

**AJITH G PALACKAL (Compounder- Scientist-C)**

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**CAREER OBJECTIVE**

*To establish a niche for myself in the polymer industry by combining professional qualifications and experience with dedication and teamwork for the betterment of the organization and myself.*

**OVERVIEW**

An experienced Rubber Technology graduate with 4+ years' experience in handling R&D operations. It includes compound development, analysis of compound performance, industrialization of products and compounds, reverse engineering of tyre. Expertise in value-added projects, evaluation of new materials, and quality assurance. In-depth knowledge of testing procedures by following ISO and ASTM standards.

**WORK EXPERIENCE**

Period	Company	Job role	Year
4+ Years	Hari Shankar Singhanian Elastomers & Tyre Research Institute (JK Tyre Global R&D)	Product development and Industrialization (Scientist - Grade C)	Present
<b>Current Job Role:</b> Working on rubber compounding, processing and testing with respect to tyre application, Learning about Quality Check (QC) of raw materials and significance, Learning and developing skills on rubber and rubber chemicals structure-property-performance relationship for tyre and other rubber goods application.			

**COMPETENCY MATRIX****Compounding**

- Have knowledge in compounding of TBB, OTR, OHT, 2/3W, EV, LCV, Tube, Flap, Bladder and Re-tread.
- Value engineering project in tube compounds. (14Cr INR / Yr. profit)
- Value engineering project in Farm Irrigation Compound. (18 Lacks INR / Yr. profit)
- Value engineering project in Bias Compound (Avg of 30Cr. INR / Yr. profit)

**Product industrialization.**

- TBB, OTR, Farm, 2/3 Wheeler, EV, Tube, Flap, Bladder, Re-tread- industrialization & Plant Support.
- Worked as a R&D compound industrializer throughout the 4years and support in trials and technical support in 12 different plants throughout India

**Field evaluation**

- Continuously follow up the developed/modified product performance & Conduct joint inspection to resolve field complaints.

**Reverse Engineering**

- Conducting field tyre reverse engineering to identify the product issue and the change in properties throughout the tyre life.
- Do reverse engineering in competitor tyre to identify the new technologies developed.

### Team Management

- Carry out performance reviews with top management on product performance providing feedbacks an area of development to be done. (CDRM Meetings)
- Preparing yearly training calendar with HR depending upon new developments in tyre industry

### PROJECTS

- **Compound development for product**
  - Low RRC Re-tread compound for radial applications
  - New tube compound for heavy duty radial tyre to resolve field crack issue
  - New tread cap compound for high grip sporty motorcycle application
  - New cut resistant compound for underground mining tyre
  - New inner liner compound for OTR applications
- **Value engineering Projects**
  - TBB compound cost reduction by introducing micronized crumb rubber
  - Compound developed for mileage improvement in two wheelers
  - Value engineering in tube compound(Cure cycle reduction)
  - Value engineering in farm rear tyre compound with compounded rubber
  - Compound modification for USA trailer application
  - Cure cycle reduction in TBB compounds
- **OEM Projects**
  - RRC improvement project in TBB tyre for TML(TBB)
  - RRC improvement projects for Bajaj auto(3wheeler)
  - New compound developed for Ashok Leyland truck(Defence vehicle)
  - RRC improvement project for Honda (2 wheeler)
  - RRC improvement project for e-rickshaw.
- **Homologation projects**
  - REACH compliance in farm tyre compound
  - DOT compliance for TBB
  - GSO compliance for TBB
  - ISI compliance for TBB

### ACADEMIC PROFILE

DEGREE	DISCIPLINE	SCHOOL/ COLLEGE	BOARD/ UNIVERSITY	YEAR OF PASSING	SCORE
PG	PGDIRI Post-Graduate Diploma in Rubber Technology	IRI- Indian Rubber Institute Karnataka, India	Indian Institute of Technology, Karagpur (Board of exam)	2020	NA
B.VOC	B.VOC RUBBER TECHNOLOGY	Tripura University Agartala, Tripura, India	Tripura University	2018	CGPA: 7.92
+2	Bio science	Govt Boys Higher Secondary School, Puthuppally, Kottayam	HSE	2014	60.66%
10		M.D.S Higher Secondary School, Kottayam	SSLC	2012	73.65%

## **CO - CURRICULAR ACTIVITIES**

- Achieved A Grade certificate in NCC under the Ministry of Defense Govt of India
- Achieved B Grade in Student Police Cadet Project under the District Police, Kerala State
- Scored B grade in “Chendamelam ” at Kerala School Kalolsavam.
- Active in School/ College Athletics.

## **PERSONAL STRENGTH**

- Confident and creative
- Willingness to learn and improve
- Quick learner and Team Player
- Analytical thinking with effective problem solving skills
- Ability to work accurately and pay attention to details
- Capable of grasping new concepts quickly
- Good Inter-personal communication skills

## **PERSONAL PROFILE**

Date of Birth : 11-Nov-1996  
Nationality : Indian  
Gender : Male  
Marital Status : Single  
Languages : English, Malayalam, Hindi, Tamil, Kannada, Bengali.

## **Declaration:**

I hereby declare that all the statement furnished above are true and correct to the best of my knowledge and belief. I consider myself familiar with my branch and confident of my ability to work in a group. I sincerely hope that I will get a chance to prove my knowledge and ability.

Place:

Kottayam, Kerala

Sincerely.

Ajith G Palackal