



ASHIR A M

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Location: Dubai, UAE

POLYMER ENGINEER

PROFILE

Experienced Product Specialist with a demonstrated history of working in the Research and development field. Skilled in Polymer Chemistry, Project Management, material development, and Creative Problem Solving. Strong creative professional with a BTech - Bachelor of Technology focused in Polymer Chemistry.

EXPERIENCE

ENGINEER - TECHNICAL

MRF Ltd. Chennai (Sep 2019 - Nov 2021)

Executive Engineer at Research and Development Center,

- Part of Exploratory Compound Development team
- Initiates and executes Exploratory compound projects for PCR and Truck tires, helping company stay ahead of industry requirements
- Collaborated with global raw material suppliers to introduce new and futuristic materials to develop advanced compounds with tailored properties

ACHIEVEMENTS

- Developed Low rolling resistance base compound ever made in MRF for PCR tires
- Developed High abrasion resistance truck tire compound
- Development of Mousse concept compound for ride and comfort in PCR tires

SKILLS

- Polymer compound developments, Processing and testing
- Mixing, Extrusion and Molding
- Project management
- Research and Development
- Leadership, Management and Organizational Skills
- Good communication, team working and problem solving skills.

EDUCATION

BACHELOR OF TECHNOLOGY

Cochin University of Science and Technology (2015 - 2019)
Polymer science and engineering (CGPA 7.2/10)

DIPLOMA IN RUBBER TECHNOLOGY

Joint collaboration of Indian Rubber Institute and IIT
Kharagpur -2018

XII TH (STATE BOARD)

Pavandoor Higher Secondary School (2013-2014)
Percentage - 83%

PUBLICATIONS

- C.P. Reghunadhan Nair, P.K. Manshad , **A.M. Ashir** and S. Athul. Synthesis of 3-carbonoyl acrylic acid-functionalized polystyrene and an insight in to its role in cross linking and grafting of polystyrene on to natural rubber. **European Polymer Journal. Elsevier**. Volume 131, 2020, 109688.

TRAINING AND INTERNSHIP

- Training in Rubber Product Manufacturing and Testing, Rubber Research Institute of India (RRII) Kottayam, January 2018.
- Internship at Apollo Tires, Kalamassery. Cochin May 2018
- Training at Primus Gloves Kakkanad, Cochin. March 2019
- Hands on training on advanced FTIR/ HPLC/ Mass spectrometric/ SEM/ GPC/ DSC/ Raman Spectroscopic instruments, MRF, Chennai

PROJECTS AND SEMINARS

- Lowest rolling resistance base compound development for PCR tires, MRF 2020
- Academic project on Chemical modification of expanded polystyrene to make it a better candidate for recycling, 2018
- Academic Project on Rapid determination of TSC of NR latex using microwave oven. A fast and efficient method to characterize the Natural Rubber latex
- Attended the ASIA RUBTECH EXPO-2018 conference from 27th to 29th September 2018, Bengaluru
- Attended National Seminar on Current Trends in Polymer Science organized by Department of Polymer Science and Rubber Technology, CUSAT, 2018

AREAS OF INTEREST

- Polymer chemistry
- Research and Development
- Polymer Testing
- Business strategy
- Mechanical testing, failure analysis
- Quality control and quality assurance
- Fitness, Travel

PERSONAL PROFILE

Languages : English, Malayalam, Hindi, Tamil
Marital status : Single
Address : Dubai, UAE
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Visa status : Visit visa