**Namrata R. Bhalerao** EMail:**bhalerao.namarata@gmail.com**

**Mobile: 8390533355**

**Objective**

*To achieve professional excellence through application of my acquired knowledge towards the growth of an organization.*

**Academic Credentials**

2013 M.Tech in Chemical engineering from Amaravati University with 78%.

2006 B Tech in Polymers-Plastic from Amaravati University with 85.4%.

2002 School education from Kendriya Vidyalaya No.1 Surat.

2022 Patent Agent

2022 Pursuing LLB from Modern Law College Pune.

**Organisational Experience**

***Patent Analyst Responsibilities (R K DEWAN & COMPANY from 2019 to till date)***

* Carried searches for commercial and government clients: Patentability, Freedom to Operation, Novelty, PCT examination and invalidity search.
* Effectively utilized variety of patent and scientific databases and open sources such as Minesoft PatBase, Questel Orbit.
* Drafted response to FER, office actions, hearings, pre-grant and post grant hearings.
* Drafted complete and provisional specification.
* Interacted effectively with customers in determining the scope of searches.
* Delivered final reports, summaries and recommendations to company clients.
* Acted as individual contributor, depending on the nature and complexity of the case.
* Predominantly performed invalidity and patentability searches.
* Drafted informative reports that clarified and summarized search results.
* Conducted qualitative analysis of patents and patent portfolios.
* Examined international PCT applications for compliance with WIPO policy and PCT Rules/Articles.
* Coordinated to ensure deadline compliance for the applications.

***Academic Responsibilities (MIT PUNE FROM 2013-2016)***

* Conducting classes of UG & PG. Courses included packaging technology, plastic waste management, surface coating technology, Paints & Adhesives,elastomer technology & polymer materials
* **Providing inputs/technical support for student’s projects.**
* Responsible faculty for Student Welfare Activities**.**
* Played a role of overall coordinator for a three day National level event “Affinity & Confluence” held from 20th-22nd of March2016.
* Performed the duty of Coordinator for BE projects.
* Was a member of organizing committee of state level workshop.

***Industrial Responsibilities (ITW INDIA LTD FROM 20011-2013)***

* Worked as an APQP Executive in new product development department.
* Support the early identification of change, both intentional and incidental.
* Supplement product development process by adding a focus on risk as a substitute for failure.
* Explore the manufacturing techniques and measurement methods that will be used to bring the design engineers vision into reality by using PFMEA and control plan.
* Develop a product quality plan integrated into program/project timeline.
* Planning a structured method of defining & establishing steps necessary to ensure that a product satisfies the customer.
* To prepare PPAP documents.
* To provide a common path and synchronization of product development activities. To ensure communication both within a company and between a company and their customer.
* DV Plan must be approved and complete with verification of conformance to requirements.
* Responsible for tooling and gauge design complete for production and measurement of component.
* To cross-functionally review PFMEA in order to meet requirements.
* To look after all the performance testing, chemical and dimensional reports given in DVP.
* To fill the risk analysis & check the feasibility.

***Academic Responsibilities (Shree Shivaji Engineering College Amravati University from 2006-2011)***

* Responsible lecturer for Chemical, Polymer & Plastic Composites.
* **Responsible for writing protocols and reports of the scientific experiments carried out in the laboratories.**
* **Providing inputs/technical support for student’s projects.**
* Responsible lecturer for Student Welfare Activities**.**
* Guide/Mentor for Projects & seminar.
* Coordinator for arranging industrial visits and national seminars**.**
* Anchoring for a national level event Poly-Era.

**Other Achievements**

* **Qualified MPSC** for the post of Lecturer in Plastic & Polymer, in Government Polytechnics, under the Directorate of Technical Education, Maharashtra Technical Education, Maharashtra Polytechnic Teachers Services, Group-A-2009.

**TECHNICAL ACHIEVEMENTS:-**

Presentation and Awards:

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| **International Level** | | | | |
| 1 | Plastic Waste Management | ICRM - 2009 | Mahatma Gandhi University  Kottayam Kerala | Invited Talk |
| 2 | Pyrolysis: Traforms Waste Plastic into Fuel and Energy | ICSWM-2009 | Jadavpur University,Kolkatta | First  Consolation |

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| --- | --- | --- | --- | --- |
| **National Level** | | | | |
| Sr No | Title of Paper | Event | Place | Awards |
|  | Conducting Polymer | Poly Impetus-06 | LIT Nagpur | Second |
|  | Polymer Magnet | Poly-Era-2005. | COETA Akola | First |
|  | Plastic Waste Management | Techno millennium 2004 | MIT Aurangabad | First |
|  | Plastic Waste Management | Poly-Vision-2004 | LIT Nagpur | First Consolation Prize |

**PAPER PUBLISHED**

1. Modern Plastics & Polymers Vol 9 No31 August 2013 “Energy generation from Plastic Waste”.Miss N R Bhalerao & Prof G S Zamare.
2. Modern Plastics & Polymers March-2009 issue “Water Soluble Polymer! Budding Solution” Prof N R Bhalerao, Dr P.V.Thorat, Prof S.N.Nemade & Prof D.P.Sakarkar.
3. Packaging India April May Issue 2009 “Seed Coating Polymers” Prof N R Bhalerao, Dr P.V.Thorat, Prof S.N.Nemade & Prof D.P.Sakarkar.
4. Reviev Article: Packaging India June July Issue 2009 “Isocyanate Free Polyurethane” Prof N R Bhalerao, Dr P.V.Thorat, Prof S.N.Nemade & Prof N.G.Deshmukh.
5. Reviev Article: Modern Plastics & Polymers Feb-March-2007 issue “Luminiscent Polymers”Prof N R Bhalerao, Dr P.V.Thorat, Prof S.N.Nemade & Prof N.G.Deshmukh.

**Co-Curricular Activities**

* Did anchoring in a National level paper presentation completion “Poly-Era”
* Achieved Rajyapal Puraskar in scouts & guides.
* Attended Rashtrapti puraskar camp in scouts & guides.
* Member of SRC in college.
* Coordinator for national level paper presentation in MIT Pune.
* Participated in cricket tournament at college level.
* Participated in Kho-Kho at school level

# **Six sigma Tools and Techniques studied**

* Cause and Effect Diagram
* Failure mode and effect analysis
* Correlation and Regression Analysis
* SIPOC (Supplier Input Process Output Customer Analysis)
* Process Mapping
* DMAIC Cycle1

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| **Software Skills** |

* CATIA V5 (Part modeling, Assembly & Drafting)

-Solid modeling, assembling & drafting

-Creation of generative drawing for the part, Assembly and GD&T

-Incorporating design changes

-Design modification and development

-Having the knowledge of surface modelling

**Computer Skills**

* MS Word
* MS Excel
* MS PowerPoint
* C, C++

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| **Member Ship** |

* Life member of **IPI (Indian Plastic’s Institute)**

**Personal Details**

Date of Birth: 11th October 1984

Address: Aspen104, Gulmohar Goldcoast, Behind EON IT Park, Rajaram Patil Nagar Kharadi Pune.