Dr. Rushikesh Vilasrao Kadu

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Creative and business savvy **Research & Development professional with 14 years** of progressive experience across the broad range of R&D functions and diverse industry segments like **API and bulk drugs, Cortico steroids, CRO- contract research (CRAMS) and NMR analysis** proven ability to combine vision and creativity with well developed project management and leadership qualities to support the market needs.

Present status: Group Leader R&D (Designation: Manger- R&D-API)

Growth Path:

Since May 2011 till date, CADILA PHARMACEUTICALS LTD (http://www.cadilapharma.com/)

Credentials:

Patents and Training:

1) A novel process for the preparation of Venlafaxine and its intermediates. (Publication Number: **WO2007094008**)
2) A novel process for the preparation substantially pure intermediate of Montelukast Sodium. (Publication Number: **US20100022777**)
3) A provisional patent filed for non-infringing route of Fluticasone Propionate (Cortico Steroids) free from ester impurity (Publication Number: **3345/MUM/2014 A1**)
4) Completed training course of NMR by Bruker India Ltd at Indian Institute of Chemical Technology (IICT) Hyderabad and worked on 500 MHz NMR for four years at SBRC.
5) Attended IPR and QbD traing seminars for learning and development.

Professional goal:

- Seeking challenging career in research and development for API-bulk drugs, fine chemicals and/or CRAMS manufacturing in an organization of high repute.

Area of expertise includes:

Professional skills:

- Non-Infringement of the pre-existing patented drug molecules for regulatory and non-regulatory market.
- Process modification and cost reduction of existing APIs (DMF/NDMF) for cost saving projects.
- Support and responsible to RA/QA in response of regulatory/customer query
- Novel route fixation (Team work).

- Leading a team of scientists for API projects and monitoring detailed planning for execution of efficiency improvement by initiating backward integration.
- Successful scale up of lab process to commercial scale and plant troubleshooting and investigation
- Proficient in selecting, improvising and interpreting latest available Analytical techniques i.e. IR, NMR, Mass spectroscopy, chiral HPLC, Chemical HPLC, LC MS, XRD, DSC, TGA etc…
- Trained and proficient in carrying out DOE experiments for screening process parameters and optimizing process limits.
- Awareness of Quality by design (QBD) and Quality Risk Management (QRM)
- Planning, scoping, estimation, tracking & implementation of project plans within preset budgets and timelines and coordinating projects for the set up facilities.

Personal skills:

- Managing teams to work in synchronization & motivating them for achieving business and individual goals.
- Conceptual clarity, decision making ability, sense of proportionality and responsibility.
- An effective communicator with excellent relationship building & interpersonal skills.
- Strong analytical, problem solving. Strategic thinking and planning for execution. Possess a flexible & detail oriented attitude.
- As a Team leader, managing and communicating the status of deliverables to R&D head and concerned in the organizational hierarchy.

Functional responsibilities:

- Working as group leader and leading team of scientists for developing new product portfolio as well as improvement in existing products to meet the cost/quality demands of market.
- Solely responsible for product development and associated cross functional activities from lab to commercial(validation batches for DMF filings)
- Responsible to support RA/QA to response regulatory and customer query and to get IP and RA clearance for selected ROS.
- Responsible for project and annual budget planning, CAPEX requirement and plant commissioning.
- Responsible for plant trouble shooting, investigation and CPP and CQA identification.
- Responsible to carry out literature search, discussing cost effective synthetic route and ensuring freedom to operate for early opportunity.
- Active participant in discussing the patent issues with IP and overcoming the same.
- Patenting and publishing the scientific accomplishments of R&D and bring the confidence of teams core strengths to achieve organizational and personal goals with RFT strategic planning.
- Process development via taking into consideration the environmental hazard and its preventive measurements.
- Active participant in the HAZOP issues (hazardous operations) with safety department.
- Devising challenging experiments / negative studies for robustness of technology.

- Responsible for preparation, review and submission of PDR, lab development report.
- Assisting and directing the piloting activities for lab established process.
- Scale up studies at Kilo level for newly developed process, identifying CPP,CQA and CRA and other QMS parameters involved in the process & its probable solution to control them effectively.
- Adept in conducting a bridging gaps for smooth technology transfer of process to the commercial plant and also the tech transfer of analytical methods to quality control department.
- Responsible for timely updates to management about project status in the form of weekly and monthly reports.

Cross functional responsibilities:

- Provide technical support to marketing team for business development.
- Support QA department for clearing audits by generating experimental data / response based on auditor/customer queries.
- Support RA department for DMF filings of new products and also post DMF activities.
- Prepare and present for meetings like SAC, CFT, CRM etc and its MOM preparation.
- Responsible for CAPEX and project budgeting exercise and co-ordination with related cross functional departments like TT, QC, QA, IPR, SCM etc…

Other Managerial Skills:

- Planning and reviewing day-to-day research activities and resolving procedural problems as appropriate to the timely completion of research objectives.
- Maintaining a broad knowledge of state-of-the-art research techniques, technology, and equipment and QM systems.
- Contributing to the publication and presentation of results using MS power point, MS excel and trained in MS projects.

Additional work functions:

- Active participant in safety and first aid issues.
- Active participation as Night duty officer.
- Thorough knowledge of computer required for facile documentation.
- Attend seminars or to give presentation related to project for inter-departmental concerns.
- Fluency over English language for better communication.

PROJECTS HANDLED:

1. **CADILA PHARMACEUTICALS LTD**

Silodosin (DMF): - Developed novel route to cater Japanese and EU market with total impurities MNT 0.10% and single max impurity NMT 0.05%. Commercialization completed successfully.
Saxagliptin (DMF/NDMF): - Developed a non-infringing route ready for scale up to cater US, EU or RoW market. Ready for scale up.
Olmesartan Medoxomil (USDMF/EDMF): - Developed a novel route, of existing DMF filed process for cost reduction. Ready for scale up.
Telmisartan (USDMF/EDMF): - Developed a novel route, of existing DMF filed process for cost reduction. Ready for scale up.

Cortico Steroids: - Following cortico steroid NPD molecule novel process development completed. PDR completed. Ready for scale up.
Fluticasone Propionate, Clobetasole propionate, Mometasone Furoate, Betamethasone Valerate, Betamethasone propionate and Dexamethasone sodium phosphate.

Past experience:

2. **STERLING BIOTECH LIMITED (**http://www.sterlingbiotech.in/**)**

July 2007 to April 2011 as an Assistant Manager-R&D
Projects handled in Sterling Biotech LTD
Montelukast: - Developed a novel non-infringing route for US and EP market. Montelukast impurities and KSM backward synthesis. PCT filled for Montelukast.
Simvastatin: Developed novel process to cater EU and US market. Scale up activity completed.
Rosuvastatin: Process optimization completed.
Responsible for operational activity of 500MHz Bruker NMR and active involvement in the NMR Spectrometer installation.

3. **JUBILANT CHEMSYS LTD** (http://www.jchemsys.com/)

June 2006 to June 2007 as Research Associate – CRAMS

Worked as FT in Contract Research Manufacturing Services (CRAMS) for computational Chemistry and for synthesis of library molecules. (June2006-June-2007

4. **UNICHEM LABORATORIES LTD, Mumbai, India** (http://www.unichemlabs.com/)

Projects handled in Unichem:
Venlafaxine HCl novel process developed. Patent filled.

Educational Qualification:

- 2016 PhD M.S.U Baroda
- 2005 M.Sc. (Organic Chemistry) from Pune University, **First Class (68.20%)/ 'A' Grade**
- 2003 B.Sc. from Pune University, **First Class (69.53% / 'A' Grade**
- 2000 H.S.C Pune **Second Class (58.17%)'B' Grade**
- 1998 S.S.C Pune **First Class (69.46%)'A' Grade**

Personal Profile:
Nationality: Indian
Date of Birth: 1st Sept 1982
Marital Status: Married
Languages Known: English, Hindi, Marathi and Gujarati.

CTC: 13.50 p.a.

Industrial reference:-

1. Mr. Piyush Limbad-R&D Head
Halcyon lab Pvt Ltd. Ahmedabad, Gujarat, INDIA.
Contact No: 09825763988

2. Dr. Suresh V. Raghava- Sr. VP
Piramal Enterprises Ltd. Mumbai
Contact No: 09322023828