



MOHAMAD AKMAL ABDUL RAHIM

Mohamad Akmal Abdul Rahim currently holds a position in the Advancement and Innovation of Specialty Material Unit, Technology and Engineering Division. He began his career as a research officer at the Malaysian Rubber Board in 2007.

He earned a Bachelor of Engineering (Chemical-Polymer) from Universiti Teknologi Malaysia in 2007. In 2017, he then pursued a PhD in Chemical Engineering at Newcastle University in the United Kingdom, where he concentrated on process intensification using oscillatory baffled reactors and 3D printing.

His research interests include process intensification, reactor design, oscillatory flow mixing, specialty rubber production and latex technology. He has over 15 years of industry experience and has led numerous research projects, including those to improve the technology of latex products (natural rubber gloves and latex thread) and production of specialty rubber. One of his key contributions was for a patent on Epoxidized Natural Rubber Latex (ENRL) Concentrate in Dipped Product Application (PI 2017700457), which he co-invented and earned him two awards, the Scientific Achievement Award 2018 and the Silver ITEX Award 2019.

In addition to conducting research, he was a member of MRB's strategy team (SAFORI), tasked with developing the One Nation Rubber Strategy to sustain the Malaysian Rubber Industry's contribution to a high-income economy, earning him a Special Award from MRB Director General (SAFORI Team) in 2012. He also contributed to create a trademark by developing and detailing the mark of MRB products, such as the soil filling machine (SOFIL), planting machine (RRIM PMac) and latex collection vehicle (RRIM LCV).

He is also an avid runner who volunteers on a regular basis at Presint 18 Putrajaya parkrun events held every Saturday to promote a healthy lifestyle with the local community. As a marathon runner, he is equally competitive in his personal life. He has run seven marathons, including two world major marathons, most recently the Berlin Marathon in 2022 and the London Marathon in 2019.