

Sambasiva Rao P, PhD
Senior Research Scientist-I, PD Synthesis, Laurus Labs Ltd, Hyderabad.
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Summary:

Experienced Research Scientist having broad synthesis and manufacturing experience along with the project management skills. Looking for a position where my educational background, experience and technical skills would have an added value.

Professional Experience:

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|---------------------------------|---|-----------------------------|
| Jan-2019 to Present | Senior Research Scientist (SRS-I) at PD Synthesis, Laurus Labs Ltd, Hyderabad Synthetic route scouting, Feasibility, Optimization and Scale-up of various API's/CDMO molecules for various pharma clients from EU or US. Lead a team of chemists for timely delivery of targeted compounds. | 3 years 9 months |
| Jan-2017 to Dec-2018 | Post-Doctoral Fellow at KU Leuven, Belgium Synthesis of novel propargylated nucleoside and nucleotide analogs against various antiviral/antibacterial targets | 2 years |
| Mar-2014 to Dec-2016 | Research Scientist-I (RS-I) at PD Generics, Laurus Labs Ltd, Hyderabad Synthetic route scouting, Feasibility, Optimization and scale up of various API molecules. Successfully involved in commercialization of API molecules for antiplatelet, hepatitis (HCV infection) and HIV infection agents. | 2 years 9 months |

Education:

| Year | Degree | Description |
|---------------------------------|--|--|
| Jan-2017 to Dec-2018 | Post-Doctoral Fellow | KU Leuven, Belgium Promoter: Prof. Dr. Arthur Van AERSCHOT |
| Feb-2009 to Feb-2014 | PhD (Organic Chemistry) | CSIR-Indian Institute of Chemical Technology, Hyderabad Title: <i>Synthesis of Novel (1,2,3)-Triazole, (1,2,3)-Thiadiazole and Isoxazole Functionalized Heterocycles of Biological Interest</i> Supervisor: Dr. B. Narsaiah, CSIR-IICT, Hyderabad. |
| 2005 to 2007 | MSc (Organic Chemistry) | Osmania University, Hyderabad, India (63%) |
| 2001 to 2004 | BSc (Mathematics, Chemistry & Computers applications) | Osmania University, Hyderabad, India (76.5%) |

Technical Skills

- Medicinal/Organic Chemistry: Strong knowledge in synthetic organic/medicinal chemistry.
- Synthesis: Capable of lead a team of scientists or can work independently on route design, feasibility, process optimization, process validation and scale up of various API's/CDMO molecules with the best understanding of GLP, cGMP, lab safety and HSE risk assessment in pilot plant.

- Able to work with different departments and clients all around the world.
- Experienced in Lead a team of chemists for timely delivery of targeted compounds.
- Interaction with the AR&D, Process Engineers to ensure the robust and safe process development.
- Familiar in execution of process validation and scale up of various API's/CDMO molecules to meet the customer's timelines and expectations.
- Coordinate with analytical team for method developments and fixing of specifications.
- Document Writing: Expertise in preparation of Manuscripts, Patents, Optimization Reports, Tech Packs and Development Reports.
- Experience in the preparation of RMC, Batch plans, scope and proposals for the new inquiries.
- Analytical Techniques: 1D NMR (1H, 13C) and 2D NMR (COSY, HSQC, HMBC, APT), IR, UV/Vis spectroscopy, LCMS, HRMS, HPLC, GC, DSC, Powder-XRD and Single Crystal XRD.
- Other Software: Chemia, Scifinder, Reaxys, ISIS Draw, Chemdraw Ultra 12.0, 13.0 and 14.0 version (Cambridge soft).
- Teaching/Leading Skills: Supervised 3 master's students.

Soft Skills:

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| • Excellent communicator | • Quick learner · |
| • Positive attitude and can-do mentality · | • Team player with leadership skills · |
| • Creative problem solver | • Adaptive |

Fellowships/Grants/Awards:

- Post-Doctoral Fellowship (Jan-2017 to Dec-2018) from KU Leuven, Belgium
- Qualified through **CSIR-JRF (NET)** in June-2008. A national level exam conducted by Council of Scientific and Industrial Research, Govt. of India.
- **Junior Research Fellow-CSIR** (Feb-2009 to Feb-2011) Council of Scientific and Industrial Research, Govt. of India.
- **Senior Research Fellow-CSIR** (Feb-2011 to Feb-2014) Council of Scientific and Industrial Research, Govt. of India.

Languages: English (Fluent), Hindi (Fluent), Telugu (native).

Personal Details: Male, Married, Indian, born on 9th Aug, 1984.

Hobbies: Playing cricket and reading books.

Publications/Reviews and conferences:

25 articles published in peer reviewed international journals and 8 international conferences attended.

For details, please click

<https://scholar.google.co.in/citations?user=QH2CsKEAAAAJ&hl=en>

https://www.linkedin.com/feed/?trk=homepage-basic_google-one-tap-submit

Professional References:

Dr. Narasiah B (Retd), Chief Scientist & Deputy Director, CSIR-IICT, Hyderabad.

Prof. Dr. Arthur Van Aerschot, Professor, KU Leuven, Belgium.

Dr. G. Ramakrishna, Associate Professor, Western Michigan University, USA.