



Shashank Bhatt, MSc.

RUBBER TECHNOLOGIST | RESEARCH AND DEVELOPMENT | INNOVATION | QUALITY ASSURANCE | PRODUCT DEVELOPMENT | LEARNER | TEAM PLAYER

About me: 1.2 years of Post-M.Sc. experience in Quality Assurance / Management and Product Development in the field of Rubber technology. I would describe myself as technically-astute, analytical, resourceful and dependable. An innovative, result-focused technologist with a passion about multi-disciplinary research.

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EXPERIENCE

Indian Rubber Manufacturers Research Association, Thane— QA & Product Development Trainee

July 2020 – PRESENT (1.2 Years)

- Working on a project entitled – Synthesis of flexible polyurethane foams in leak proof application in OTR tyres as well as automotive applications.
- Working on a project entitled — Synthesis of Guar-Gum based sealants for construction application.
- Assisted in Internal audit as well as audit conducted by NABL and BIS.
- Documentation of ISO/IEC 17025:2017 and ISO 9001 in BIS and NABL portal
- Handled equipment like FTIR, TGA, DSC, GC-MS, ICP-OES, HPLC, UTM, MDR, RPA, DMA, Flexometer, Rolling Resistance Machine, Tyre Profilometer etc.

National Sun Yat-Sen University— Research Scholar

September 2019 – February 2020 (6 Months)

- Received a PhD Scholarship in National Sun Yat-Sen University, Kaohsiung Taiwan.
- Hands on experience on NMR, ATR, and FTIR as well Li-Si batteries fabrication and testing.
- Presented and attended a seminar in the organic department during my tenure.

Silgates Solutions Limited— Sales & Marketing Executive

March 2012 – September 2015 (3.6 Years)

- Worked as a sales and marketing executive in an international process (USA & UK Process)
- Mentored and managed a team of 25 Members during my tenure.
- Developed a positive team relationship by being supportive, visible and easily accessible and resolve challenges in urgent and deliberate manner.

Area of work Interest.

- Research & Product Development
- Quality Assurance/Quality Control
- Technical Marketing.

SKILLS

Research	★ ★ ★ ★ ★
Team Player	★ ★ ★ ★ ★
Critical thinking	★ ★ ★ ★ ☆
Problem solving	★ ★ ★ ★ ☆
Rubber chemistry	★ ★ ★ ★ ☆
Synthesis	★ ★ ★ ★ ☆
Blend & Composites	★ ★ ★ ★ ☆
MDR	★ ★ ★ ☆ ☆
Reverse Engineering	★ ★ ★ ★ ☆
FTIR/ATR	★ ★ ★ ★ ☆
Technical Marketing	★ ★ ★ ★ ☆
Thermal analysis	★ ★ ★ ★ ☆
Mechanical analysis	★ ★ ★ ★ ☆
SEM	★ ★ ★ ★ ☆
GCMS-HS	★ ★ ★ ☆ ☆
ICP-OES	★ ★ ★ ☆ ☆
HPLC	★ ★ ☆ ☆ ☆
Processing	★ ★ ★ ★ ☆
Photoshop	★ ★ ★ ☆ ☆
Origin	★ ★ ★ ★ ☆

Other Software:

Chemdraw,
Origin 8.5,
Photoshop,
MS-Office

EDUCATION

University of Mumbai, Mumbai— *MSc.*

August 2017 - April 2019

- Completed my Masters with First Class (Percentage – 69.20%) and completed my project under the supervision of Dr. Bharat Kapgate.
- Worked in a project titled ‘To Study the Synergistic Effect of Graphene oxide with Different Grades of Carbon Black in SBR/BR Blend for Tyre Tread Application. (Under Communication). Graphene Oxide is a versatile material and it has found application in various fields. In Rubber it is mostly used to improve Physio-Mechanical Properties, Thermal & Electrical Conductivity, and Impermeable Properties.
 - Objectives:
 1. Preparation of Graphene oxide polymer material composites.
 2. To investigate effect of Graphene oxide on mechanical properties.
 3. To investigate effect of Graphene oxide on thermal & electrical properties.
 4. To improve impermeable properties..
- Handled equipment like FTIR, UV, DSC, TGA, DMA, ICP, MDR, UTM, GC-MS, Brabender, Single screw extruder, Compression molding etc.
- Presented a Poster in an International conference on ‘Emerging trends in Rubber Materials. Technology, Testing & Analysis for Future Generation.’
- Organized a workshop in IRE EXPO 2019 held by AIRIA.
- Worked as an intern in Customer Service Cell (CSC) in IRMRA for 2 Months.

VPMR. Z Shah College, Mulund— *BSc.*

June 2014 - March 2017

- Completed my graduation with First Class (Percentage – 71.66%) in the year 2017.
- Earned Practical and theoretical knowledge in Organic, Inorganic, Physical and Analytical Chemistry.

DECLARATION

I hereby declare that all the information stated by me is authentic to the best of my knowledge

Date: August 2021

Place: Thane

HOBBIES

- Travelling
- Listening Music
- Trekking
- Playing cricket
- Online Streaming

LANGUAGES

English ★ ★ ★ ★ ★
Hindi ★ ★ ★ ★ ★
Marathi ★ ★ ★ ★ ☆

TRAINING COURSES

BIS Lims Training conducted in IRMRA, 2021

Uncertainty Training conducted in IRMRA, 2020

Completed MS-CIT course

PERSONAL DETAILS

Date of Birth : 13th March 1993

Gender : Male

Marital Status : Single

Address : 24th 2nd Floor,
Saraswati Niwas,
Sawarkar Nagar,
Thane (W) - 400606

REFERENCES

Dr. Bharat Kapgate, Assistant Director, IRMRA, Thane, India, Email: bk@irmra.org, Mobile: +91 9764093779.

Dr. Rupesh Rohan, Assistant Director, IRMRA, Sricity, Andhra Pradesh, India, Email: rr@irmra.org, Mobile: +91 7275247393.

Dr. Soumen Sardar, Senior Project Fellow, IRMRA, Thane, India, Email: pstss77@gmail.com, Mobile: +91 7044203085

Shashank B. Bhatt