, India
- Evaluation of Optimised Biochar derived from Rice Husk as an Alternate Sustainable Reinforcement for E-SBR Composite / Soumya Ghosh Chowdhury, Hari Shankar Singhania Elastomer and Tyre Research Institute (HASETRI) India
- Recyclable, Flexible, and Cross Talk-Free Thermoplastic Polyurethane Carbon Material based Sensors | Ajay Haridas CP, Rubber Technology Centre, IIT Kharagpur, India
- Evaluating Nano Zinc Oxide as a Substitute for Rubber Grade ZnO in Tire Bead Filler: A Combined Experimental & Finite Element Approach | Koushik Banerjee, Hari Shankar Singhania Elastomer and Tyre Research Institute (HASETRI) India
- Bio-Based EPDM Meets Green Crosslinking:
 Paving the Way for a Circular Economy | Barkat
 Aziz, Rubber Technology Centre, IIT Kharagpur,
 India
- Thermal Stability of Hybrid-Cured EPDM Insights into Chain Scission and Crosslinking Dynamics / Arshad Rahman, Rubber Technology Centre, IIT Kharagpur, India
- Self-Healing Airless Tyre for Motorcycle Use based on Epoxidized Natural Rubber Composites | Dr. Yeampon Nakaramontri, King Mongkut University of Technology Thonburi (KMUTT), Thailand

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Research & Innovations

- Effect of Modified Zinc Oxide-Silica
 Nanocomposites on Epoxidized Natural
 Rubber/Tyre Waste Composites Properties |
 Napasorn Kingkohyao, King Mongkut University of Technology Thonburi (KMUTT), Thailand
- Effect of Epoxidation Degree on Self-Healing Epoxidized Natural Rubber Properties: Cure Characteristics and Mechanical Properties / Piyawadee Luangchuang, King Mongkut University of Technology Thonburi (KMUTT), Thailand
- Effect of Nanoclay Modification on Properties of Natural Rubber Nanocomposites using Zinc Compound | Muna Muchchawech, King Mongkut University of Technology Thonburi (KMUTT), Thailand
- Effect of Epoxidized Natural Rubber as a Compatibilizer in Thermoplastic Polyurethane/ Natural Rubber Blends | Torfan Srisuwano King Mongkut University of Technology Thonburi (KMUTT) Thailand
- Innovative Materials in Tyre Sector: Towards a Circular Economy | Dr. Vaishak Nambiathodi, Mahatma Gandhi University, India
- Smart Tires: Utilising Nanogenerators for On-Road Energy Harvesting | Dr. Sreekala M. S, Mahatma Gandhi University, India
- Theoretical Insights into the Electrical and Thermomechanical Properties of Natural Rubber/Conductive Carbon Black Composites / Dr. Harikrishnan Pulikkalparambil, Mahatma Gandhi University, India
- Devulcanization of Scrap Tyre Rubber using a Novel Adsorption Process: An Energy Efficient Approach / Soumyadeep Bera, Mahatma Gandhi University, India

- Elastomer-based Vitrimers Preparation,
 Characterization and Application | Mary Soumya,
 Mahatma Gandhi University, India
- Developing Sustainable Tyres: Role of Nano
 Cellulose | Milanta Tom, Université Bretagne Sud,
 France
- Development of Ionic Network in Epoxidized Natural Rubber for Sustainable Tyre Application / Arpita Kundu, Leibniz-Institut für Polymerforschung Dresden e. V., Germany
- Enhancement of mechanical properties of natural rubber latex sheets by incorporating allyl-modified microcrystalline cellulose (AMCC)
 | Dr. Chandima J. Narangoda, University of Sri Jayewardenepura, Sri Lanka.

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