

SAMEER BURNEY

Address:

H.No. 883, StreetNo-30/5, Jafrabad
Pin Code-110053
Delhi, India

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Objective:

To obtain a position in a globalized environment where I can use my technical as well as people skills to contribute towards individual and organizational growth and be in the learning and improvement process throughout.

Education:

Bachelor of Technology (Polymer Science and Chemical Technology) Completed, 2012-16

Delhi Technological University, Daulatpur, Delhi-110042, India.
Passed with an aggregate of **77.14 %** marks

Higher Secondary Class (12th), March 2011

CBSE Board
Govt. Sarvodaya Bal Vidyalaya, Timarpur Delhi-110053, India.
Passed with an aggregate of **73.17 %** marks

Secondary Class (10th), March 2009

CBSE Board
Sardar Patel Public Sr. Secondary School, Karawal Nagar, Delhi-110094, India.
Passed with an aggregate of **76 %** marks

Key Skills:

- Operating knowledge of UTM (universal testing machine), Izod impact tester, DSC, TGA & MFI.
- In Paints section, Operating knowledge of Digital Rotothinner, Rotogravure printing, UV test machine, Bead mill, Ball mill, Sand mill, Pot mill, Attritors, Pug mixer, Spectrometer, Impact tester, Elcometer, Wet abrasion scrubber resistance meter & Dispensing machine.
- Operating knowledge of Injection & Compression moulding machine, Single and Twin Screw Extruder, Blown film plant, Wet Spinning & Electro-spinning Machine.

Programming knowledge and computing languages:

- Basic knowledge of computing languages like C and C++.
- Basic knowledge of computer.
- AutoCAD, COMSOL.

Training and tour:

- 1) **To Analysis of manufacturing processes and testing of paints. Some routine works at operating panel were also observed.**
Company: British Paints Limited, Sikandrabad, U.P, India.
Duration: Dec. 1, 2013-Jan. 1, 2014.
- 2) **To Study of different oil refining processes and different polymer units like HDPE, polypropylene and swing unit etc. Some routine works at operating panel were also observed.**
Company: Indian Oil Corporation Limited, Panipat, Haryana, India.
Duration: June 1-July 15, 2014.
- 3) **To Develop the formulation for very low density soft foam (density-10kg/m³) with the different combination of soft polyol and normal polyol to achieve the feel of fiber.**
Company: SHEELA Foam Pvt. Ltd, Greater Noida, UP, India.
Duration: Dec. 6, 2014-Jan. 6, 2015.
- 4) **Project on Literature search on PolyOlefin's Graphene Oxide Composites.**
Company: Indian Oil Corporation Limited, R&D center, Faridabad, Haryana, India.

Duration: Jan. 12-Feb. 12, 2015.

5) To Introduce the Extrinsic Self-healing to Polymers.

Company: Centre for Fire, Explosive and Environment Safety (CFEES), DRDO, Timarpur, New Delhi, India.

Duration: June.2-Aug.2, 2015.

6) To Study the effect of various Defoamers with Wetting agents in Acrylic Emulsion.

Company: Uflex Limited, Chemicals Division (R&D), Noida, Uttar Pradesh, India.

Duration: Dec. 24, 2015-Jan. 22, 2016.

Academic Projects:

1) Self-Study Project on Polymer Blends & Alloys.

(August 2013 to December 2013)

This project showcased the advancement in the field of Material Science and aimed to provide theoretical knowledge of Polymer Blends and alloys, its types, manufacturing process, characterization & commercial applications. This project was done under the supervision of Dr. D. Kumar (HOD), Department of Applied Chemistry and Polymer Science, Delhi Technological University, India.

2) Self-Study Project on Polymers & Different Additives.

(January 2014 to May 2014)

This project showcased the advancement in the field of Material Science and aimed to provide theoretical knowledge of different additives which are used at commercial level to enhance the properties of particular polymer. This project was done under the supervision of Dr. D. Kumar (HOD), Department of Applied Chemistry and Polymer Science, Delhi Technological University, India.

3) Dope dyeing of Acrylic Fibres with natural dyes (Curcumin).

(August 2014 to December 2015)

This project is based on the dope dyeing of Poly-Acrylonitrile (PAN) with Natural Dye as a coloring agent and incorporating anti-microbial property of Curcumin in the fiber. Wet-spinning process was carried out for the formation of fibers and testing machines: FTIR, UV-Vis Spectrometer, Tensile testing, LAB value, Wash Fastness, Differential Scanning Calorimeter, Thermo-gravimetric Analysis, X-ray Diffraction, Scanning Electron Microscope and Anti-Microbial test were also carried out. This project was done under the supervision of Dr. Roli Purwar, Assistant Professor, Department of Applied Chemistry and Polymer Science, Delhi Technological University, India.

4) Self-Study (Seminar) Project on Electroactive Polymers.

(January 2016 to May 2016)

This project showcased the advancement in the field of Material Science and aimed to provide theoretical knowledge of Electroactive polymers, their synthesis processes, applications, merits & demerits. This project was done under the supervision of Dr. D. Kumar (HOD), Department of Applied Chemistry and Polymer Science, Delhi Technological University, India.

5) Development of Anti-microbial Air filtration mask.

(January 2016 to May 2016)

This project is based on the dope dyeing of Poly-Acrylonitrile (PAN) with Natural Dye (Ratanjot) as a coloring agent and incorporating anti-microbial property of Ratanjot in the fiber and testing machines: FTIR, Differential Scanning Calorimeter, Thermo-gravimetric Analysis, Scanning Electron Microscope, RSPM (Respirable Suspended Particulate Matter) and Anti-Microbial test were also carried out. Electro-spinning process was carried out for the formation of Nano-fibers. This project was done under the supervision of Dr. Roli Purwar, Assistant Professor, Department of Applied Chemistry and Polymer Science, Delhi Technological University, India.

Professional Experience:

1) Pluss Advanced Technologies (P) Limited.

(October 2016 to May 2017)

(Working as an Associate-Quality Control & MR at Bawal based Plant)

- Responsible for all levels of quality control/quality assurance.
- Monitored chemical and physical test procedures and results. The retest rate decreased by 10%.
- Worked closely with the production and R&D departments to improve processes.
- Analyze test reports to reduce the non-conformity and troubleshoot the technical problems to make process effective.
- Ensuring good quality of incoming raw material, in process and finished goods through a team of 4 qualified supervisors.
- Root cause analysis of NCs and work with different departments to take preventive and corrective measures.

- Maintaining quality control documents as per ISO 9001:2008.
- Maintaining QC lab instruments by periodical maintenance and calibration.
- Providing training to quality supervisors to improve their skills for better quality inspection.
- Carrying out internal and external Quality management audits.
- Maintain records for ISO audit and act as Management representative.
- Designed, created and implemented initial Standard Work Instruction driving Product Standardization.

2) Berger Paints India Limited.

(June 2017 to September 2017)

(Working as Technical Sales Officer at Chandigarh)

- Provide technical assistance for customer problem resolutions and quality improvement.
- Provide Marketing and Sales with competitive cross-references, technical bulletins, product data sheets for the manual, label directions training manuals and other technical writings.
- Investigated and reported batch problems to Marketing and R&D that improved quality of product during shelf life and prevented problems and costs associated with condition of batch.
- Shared product knowledge with customers while making personal recommendations.
- Demonstrated that customers come first by serving them with a sense of urgency.
- Worked as a team member to provide the highest level of service to customers.
- Maintained friendly and professional customer interactions.
- Verified that all merchandising standards were maintained on a daily basis.

3) Pluss Advanced Technologies (P) Limited.

(September 2017 to Present)

(Working as an Associate-Quality Control and R&D at Bawal based Plant)

- Responsible for developing design concepts of polymer materials and provide necessary recommendations to improve product specifications, if required.
- Handle the tasks of developing processes and new applications for manufactured polymer products.
- Assigned responsibilities of supporting development teams towards product improvement and application feasibility.
- Perform the tasks of managing projects and analyzing root cause failures in the developed products.
- Responsible for preparing drawings, determining feasibility of design, and reviewing product manuals.
- Ensure that the manufactured and delivered product meets quality standards and guidelines.
- Maintained safety of the lab and oversaw safe operation of lab facilities.
- Supported and assisted in new product developments and existing product improvements.
- Prepared and maintained timely and accurate records of experiments, test results, conclusions, and project updates.
- Develop a low molecular weight grafted material for increasing the adhesive strength.

Extra-Curricular Activities:

- Won first prize in All India Karate Championship 2005.
- Two times Participate in All India Priyadarshni Arts & Painting Competition.
- Awarded certificate of merits and scholarships throughout my schooling.
- Participated in various music, drama and dance competitions at school.
- Presently Member of IPI (Indian Plastic Institute).
- Volunteer in Technical fest "TATVA" in 2014.
- Event Head of Technical fest "TATVA" in 2015.
- Event Head of "ARENA" in 2016.
- Selected for Poster Presentation at APA 2015 Conference on Advancements in Polymer Science & Technology at Rajkot, Gujarat, India.
- Selected for Poster Presentation at CRSI 2016 National Symposium in Chemistry at Punjab University, Chandigarh, India.
- Certified Internal Auditor for ISO 9001:2015, by TUV NORD India.
- Attended "Lean Manufacturing Awareness Training programme in 2019", conducted by TUV NORD India.
- First Aider, Certified by Red Cross, Rewari.

Skills/Hobbies:

- Comprehensive knowledge of polymer structure-property relationship.
- Vital knowledge of polymer characterization, fabrication, and product validation processes.

- Good public speaking and interpersonal skills.
- Extensive experience of research, formulation, processing and validation of polymer materials.
- Sound knowledge of polymer testing, analysis and characterization, and commercialization methods.
- Ability to develop and execute experiments related to polymer materials.
- Ability to work methodically and to utilize available resources efficiently.
- Willing to continuously learn and keep myself updated with the latest technologies in the field.
- A systematic and enthusiastic event organizer.
- A firm believer in team spirit.
- Particular about the conduct and functioning of my team, especially with respect to conduct and meeting deadlines.
- A good knowledge of computing techniques and presentations.
- Playing Cricket and Basketball, Listening to Music.

Personal Information:

Name	Sameer Burney
Father's Name	Mohd. Javed Burney
Date of Birth	Sep. 30, 1994
Nationality	Indian
Sex	Male

References:

- 1) Dr. Roli Purwar, Assistant Professor, Faculty of Applied Chemistry and Polymer Science, Department of Applied Chemistry and Polymer Science, Delhi Technological University, Delhi. (+91-9711114165).
Email id:-roli.purwar@gmail.com
- 2) Mr. M.I Khan, Ex-GM & Senior specialist, Transmission Business Group, BHEL, Noida (U.P), (+91-9045825109).
Email id:-mikhanbhel08@gmail.com
- 3) Dr. P.K Roy, Scientist "F", Centre for Fire, Explosive & Environment Safety (CFEES), Defense Research & Development Organization (DRDO), Timarpur, New Delhi. (+91-9868241820)
Email id:-pk_roy2000@yahoo.com

I hereby declare that all information given above is correct to the best of my knowledge and belief.

Date: _____

Place: _____

SAMEER BURNEY