



From the Desk of Director



Dear Reader:

Greetings! Around the world, manufacturing setups are increasingly tilting towards an integration of the latest technologies with their production processes so as to push yields higher at lower costs and with much greater efficiencies. An agricultural technology accelerator licensed a Purdue innovation that could increase natural rubber production and expand production to new geographies. Edison Agrosiences is developing a technology that could increase the production of plant-based industrial materials, with primary focus on natural rubber.

Natural rubber has performance characteristics that have not been able to be duplicated by synthetics, making it impossible to replace in many applications. As such, Edison Agrosiences is advancing research to develop a sunflower rubber crop that will serve to diversify global rubber production and provide the US with an alternative source for this strategically important commodity. The technology combines a novel transfer-DNA vector delivery system with the addition of the vector of a gene which can help develop the sunflower rubber crop.

Rubber accumulates in commercial sunflower leaves to levels of 1 to 2% of dry weight. It is predicted that a four to five-fold increase in this level of rubber production would be sufficient to make sunflower a commercially viable source of natural rubber. Sunflower is an annual crop grown across more than 1.56 million acres in the United States. It would be interesting to see the results.

Best Regards

Dr. K. Rajkumar
Director, IRMRA

IRMRA'S SERVICES

IRMRA provides services like testing, research and development, product development, failure investigation, inspection, training and consultancy services, and third-party inspection services on rubber and allied products.

TRAINING PROGRAMMES

IRMRA conducted numerous trainings on rubber technology and laboratory management systems, such as:

- Four-day training on laboratory management systems as per ISO/IEC 17025:2005 and internal audit from July 3-6, 2018.
- Two-day training of compounding and testing of rubber products from August 9-10, 2018.
- Training on processing and applications of speciality elastomer on September 12, 2018.



UPCOMING TRAINING PROGRAMMES

Title	Duration
Reverse Engineering and Life Prediction of Rubber Products.	11.10.2018-12.10.2018
Thermoplastic Elastomers: Processing and Applications.	10.10.2018
NABET-Accredited Training on 'Laboratory Management Systems' as per ISO:IEC 17025:2005 and Internal Audit.	23.10.2018 – 26.10.2018
Measurement Uncertainty-Chemical and Mechanical Measurement.	30.10.2018-31.10.2018
Quality Assurance Through Inspection and Testing of Automotive Rubber Products.	15.11.2018-16.11.2018
NABET-Accredited Training on 'Laboratory Management Systems' as per ISO:IEC 17025:2005 and Internal Audit.	20.11.2018-23.11.2018
Compounding and Testing of Rubber Products.	13.12.2018-14.12.2018
NABET-Accredited Training on 'Laboratory Management Systems' as per ISO:IEC 17025:2005 and Internal Audit.	04.12.018-07.12.2018



IRMRA EVENTS

INDEPENDENCE DAY

IRMRA, as a tradition, celebrates Independence Day every year. On August 15, 2018, it hosted the 72nd Independence Day celebration, which began with a flag hoisting ceremony. During the function, awards for best attendance were given to employees in each category of Group A, B and C. Employees participated along with their family members.



DELHI WORKSHOP

IRMRA conducted a technical workshop from September 19th - 20th, 2018 on 'Rubber Compounding and Testing' at the Indian Institute of Technology, New Delhi. The knowledge-sharing session was conducted by Director Dr. K Rajkumar, Assistant Director, Ms. Suchismita Sahoo and Senior Scientific Officer Dr. Bharat Kapgate. 44 participants from various manufacturing and user industries were benefited with the knowledge on overview of various rubbers and their testing methodologies.

LUDHIANA WORKSHOP

IRMRA conducted a one-day technical programme on September 18, on 'Rubber Material and Product Testing' at Regenta Central Klassik, Royal Orchid Hotel, Ludhiana. The technical session was conducted by Assistant Director Ms. Suchismita Sahoo and Senior Scientific Officer Dr. Bharat Kapgate. Which was participated by 20 participants from various industries in Ludhiana





INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION

Affiliated to DIPP, Ministry of Commerce and Industry

Government of India

IRMRA RubTech Focus

Vol – IV Issue No.14 Jul-Sep 2018

Main Function	Contact Name Designation	Emails Contact Nos.
Sponsored Research and Development Main Services	Dr. Kasilingam Rajkumar Director	Mob: 8655095342 9820965583 Email: director@irmra.org rk@irmra.org
	Ms. Suchismita Sahoo Assistant Director	Mob: 7045086164 Email: ss@irmra.org
Customer Service New Business Enquiry	Mr. N A Phondke Senior Officer-Customer Service	Mob: 9892831213 Email: nap@irmra.org
Training Services	Dr. Bharat Kapgade Senior Scientific Officer	Mob: 9764093779 Email: trg@irmra.org bk@irmra.org
Third-Party Inspection Service	Mr. Sethu Madhavan Assistant Director	Mob: 9619993048 Email: sm@irmra.org
Industrial Consultancy Services QMS Consultancy Service	Dr. Kasilingam Rajkumar Director	Mob: 8655095342 9820965583 Email: director@irmra.org rk@irmra.org info@irmra.org
	Mr. Sethu Madhavan Assistant Director	Mob: 9619993048 Email: sm@irmra.org
Editorial Committee	Dr. K. Rajkumar Ms. Suchismita Sahoo Mr. Niteesh Shukla	Mr. Monahar Nawale Ms. Minal Patil Mr. Rajakantham Das
IRMRA – South Centre Sri City Andhra Pradesh	Mr. Niteesh Shukla Assistant Director	Mob: 9820777586 8655095345 Email: irmrasr@gmail.com niteesh.shukla@gmail.com
IRMRA –East Centre Sarpol, Howrah West Bengal	Dr. Debdipta Basu Assistant Director	Mob: 8197606600 Email: irmraer@gmail.com