


# Ahamed Ravooof A

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## Summary

- An enthusiast in Rubber Technology wishes to maximize R&D skills that promotes organization towards sustainability & Learned Advanced Compounding Materials for PCR & Curing in OTR with one year on internships.
- Able to analyze silica-filled compound performance & processing behavior using different characterization techniques.
- Capable of understanding low & high aspect ratio fillers influence in the rubber compound dynamic properties and barrier properties.
- Conceptualized Sustainable Elastomer Development at Michelin Mobility Innovation Challenge.
- Developed rubber compound based on UHMW-EPDM for PCR Tread application.
- Visualized importance of ENR based tread compound for TBR application.

## Experience



### R&D Project Intern

CEAT Limited

Sep 2020 - Present (8 months +)

Advanced Compounding Materials Research for PCR

Advanced Qualitative Analysis of Filler System with Special emphasis on Silica



### Manufacturing Technology Project Intern

Yokohama Off-Highway Tires

Dec 2018 - Mar 2019 (4 months)

Cure Cycle was Optimized through Dome Boosting Technique.

## Academic Project Work

1. Advanced Compounding Materials Research for PCR.
2. Cure Cycle Optimization through Dome Boosting Technique.
3. A Novel Approach-UHMW EPDM for PCR Tread Compound.

## Education



### Anna University Chennai

Master of Technology - MTech, Rubber Technology

2019 - 2021

CGPA 8.73\*



### Kamaraj College of Engineering and Technology

Bachelor of Technology - BTech, Polymer Technology

2015 - 2019

CGPA 7.04



## **Trinity Academy Matriculation High. Sec. Residential School-Namakal**

High School, Computer Science

2013 - 2015

### **Skills**

- New Rubber Compound Development.
- Research Knowledge in Advanced Compounding Materials in Tyre compound.
- Understanding Particulate Filler Reinforcement & Performance in Rubber compounds.
- Silica filled Compound Performance Analysis.
- Silica Characterization.
- Cure Cycle Optimization.
- Tyre Science & Technology.

### **Certifications**



**Advancement in Compounding & Testing of Rubber Products** - Indian Rubber Manufacturers Research Association (IRMRA)



**Chemistry - Building Blocks of the World** - Swinburne University of Technology Sarawak Campus



**Agriculture and the World We Live In** - Massey University



**In plant training** - Yokohama Off-Highway Tires



**Innovation for Powerful Outcomes** - Swinburne University of Technology



**Diploma** - Anton Paar USA

### **Honors & Awards**



**ENR based Truck Tyre Tread Compound (Merit Certification)** - Kamaraj College of Engineering and Technology

Sep 2017

Awarded as Department level best project.



**Student for Contribution Towards Rubber Technology** - All India Rubber Industries Association

Feb 2019