

SACHIN MADAN

A: Hyderabad, Telangana, INDIA | **E:** madansachin@yahoo.com | **M:** (+91) 97653 98518

L: <https://www.linkedin.com/in/sachin-madan-47b94615/>

SUMMARY & SKILLS

- Project leader with >20 years of R&D experience
- Having rich experience in drug discovery (Hit - LI - LO)
- Successfully delivered various projects while leading teams
- Have successfully applied medicinal chemistry to address ADME, PK/PD and toxicity issues
- Structure-activity relationship (SAR)
- Structure based drug discovery (SBDD)
- Computer aided drug design (CADD)
- Chemistry route-scouting & trouble-shooting

ACCOMPLISHMENTS

- Designed small molecule dual inhibitors (JAK2 & BET) for the oncology project
- Lead molecule entered into an exclusive license agreement with Ohm Oncology (APL-581/OHM-581)

<https://www.fiercebiotech.com/biotech/aptose-signs-125m-plus-bet-inhibitor-deal-ohm-oncology>

<https://www.aptose.com/product-pipeline>

https://aacrjournals.org/cancerres/article/79/13_Supplement/3067/635170/Abstract-3067-OHM-581-a-dual-JAK2-BET-inhibitor

EXPERIENCES & ACHIEVEMENTS

LAXAI Life Sciences, Hyderabad, INDIA

04/2022 – Present

Associate Director – Med. Chem.

- Working in the area of thrombocytopenia
- Working on both FTE as well as FFS projects
- Handling a team of 10 chemists including Ph.D.'s and Master's

LAXAI Life Sciences, Hyderabad, INDIA

10/2020 – 03/2022

Group Leader – Med. Chem.

- Designed and handled inhibitors in the area of thrombocytopenia and oncology
- Worked on the designing of novel anti-viral agents
- Worked on FFS projects while handling a team of 12 chemists

LAXAI Life Sciences, Hyderabad, INDIA

07/2017 - 08/2020

Consultant, Drug Discovery & Development

- Discussion & planning of various activities for APL-581
- Manuscript writing and new IPs for other indications

LAXAI Life Sciences, Hyderabad, INDIA

11/2015 - 11/2016

Associate Director – Med. Chem.




- Designed and developed single-agent dual inhibitors (JAK2 & BET) in the area of oncology
- Lead compound (APL-581) was synthesized that showed excellent overall profile
- Led a multidisciplinary team of 20 scientists

Lupin Limited, Pune, INDIA Assistant Director – NDDD <ul style="list-style-type: none"> Worked on class C GPCR project in the therapeutic area of endocrinology LL-69238 was synthesized that showed excellent overall profile Handled a team of 6 chemists 	06/2014 - 11/2015
Lupin Limited, Pune, INDIA Principal Scientist – NDDD <ul style="list-style-type: none"> Worked on class A GPCR project in the therapeutic area of neuropathic pain In this project, excellent selectivity was achieved based on SAR Handled a team of 3 chemists 	09/2009 - 05/2014
Sai Life Sciences, Pune, Maharashtra Principal Scientist <ul style="list-style-type: none"> Successfully delivered 7 medicinal chemistry projects Worked on both FTE as well as PO projects 	08/2007 - 04/2009
TCG Life Sciences, Pune, Maharashtra Team Leader <ul style="list-style-type: none"> Successfully delivered 4 medicinal chemistry projects Worked on both FTE as well as PO projects 	08/2006 - 07/2007
Dr. Reddy's Research Foundation, Hyderabad, AP Scientist <ul style="list-style-type: none"> Worked in the area of oncology (p38 MAP kinase inhibitors) 	11/2000 - 12/2001

KNOWLEDGE & EDUCATION

 Postdoctoral Fellow, NTHU, Hsinchu, Taiwan (Prof. Chien-Hong Cheng)	2004 - 2006
 Postdoctoral Fellow, U of Ark, Fayetteville, Arkansas, US (Prof. Bob Gawley)	2003 - 2004
 Postdoctoral Fellow, NMSU, Las Cruces, New Mexico, US (Prof. Rob Hoffman)	2002 - 2003
 Ph.D. Scholar, PU, Chandigarh, INDIA (Prof. Shamsheer S. Bari)	1996 - 2000

PATENTS & PUBLICATIONS

 Ram S. Upadhyaya, Raghava Kethiri, Sachin Madan and Santosh K. K. Rajaiah; <u>FUSED PYRIMIDINE COMPOUNDS AS BRD4 AND JAK2 DUAL INHIBITORS AND METHODS FOR USE THEREOF</u> US 2020/0095252
 Sanjeev A. Kulkarni, Sachin Madan , Nirmal K. Jana, Prashant V. Tale, Narasimha M. Cheemala, Sachin J. Mahangare, Pashant P. Vidhate, Chaitanya P. Kulkarni, Sapana S. Patel, Amolsing D. Patil, Seema P. Zade, Rohan M. Shinde, Venkata P. Palle and Rajender K. Kamboj; <u>CANNABINOID RECEPTOR MODULATORS</u> US 2015/9006442
 Sachin Madan , Prashant V. Tale, Seema P. Zade, Amolsing D. Patil, Sanjeev A. Kulkarni, Venkata P. Palle and Rajender K. Kamboj; <u>HETEROCYCLIC COMPOUNDS AS CALCIUM SENSING RECEPTOR MODULATORS FOR THE TREATMENT OF HYPERPARATHYROIDISM, CHRONIC RENAL FAILURE AND CKD</u> WO 2015/162538

- ✚ **Sachin Madan**, Prashant V. Tale, Seema P. Zade, Amolsing D. Patil, Sanjeev A. Kulkarni, Venkata P. Palte and Rajender K. Kamboj; SUBSTITUTED BIPHENYL COMPOUNDS AS CALCIUM SENSING RECEPTOR MODULATORS **WO 2015/022631**
- ✚ Sanjeev A. Kulkarni, **Sachin Madan**, Nirmal K. Jana, Sachin J. Mahangare, Prashant V. Tale, Seema P. Zade, Amolsing D. Patil, Narasimha M. Cheemala, Venkata P. Palte and Rajender K. Kamboj; ISOQUINOLINE DERIVATIVES AS CANNABINOID RECEPTOR MODULATORS **WO 2012/090179**
- ✚ **Sachin Madan** and Chien-Hong Cheng*; Nickel-Catalyzed Synthesis of Benzocoumarins: Application to the Total Synthesis of Arnottin I *J. Org. Chem.* 2006, 71, 8312-8315 <https://pubs.acs.org/doi/pdf/10.1021/jo061477h>
- ✚ Aman Bhalla, Suman Rathee, **Sachin Madan**, Paloth Venugopalan and Shamsher S. Bari*; Lewis Acid Mediated Functionalization of β -Lactams: Mechanistic Study and Synthesis of C-3 Unsymmetrically Disubstituted Azetidin-2-ones *Tet. Lett.* 2006, 47, 5255-5259 <https://doi.org/10.1016/j.tetlet.2006.05.160>
- ✚ Aman Bhalla, **Sachin Madan**, P. Venugopalan and Shamsher S. Bari*; C-3 β -Lactam Carbocation Equivalents: Versatile Synthons for C-3 substituted β -Lactams *Tetrahedron* 2006, 62, 5054-5063 <https://doi.org/10.1016/j.tet.2006.03.050>
- ✚ Shamsher S. Bari,* Paloth Venugopalan, Renu Arora, Garima Modi and **Sachin Madan**; An Unusual Lewis acid promoted isomerization of trans-3-halo-3-phenylthio- β -lactams *Heterocycles* 2006, 68, 749-762
- ✚ **Sachin Madan**, Peter Milano, Daniel B. Eddings and Robert E. Gawley*; Conversion of five-, six-, and seven-membered lactams to racemic or scalemic 2-substituted heterocycles by amidoalkylation *J. Org. Chem.* 2005, 70, 3066-3071 <https://pubs.acs.org/doi/10.1021/jo048484v>
- ✚ Robert E. Gawley,* Graciela Barolli, **Sachin Madan**, Michele Saverin and Sean O'Connor; Nucleophilic Synthesis of Enantiopure 2-(Tributylstannyl)pyrrolidines and Piperidines *Tet. Lett.* 2004, 45, 1759-1761 <https://doi.org/10.1016/j.tetlet.2003.12.080>
- ✚ Vedula M. Sharma,* K. V. Adi Seshu, V. Chandra Sekhar, **Sachin Madan**, B. Vishnu, P. Aravind Babu, C. Vamsee Krishna, J. Sreenu, V. Ravi Krishna, A. Venkateswarlu, S. Rajagopal, R. Ajaykumar and T. Sravan Kumar; Synthesis and Biological Evaluation of [4-(2-phenylethanesulfonylmethyl)phenyl]quinazolin-4-yl-amines as Orally Active Anti-cancer Agents *Bioorg. Med. Chem. Lett.* 2004, 14, 67-71 <https://doi.org/10.1016/j.bmcl.2003.10.020>
- ✚ Robert V. Hoffman* and **Sachin Madan**; Synthesis and Reactions of 2-Substituted Ethyl N-Alkylmalonyl hydroxamic Acids *J. Org. Chem.* 2003, 68, 4876-4885 <https://pubs.acs.org/doi/10.1021/jo0300690>
- ✚ **Sachin Madan**, Renu Arora, P. Venugopalan and Shamsher S. Bari*; A new synthetic approach for novel C-3 substituted β -lactams *Tet. Lett.* 2000, 41, 5577-5581 [https://doi.org/10.1016/S0040-4039\(00\)00865-0](https://doi.org/10.1016/S0040-4039(00)00865-0)
- ✚ **Sachin Madan**, A. K. Sharma and Shamsher S. Bari*; Asymmetric Friedel-Crafts alkylation using chiral α -acyl- α -chloro methylsulfides *Tetrahedron:Asymmetry* 2000, 11, 2267-2270 [https://doi.org/10.1016/S0957-4166\(00\)00186-5](https://doi.org/10.1016/S0957-4166(00)00186-5)
- ✚ Shamsher S. Bari,* **Sachin Madan** and M. K. Sethi; Chemo-enzymatic synthesis of chiral 3-hydroxy-azetidin-2-ones *Indian J. Chem.* 1999, 38B, 10-17

WILLING TO RELOCATE: ANYWHERE
