**Hiral**

**Hiral.332242@2freemail.com**

**PROFILE**

Worked with Hindustan Unilever Limited, Home Care division for Pureit R&D- Global Design Center (GDC) since 12th October 2012 till 31st December 2016 and managed the role of R&D Associate – Product development

**SKILLS**

Over six plus year research and development experience in research centre and Fast Moving Consumer Goods (FMCG) industries. Champion in Innovation, Quality improvement and Value improvement projects.

* **Innovation Projects:** Technology leading OTIF delivery of water purifiers *viz.* Marvella RO HOT, Compact with Halo Pure technology, Compact Hot, Marvella Cold, Gravity Excella with biocide and membrane technology, Marvella RO Ultima refresh

Well versed in connecting with different functions such as Safety, Regulatory, Patent, and Legal in order to get approvals from each functions for flawless executions of project.

* **Quality Improvement and Value Improvement Projects:** Experienced in rolling out of Quality Improvement and value engineering projects in order to deliver superior products.
1. Reduced quality complaints in the core segment by reengineering of the Germ-Kill Kit (GKK) and improving manufacturing process through continuous engagement with SC partners.
2. Successfully completed quality improvement project on addressing early GKK expiry in China by altering specifications of end of life indicating cartridge.
3. Completed recalibration of GKK for core segment as per market standards to expand the sales volumes.
4. Successfully completed 3 value improvement projects on addressing consumer complaint on gravity purifiers
* **Formulation & Technology Development:** Developed various formulations for improving quality of drinking water as per US-EPA/NSF and other country standards.
1. Developed and implemented halo pure (bromine) cartridge to address China consumers for drinking safe water.
2. Developed cost effective pre filtration system based on activated carbon formulation used in various water purification systems.
3. Developed vitamin and micronutrient based tablet formulation for providing essential vitamins and energy micronutrients through purified water.
4. **Tablet Manufacturing:** Skilled in handling of lab scale to plant scale tablet manufacturing on rotary tablet press using granulated or direct compression grade highly oxidizing as well as food grade materials.
5. **Granulation:** Acquainted with various type of granulation techniques such as rapid mixing granulation process and dry granulation.
* **Vendor Development/3P Management:** Experienced in development of vendors for alternate supply of raw materials through capability development and validation.
1. Developed alternate vendor for supply of different types of cost effective adsorbents, media, and resins used in water purification systems.
* Established and managed 3P laboratories for rapid testing of Pureit products across cities of India
* **Training and Education:** Skilled in training and handling of team for laboratory work through designing of experimental methods, methods validation, making of technology transfer dockets, QC protocols for factory etc.
* **Analytical Skills:**

Acquainted with and maintained various laboratory equipments like UV visible spectrophotometer, laminar air flow, fluorescence microscope, Microscope, Hot air oven etc along with regular laboratory equipments required in microbiological labs

* **Software Skills**

Windows, Microsoft Office, Microsoft Excel, SciFinder, TIS portal PAT base, etc

* **Audit faced**

HUL, NABL and Internal Audit

**General Skills**

* Creative thinking
* Adaptability and flexibility
* Analytical and problem solving and decision making
* Willingness to learn

**Standards of Leadership**

* Bias for action
* Accountability and responsibility
* Consumer and customer focus

**Extracurricular activities @ HUL**

* Safety Champion for GDC water laboratory for year 2013 – 2014.
* Laboratory in charged for GDC water laboratory for year 2013 - 2016

**EDUCATION**

* M.Sc in Microbiology from Mithibai College, Mumbai University, in April 2010with First Class
* B.Sc in Microbiology from Jai Hind College, Mumbai on April, 2008 with First Class
* HSC from Maharashtra State Board on February 2005 with First Class
* Passed SSC from Maharashtra State Board on March 2003 with First Class

**WORK EXPERIENCE**

* **December 2013 to December 2016- R&D Associate-Product Development, Hindustan Unilever Limited**

**Work profile:**

* Leading Innovation Project end to end from ideation to implementation phase
* Generate data for Consumer, Occupational, Environmental, and sustainability assessment
* Connecting with various functions e.g. Safety, Regulatory, Legal and Patent for launch clearance.
* Working together with marketing partners, consumer technical insight team to design product.
* Conducting technology transfer from pilot scale to production scale. Preparing necessary dockets for smooth transfer of the technology
* Providing technical support and inputs while designing and validating Pureit different water purifiers
* Designing consumer relevant experiments so as to ensure product land flawless in market
* Validation of prototypes for functional parameters and their correct reporting
* Interpretation of data and suggestion for design & / or technical modifications required in prototypes to achieve desired results Conducting Risk assessment and implementing risk mitigation plans for a project
* Successfully launched 5 water purifiers in India as well as China
* Claim support validation.
* Chasing competition and patent
* Competitor product benchmarking
* Managing budget and ensuring optimum product design within the agreed product cost.
* Managing open innovation partners through continuous engagement for quality and timely deliveries of innovations.
* Leading in assessing and solving quality complaints in field
* To overcome any competitor or consumer challenge by preparing effective documents through testing of product
* Conduct effective demos on Pureit purifiers and factory trails for different formulations
* Managing the team of 12 people (5 lab chemists and 7 lab assistants) in 3P labs across different cities of India for ensuring proper functioning of labs in terms of validation of Pureit devices and reporting of data.
* Maintaining lab safety practices in internal as well as external 3P labs
* **October 2012 – November 2013 R&D Co-ordinator with Water GDC Deploy, Hindustan Unilever Limited,**

**Work Profile**:

* Deployment of Pureit in countries like Indonesia , Brazil , Mexico , Middle America (Ecuador), Nigeria, Kenya, Ghana, Uganda, Tanzania and Philippines
* As a TPL representing GDC in particular country, analyze the impact of local conditions, consumers habit and water quality on the functionality and performance of water purifier, modify it to adapt local conditions thus help to give best possible product and minimize the consumer complaints
* Get local regulatory clearance with the support from the local regulatory team, prior engagement with global & local regulatory team, understand local regulations, modify the product to comply with local regulations, provide all the technical details to local regulatory team to get the approval from Government authorities/ authorized agencies for water purifier so as to launch on time
* Manage the networks for R&D related activities and liaise with different functions viz. RA, Marketing, SC, SM and finance for smooth and successful launch in these countries
* Execute product validations for country specific requirements, conduct transit trails and perform functional testing
* Support BD team on any planned activation (demo planned or artwork on a poster etc) develop an effective demo for business growth
* Actively supported local R&D team
1. To develop the accredited labs and get the endorsements as per international standards for purifiers for key claims
2. Train the local technical service team on purely technical aspects, which can help them manage complaints by their own
* **October 2010 – October 2012 Microbiologist,** Bhavans Researh centre, Mumbai

**Work Profile:**

* **Water**
* Water Quality Checking
* Accurately & timely completion of the records of Quality Control observations
* Preparation of specification and testing procedure
* Competitor water purifier device study for Bacteria, Virus, Cysts and Microspheres
* Trained from Hindustan Unilever Limited for Detection of Cysts and Microspheres
* Training new recruit’s for water analysis
* Handling UK –UL Water Project
* **Food**
* Analysis of food as per harmonized method
* **Cosmetics**
* Analysis of Raw Material, Finished Product and in process Products Respectively as per harmonized method
* Preparation of specification and testing procedure for finished product, Raw material and in-process sample for Microbial analysis.
* Global Harmonized Challenge test
* Antimicrobial Study of oil with *Malezzia furfur*
* Identification of microbial cultures
* Maintaining Meticulous Record and Documents of All Operating Procedure.
* Log book of equipments, Calibration records, Analytical reports, Quotation and Bills and Glassware Usage, Consumption & Destruction Records
* Carry out work distribution for the trainee – Microbiology on a daily basis. Review progress against plan on a weekly basis and recast plan if required, based on actual production and priorities.
* Routine Calibrations of all Instruments used in Microbiology sections

**AWARD AND APPRECIATION**

* At Hindustan Unilever Limited Awarded R&D Laureate award for being part of wining Water Deploy Team under Winning in market place – 2014
* Appreciated for exemplary services rendered in NUCAR organised by DAE- BRNS in association with Mithibhai College – 2009
* Certified as Life saver while completing training on basic Fire safety and emergency preparedness both theory and practical conducted by Usha Fire safety equipments Ltd
* Certified by Hindustan Unilever for enumerating cyst- protozoa under fluorescence microscope

**PROJECT**

* Project as part of M.Sc Dissertation on “Effect of Aloe Vera on Hair fungus” between December- March 2010 under the guidance of Dr. Dilip Kamat and Dr (Mrs). Shila Kamat in Mithibai College, Maharashtra.

**PRESENTATIONS, TRAINING & CONFERENCES ATTENDED**

* Assisted in conducting short term training program on “Techniques in molecular biology” at Bhavans Reseach Centre held in 2011
* Presented and Posted at UGC sponsored 3 days national seminar on Fungal Biotechnology organised by Mithibhai College held in 2010
* Participated in conference and workshop conducted b Thadomal Shahani Engneering College held in 2009
* Participated in work shop on Solid Waste vermicomposting organised by VES college in 2008
* Undergone 1 month practical industrial training in various production departments of Haffkine bio-pharmaceutical corporation Ltd viz. Quality Assurance, Quality Control (Biologial and Chemical), Bacterial Vaccine and pharmaceutical Departments in 2006
* Participated in Phyzex at Physics society of Jai Hind College held in 2005

**PERSONAL DETAILS**

Date of birth: 3rd February 1988

Nationality: Indian

Marital Status: Married

Linguistic Proficiency: English, Hindi, Gujurati and Marathi

Visa type” Tourist visa for 90 days (Expires on 31st March 2017)