

## **Balkrishna Kale**

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### **Professional Summary**

Passionate Medicinal chemist (Dept. of Chem, Pune university) with more than 18 years of excellent R&D research experience with reputed pharmaceutical industries. Currently working as Head of QA, QC and synthesis at Tokyo Industries, Hyderabad. Prior to this, I have been worked with Daiichi Sankyo, Ranbaxy, Torrent Research Centre and Ipca Labs. Managed successfully various drug discovery (NCE) first and best in class projects like NLRP3, JAK (TYK2), IRAK4 and FRS inhibitors. Seeking to new challenging job opportunity within R&D (medicinal chemistry) , where I can fully use my skills and knowledge for the success of the organization.

### **Experties**

- Sound knowledge of medicinal chemistry (NCE)
- Drug design and synthesis
- Hit to lead and lead optimization and identification of efficacious clinical candidate
- Library design and synthesis
- Protein Kinase Inhibitor
- Pharmacokinetics parameter optimization
- PK/PD analysis and Tox mitigation
- Reaxys, Scifinder, Cortellis and ACD database handling
- Prior art search, specification and claim analysis and NCE patent drafting
- Scrutinize patentable process and novel NCEs /scaffolds
- Excellent team leading skills and ability to communicate globally and interact competently
- Good communication and collaboration skills, ability to achieve the company goals
- Team and resource management
- Departmental budgeting and goal setting and data management
- Business strategy and progress
- Computer skills, presentations skills, chemistry protocols, reports reviewing and writing etc.

### **Professional Experience**

#### **Tokyo Chemical Industries (June 2017- till date)**

##### **Role & Responsibilities: QC, QA and Synthesis (HOD)**

- Established world class R&D facility in Hyderabad (MN Park)
- R&D related activity, procurement, administration and negotiation
- Identify and suggest novel or patentable products, data management, coordinating to global team
- Traveling frequently to Japan for global meetings and scientific updates
- Managing interviews and performance appraisals of team

#### **Daiichi Sankyo Pvt Ltd. (July 2010-June 2017)**

##### **Role and Responsibilities: Sr. Research Scientist**

- Med Chem team leader for inflammation projects
- Identify and designed patentable scaffolds and NCEs and clinical candidate (Tyk2 target)
- Explored, IRKA4, NLRP3, PI3K, FRS inhibitors and DNA ligase target
- Updated project progress, scientific protocols and presentations to the department and CEO
- Managing team and their performance appraisals
- Travelled to US for project conference (10 years VISA granted)

#### **Ranbaxy Labs Ltd, India (Nov 2006 – June 2010)**

#### **Torrent Pharmaceutical Ltd, India (June 2004 – Oct. 2006)**

#### **IPCA Labs Ltd, India (June 2003 – Oct. 2004)**

- API research and development
- Patentable process for API (Alfuzosin, Perindopril and Fluconazole)

#### **Educational Qualification**

- **PhD** pursuing in medicinal/organic chemistry from Jamia Hamdard, New Delhi, India
- **M.Sc.** in Organic Chemistry (2002), Dept. of Chemistry, University of Pune, Pune, India
- **B. Sc.** (Chemistry) -2000, Lasalgaon College, Pune University, India
- **Intellectual property course:** NALSAR Law University, Hyderabad (attended)

#### **Symposia and Conference**

- Medicinal Chemistry course at Drew University, Madison, USA, 2014.
- International Airway inflammation-2011 at Daiichi Sankyo India Ltd, Gurgaon
- CRSI-2013 symposium at Banaras Hindu University (BHU), Varanasi.

#### **Area of Interest:**

- Medicinal Chemistry, Drug discovery, Intellectual property rights (NCEs, API)

#### **List of Patents and Publications**

##### **(A) List of Patents:**

1. "Heterocyclic compounds as a protein tyrosine kinase inhibitor" Publication No.US 9,364,466 B2, **KALE Balkrishna Ramchandra**, MIYAUCHI, Rie MURATA, Takeshi ISHIZAKI, Masayuki NAGAMUCHI, Masatoshi IIMURA, Shin MOMIN, Rijwan,
2. Pyrazolylaminopyrimidine Compounds as Protein Kinase Inhibitors, **KALE Balkrishna Ramchandra**, Makato Mori, Kazuo Kanai (to be filed)
3. Novel Process for the preparation of Solifenacin, App No: 202121007145A, Raju Kale, Vishwas Gaikwad, **Balkrishna Kale**

##### **(B) List of Publications:**

1. Synthesis and Functionalization of coumarin-pyrazole scaffold: Recent development, challenges and opportunities, Current Organic Synthesis, **2021**
2. Zinc Triflate catalyzed synthesis of s-triazine derivatives: An expedient approach to C-N bond formation, **B R Kale**, Takahide Nishi, S Alam, **2021**, to be communicated

#### **Personal Details**

Permanent Address : A/P-Sarole Thadi, Tal-Niphad, Dist. Nashik- 422303, India  
 Date of Birth : 05 May 1979  
 Gender : Male  
 Marital Status : Married  
 Languages Known : Marathi, Hindi and English  
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#### **References**

##### **Takahide Nishi, Ph.D.**

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##### **Dean and Prof of Chemistry**

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**Declaration:** I hereby declare that the facts given above are genuine to the best of my knowledge and belief.