

Rubber Science & Technology 101

Series 2024

- 6 - 9 May 2024
- 9^{am} - 1^{pm}
- 4-lecture series
(3 virtual + 1 practical lecture at Akademi Hevea Malaysia, Sg. Buloh)

The Rubber Science and Technology 101 Series will present technical knowledge on fundamentals of dry rubber technology, focussing on the types and properties of common rubbers (natural and synthetics), classification and functions of compounding ingredients and compound design for specific product applications, mixing techniques, rubber product fabrication techniques and testing of compounds and vulcanisates. Through this series, participants will be able to:

- Identify the types of rubber used for specific end use based upon respective rubbers' inherent outstanding properties.
- Understand why rubber blending are sometimes important / necessary.
- Design formulation (compound) for specific product application, through knowledge of specific compounding ingredients effect, characteristics and functions.
- Understand the importance of quality of compounds for end product manufacturing processes such as moulding, extrusion and calendering.

Upon full attendance and completion of the series, participants will receive an online Certificate of Completion from MRC.

Who Should Attend

This series is designed for those who are currently working in the compounding & mixing, processing and quality control sections in the dry rubber product manufacturing industries.

Topic Outlines

6 May 2024 (Virtual)

Natural Rubber and Synthetic Rubbers

7 May 2024 (Virtual)

Compounding Ingredients, Compound & Mix Design

8 May 2024 (Virtual)

Mixing Technology, Testing of Compounds and Vulcanisates

9 May 2024 (Practical at Akademi Hevea Malaysia)

Manufacture of Dry Rubber Products

The Trainer



Dr. Md. Aris Bin Ahmad has been with the Malaysian Rubber Board, MRB since 1976. He was appointed as a Research Officer attached to the Product Development Unit and retired in

2007 as Head of Unit. After retirement, he was then appointed as a Research Fellow, attached to Akademi Hevea Malaysia (AHM). Whilst at AHM he completed a co-curriculum for a full time (1½ half year) Certificate in Rubber Technology Course and successfully conducted the course till today.

COURSE FEE

● **RM400/pax**
(Members)

● **RM1,000/pax**
(Non-members & Non-cess Companies)

More Info

Please log on to www.myrubbercouncil.com
or register online [HERE](#)

For more information, Please contact

Siti Najwa | 603-2782 2100 | najwa@myrubbercouncil.com



GUIDELINES FOR PRACTICAL SESSION AT AKADEMI HEVEA MALAYSIA



Lightweight &
breathable
clothes



Sport shoes



Face mask

PROGRAMME DETAILS

- 8.00am - Breakfast (Kafeteria)
- 9.00am - Lecture Starts (Bilik Waja)
- 10.45am - Morning Break
- 11.45am - Visit to AHM Laboratory
- 12.30pm - End of Programme & Lunch



Hostel is available at a cost of :

- RM96/night for 2-single beds
- RM110/night for 3-single beds
- RM160/night for a studio room

Kindly download the booking form [HERE](#) and email to Ms Mazniza at mazniza@lgm.gov.my or contact 03-61459403 for more information.



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