

## Justification

***Dr. Ramesh Lakshman Sawant***

M. Pharm. Ph.D.

Vice-Principal;  
Professor and Head,  
Department of Pharm. Chemistry & PG studies,  
Dr.V.V.P.F's College of Pharmacy,  
Vilad - Ghat, Post MIDC,  
Ahmednagar - 414 111 (M.S.) India.  
Email : sawantrl@yahoo.com  
Mobile No. : +919850150735



### Academic Identity

<https://vidwan.inflibnet.ac.in/profile/98524>

Orcid Id: [0000-0003-0064-7122](https://orcid.org/0000-0003-0064-7122)

Scopus Id: [278641](https://scopus.com/authid/detail.uri?authorid=278641)

Researcher Id: [AAH-7405-2019](https://researcherid.inflibnet.ac.in/AAH-7405-2019)

Google Scholar Id: [drlspgs@gmail.com](https://scholar.google.com/citations?user=drlspgs@gmail.com)

Best Teacher Awardee SPPU Pune

National level Best Researcher Awardee

International level Distinguished Professor Awardee

International Level Renato Dulbecco Memorial Awardee

Dr. APJ Abdul Kalam National Awardee for Scientific Excellence

### Personal Information

Date of Birth	: 15 <sup>th</sup> Dec. 1972
Father's Name	: Late Shri Lakshman Dadu Sawant
Marital Status	: Married
Address	: "Yugandhar" Plot No 8-15/2, Vidya Colony, Near Samarth Nagar, Behind Sagar Hotel, Pipeline Road, Ahmednagar - 414 003. (MS) India
Phone	: (+91241) 2778044 (off), +919850150735 (M)

### Educational Qualification

#### *Ph.D. in Pharmacy*

Research topic	"Synthesis and QSAR Studies of Some Novel Aryl and/or Heteroaryl Amides as Microbial Enzyme Inhibitors".
Research guide	Dr. Manish S. Bhatia
University	Shivaji University, Kolhapur.
Year	2005-09

### *Master of Pharmacy (Pharm. Chemistry)*

Research topic	"Synthesis and QSAR Studies of Novel GABA-nergic Agonists with their Preliminary Pharmacological Screening."
Research guide	Dr. Shivajirao S. Kadam.
Institute	Bharti Vidyapeeth's Poona College of Pharmacy, Pune.
University	University of Pune, Pune
Academic year	1994-96
Marks obtained	I <sup>st</sup> Class (65 %)

### *Bachelor of Pharmacy*

Institute	Govt. College of Pharmacy, Karad.
University	Shivaji University, Kolhapur
Academic year	1990-94
Marks obtained	I <sup>st</sup> Class (71.76%)

**Qualified GATE – 1994 and received Junior Research Fellowship (JRF).**

### *Industrial Training*

One Month Industrial Training in **Boringer Manhiem India Ltd.**, Thane.

### *Work Experience*

---

### *Teaching Experience*

- ✚ Presently working as **Vice-Principal, Professor & Head**, Department of Pharmaceutical Chemistry and PG Studies at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar.
- ✚ **Twenty three years** (Since 01/08/1998 till date) at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar.
- ✚ Guidance to **M. Pharm. students**: Completed: 84; Pursuing: 06.
- ✚ Guidance to **Ph.D. students**: Thesis submitted: 02, Pursuing: 05.

### *Additional Responsibilities*

- ✚ Vice-Principal
- ✚ Head, Department of Pharmaceutical Chemistry and PG studies.
- ✚ Member, Governing Body.
- ✚ Member, College Development Committee.
- ✚ Coordinator, NAAC Steering Committee.
- ✚ Coordinator, Internal Quality Assurance Cell.
- ✚ Student Development Officer (Since 2007).
- ✚ Academic and Research coordinator
- ✚ Member, Admission Committee.

- ✚ Chief Coordinator for inspection of the college by AICTE, PCI, Savitribai Phule Pune University etc.
- ✚ Correspondence to AICTE, PCI, Savitribai Phule Pune University.
- ✚ Website designing and maintenance.
- ✚ Arrange seminars and guest lectures.

## ***Professional Experience & Job Responsibilities***

**Two years** in Industry as Jr. Officer, Research & Development at **Innotech Pharma. Ltd.**, Aurangabad.

### **Achievements During Tenure Include:**

- ✚ Cost effective process development for Trimethoprim intermediate.
- ✚ New commercial process developed for Benzimidazole derivatives.

### **Job Responsibilities include:**

- ✚ Process development of drug & drug intermediates at laboratory scale.
- ✚ Technology transfer to plant scale.
- ✚ Plant commissioning.
- ✚ Analysis of drug, drug intermediates & raw materials using sophisticated instruments like HPLC, GC, FTIR & UV-Visible spectrophotometer etc.

## ***Technical Profile***

Familiar with handling of following instruments:

- ✚ Molecular Modeling Software MOE, V-life Sciences
- ✚ Parallel Synthesizer (Radleys Tech.)
- ✚ Microwave Synthesizer (CEM)
- ✚ Microplate Spectrophotometer (Epoch)
- ✚ HPTLC (Camag)
- ✚ HPLC (Jasco)
- ✚ Flash Chromatography (Buchi)
- ✚ GC (Chemito)
- ✚ FT-IR (Jasco)
- ✚ UV-Visible Spectrophotometer (Jasco, Systronics)
- ✚ Elucidation of molecular structure on the basis of IR, NMR & Mass spectral data

## ***Computer Proficiency/Systems Experience/IT Skills:***

- ✚ MS word
- ✚ Excel
- ✚ Power Point
- ✚ Internet surfing

### *Association with Professional Organization/Bodies*

- + **Registered Pharmacist** with Maharashtra State Pharmacy Council.
- + **Life member** of APTI MA/LM 613.
- + Member, **Board of studies in Pharmaceutical Chemistry**, under faculty of Science and Technology Savitribai Phule Pune University, Pune.
- + Member, **Board of studies in Pharmaceutical Chemistry 48(3)(4), Examination Committee**, under faculty of Science and Technology Savitribai Phule Pune University, Pune
- + Evaluator for project proposals under **ASPIRE** scheme of Savitribai Phule Pune University, Pune.
- + Member, **Board of studies** and Member, **Faculty of Pharmaceutical Sciences**, Savitribai Phule Pune University, Pune (2010-2015).
- + Member, **Syllabus committee** to improve syllabus of B. Pharm. and M. Pharm. courses under Savitribai Phule Pune University, Pune from academic year 2013-2014.
- + **Guest Editor**; special issue on “Molecular Detection and Differentiation of Emerging or Reemerging Viruses and Development of Antivirals” of BioMed Research International [Impact Factor 2.134].
- + Member, **Advisory Board** of International Journal of Pharmaceutical Excellence. (ISSN 2349-493X).
- + Reviewer for various national and international scientific Journals like *Medicinal Chemistry Research (Springer)*, *Latin American Journal of Pharmacy*, *Current Trends in Biotechnology and Pharmacy*, *Archiv der Pharmazie (Wiley)*, *Arabian Journal of Chemistry (Elsevier)*, *Journal of Saudi Chemical Society (Elsevier)*.
- + Member, **Governing Body**, Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar.
- + Member, **College Development Committee**, Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar.
- + **Student Welfare Officer**, Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar.
- + **Academic and Research Coordinator**, Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar.
- + **University examiner and paper setter** for various Universities like Savitribai Phule Pune University, Pune; Shivaji University, Kolhapur; Bharati Vidyapeeth Deemed University, Pune; North Maharashtra University, Jalgaon; Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- + **Referee** for M. Pharm. and Ph.D. dissertation.
- + **Member**, Local Inquiry Committee, Savitribai Phule Pune University, Pune.
- + **Subject expert**, staff selection panel, Savitribai Phule Pune University, Pune.
- + **Subject Expert** to evaluate Avishkar projects under University of Pune.
- + **Expert** to evaluate projects for research grant under BCUD, Savitribai Phule Pune University, Pune.
- + **Executive Member**, Association of Pharmaceutical Teachers of India, Maharashtra State.

Member, LOC Task Committee, APTICON 2014.

### *QIP/Conferences/Workshops Organized*

- i. Coordinator for International Webinar Leading Causes of Death and Disability held on 6<sup>th</sup> March 2021 Organized in association with GCP COMPASS Ltd., UK; Clinnex, India; LORIX Analytical, India; **esurgibook**, UK.
- ii. **Convener** for the Faculty Training Program in collaboration with Labindia Analyticals held on 21<sup>st</sup> February 2019 at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar. (Funds: ₹ 25000)
- iii. **Convener** for the Nagar Pharma-Tech Fest 2018-19 held during 8<sup>th</sup> to 10<sup>th</sup> October 2018 at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar.
- iv. **Program Director** for Savitribai Phule Pune University sponsored **one day** state level seminar on "Recent Trends in Pharma Industry" held on **15<sup>th</sup> October 2016**, at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar. **(Grant ₹ 60, 000).**
- v. **Program Director** for **one day** workshop on "Bioorganic Chemistry & Drug Design" held on **26<sup>th</sup> February 2016**, at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar. **(Financed by Institute)**
- vi. **Program Coordinator** for AICTE sponsored **two days** National seminar on "Computational Chemistry in Anticancer Drug Research" held on 26<sup>th</sup> and 27<sup>th</sup> Dec. 2013, at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar. [Organized Research paper presentation competition, Pharma Expo & Published Abstract Book] **(Grant ₹ 1 lakh).**
- vii. **Program Director** for **one day** seminar on "Pharmaceutical Quality by Design and Development" held on **3<sup>rd</sup> March 2012**, at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar. **(Financed by institute)**
- viii. **Program Coordinator** for **AICTE** sponsored **two weeks** staff development program on "Recent Advances in Drug Design and Discovery" from **10<sup>th</sup> to 22<sup>nd</sup> January 2011**, at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar. **(Grant ₹ 7 lakh).**
- ix. **Program Director** for University of Pune sponsored **two days** workshop on "Drug Design Techniques: Fundamentals and Future" held on 8<sup>th</sup> and 9<sup>th</sup> January 2010, at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar. **(Grant ₹ 60, 000).**

- x. **Program Director** for University of Pune sponsored **one day** seminar on “Clinical Trials: Current Scenario” held on 19<sup>th</sup> Dec 2009, at Dr. Vithalrao Vikhe Patil Foundation’s College of Pharmacy, Vilad Ghat, Ahmednagar. (Grant ₹ 20,000).

### *Invited Talks*

---

- ✚ “Current and Future Challenges in Pharmacy” at Matoshri Miratai Aher College of Pharmacy, Karjule Harya, Ahmednagar on 23<sup>rd</sup> January, 2020.
- ✚ “Chromatography and Metabolite separation Techniques” at New Arts, Commerce and Science College, Ahmednagar on 23<sup>rd</sup> December, 2016 under DBT STAR college scheme.
- ✚ “Fundamentals of Spectroscopic Techniques” at Lupin Research Park, Pune on 17<sup>th</sup> July 2014.
- ✚ “Mass Spectroscopy and NMR” at Shivnagar Vidya Prasark Mandal’s College of Pharmacy, Malegaon – Bharamati, Dist. Pune on 30<sup>th</sup> Nov. 2012.
- ✚ “Modern Spectroscopic Techniques in Analysis” at Shriman Sureshdada Jain College of Pharmacy, Chandwad, Dist Nashik on 14<sup>th</sup> Jan. 2012.
- ✚ “Structural Elucidation with the help of Spectroscopic Data” at Vishal Institute of Pharmaceutical Education and Research, Ale, Dist Pune on 7<sup>th</sup> Jan. 2012.
- ✚ “Advance Analytical Techniques” at Shriman Sureshdada Jain College of Pharmacy, Chandwad, Dist Nashik on 20<sup>th</sup> Oct. 2010.
- ✚ “Spectroscopic Analysis” at Bharati Vidyapeeth College of Pharmacy, Kolhapur on 24<sup>th</sup> Sep. 2011.
- ✚ “Fundamentals and Applications of Spectroscopic Techniques” at R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist Dhule on 8<sup>th</sup> & 9<sup>th</sup> Oct. 2010.
- ✚ “Advance Pharmaceutical Analysis” at Sharadchandra Pawar College of Pharmacy, Otur, Dist Pune on 26<sup>th</sup> Dec. 2009.
- ✚ “Spectroscopy – Applications and related problems” at Shivnagar Vidya Prasark Mandal’s College of Pharmacy, Malegaon – Bharamati, Dist. Pune on 5<sup>th</sup> Dec. 2009.
- ✚ “Advance Pharmaceutical Analysis” at Sharadchandra Pawar College of Pharmacy, Otur, Dist Pune on 20<sup>th</sup> Nov. 2009.
- ✚ “Infra Red Spectroscopy” at Siddhant College of Pharmacy, Pune on 2<sup>nd</sup> Oct. 2009.

### *Resource Person*

---

- ✚ Resource Person in the Webinar on Trends in Drug Design and Discovery by AIC-ADT Baramati Foundation in association with Pharmacy Department, Shardanagar, Baramati held on 4<sup>th</sup> March 2021.
- ✚ Session Chair at the International Conference on Advances in Material Science 2020 organized by Technology Research and Innovation Centre,



India and hosted by Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar, India, held on 3<sup>rd</sup> October 2020.

- ✚ Resource Person in the AICTE sponsored E- Conference under the scheme grant for Organizing E – conference (GOC) on Quality Analysis in Herbal Drug Research organized by Rajarambapu College of Pharmacy, Kasegaon, held on 3<sup>rd</sup> and 4<sup>th</sup> August 2020.
- ✚ Resource Person in the “Syllabus Orientation Workshop” jointly organized by BOS – Pharmaceutical Chemistry, Faculty of Science and Technology Savitribai Phule Pune University, Pune and D Y Patil Institute of Pharmaceutical Sciences and Research, Pune on 22<sup>nd</sup> June 2020.
- ✚ Expert for University Level Avishkar 2019 at Savitribai Phule Pune University, Pune on 21<sup>st</sup> January 2020.
- ✚ Resource Person in one week workshop on clinical trials organized by Department of Statistics, New Arts, Commerce and Science College, Ahmednagar on 8<sup>th</sup> January 2020.
- ✚ Examiner for Scientific Session at International seminar on Recent Trends in Management Studies and Future Aspects organized by NN Satha College of Pharmacy, Ahmednagar on 25<sup>th</sup> November 2019.
- ✚ Evaluator for poster presentation for MET-I-CON 2019 an international conference on Innovations in Pharmaceutical Technologies at MET Institute of Pharmacy, Nasik on 16<sup>th</sup> February 2019.
- ✚ Resource Person in Savitribai Phule Pune University, Pune Sponsored International Level Conference on “Recent Advances in Traditional Medicine, Medicinal Plants and Phytochemistry” organized by BPHE Society’s Ahmednagar College, Ahmednagar on 8<sup>th</sup> & 9<sup>th</sup> February 2019.
- ✚ Resource Person in Savitribai Phule Pune University, Pune Sponsored State Level Seminar on “Exploring the Challenges in Pharmaceutical Chemistry for the Future” organized by Shri Chhatrapati Sambhaji Shikshan Sanstha’s Sitabai Thite College of Pharmacy, Shirur Dist. Pune on 1<sup>st</sup> & 2<sup>nd</sup> February 2019.
- ✚ Resource Person in Savitribai Phule Pune University, Pune Sponsored National Level Seminar on “Current Topics in Computer Aided Drug Design” organized by Pravara Rural Education Society’s College of Pharmacy (For Women), Chincholi, Nasik on 31<sup>st</sup> January & 1<sup>st</sup> February 2019.
- ✚ Resource Person in Course work for M. Phil and Ph.D. students at New Arts, Commerce and Science College, Ahmednagar on 03 December 20, 2018.
- ✚ Member, NAAC mock inspection of Pravara Rural Education Society’s Pravara Rural College of Pharmacy, Pravaranagar on 23<sup>rd</sup> April 2018.
- ✚ Subject Expert for Pre-University level workshop for AVISHKAR 2017 held at Ahmednagar College, Ahmednagar on 13<sup>th</sup> December 2017.
- ✚ Judge for AVISHKAR 2017 Zonal level research competition held at Radhabai Kale Mahila Mahavidyalaya, Ahmednagar on 12<sup>th</sup> December 2017.
- ✚ Examiner for AVISHKAR 2017, Zonal level research competition held at Arts, Science and Commerce College Rahuri on 10<sup>th</sup> December 2017.
- ✚ Expert in Innovation 2017, a Regional Research Conference held jointly by University Research Cell, Savitribai Phule Pune University, Pune and STES’s Kashibai Navale College of Pharmacy, Pune on 18<sup>th</sup> November 2017.

- ✚ Resource Person in one day orientation Seminar on “AVISHKAR-2017” organized by Loknete Dr. J. D. Pawar College of Pharmacy, Manur, Kalwan, Dist-Nashik on 27<sup>th</sup> September 2017.
- ✚ Resource Person in one day orientation Workshop for “University level Avishkar competition” organized by BPHE Society’s Ahmednagar College, Ahmednagar on 20<sup>th</sup> December 2016.
- ✚ Resource Person in Savitribai Phule Pune University, Pune Sponsored National Level Conference on “Recent Trends in Theoretical and Experimental Sciences” organized by BPHE Society’s Ahmednagar College, Ahmednagar on 17<sup>th</sup> and 18<sup>th</sup> February 2016.
- ✚ Resource Person in Savitribai Phule Pune University, Pune Sponsored State Level Seminar on “Current Pharmacy Practices and Innovations in Pharmaceutical Technology” organized by Abasaheb Kakade College of B. Pharmacy, Bodhegaon, Tal Shevgaon, Dist Ahmednagar on 12<sup>th</sup> & 13<sup>th</sup> Jan. 2016.
- ✚ Resource Person in Savitribai Phule Pune University, Pune Sponsored National Level Seminar on “Assuring the Quality of Medicine” organized by Vishal Institute of Pharmaceutical Education and Research, Ale, Dist Pune on 27<sup>th</sup> & 28<sup>th</sup> Feb. 2013.
- ✚ Resource Person in Department of Biotechnology (DBT), Govt. of India Sponsored Two Days Training Program on “Modern Techniques for Analysis of Secondary Metabolites” organized by Pad. Vikhe Patil College of Arts, Science and Commerce, Pravaranagar on 7<sup>th</sup> & 8<sup>th</sup> Dec. 2011.
- ✚ Chaired session at ICMR sponsored National level workshop on Recent Methods of Herbal Drug Analysis organized by Pravara Rural College of Pharmacy, Loni on 18<sup>th</sup> and 19<sup>th</sup> Nov. 2009.

### *QIP/Conferences/Workshops attended*

- ✚ Savitribai Phule Pune University, Pune organized “Workshop of Student Development Officers” on 5<sup>th</sup> January 2018.
- ✚ Savitribai Phule Pune University, Pune organized “Central Audit Pre-planning Workshop ” on 9<sup>th</sup> March 2017.
- ✚ Savitribai Phule Pune University, Pune organized “Program Planning and Feedback combined Meeting” on 30<sup>th</sup> December 2016.
- ✚ APTICON 2014, 19<sup>th</sup> Annual National Convention held at Pune on 28<sup>th</sup> to 30<sup>th</sup> Nov. 2014.
- ✚ University of Pune, Innovation 2010, Sangamner, on 28<sup>th</sup> and 29<sup>th</sup> Oct. 2010.
- ✚ University of Pune, Innovation 2009, Saswad, on 5<sup>th</sup> and 6<sup>th</sup> Jan. 2010.
- ✚ University of Pune, Avishkar 2009, Ahmednagar, on 30<sup>th</sup> and 31<sup>st</sup> Dec. 2009.
- ✚ National Level Symposium on “Frontiers in Drug Discovery & Process Research – March 2007” held at Bharati Vidyapeeth College of Pharmacy, Kolhapur.
- ✚ One day workshop on “Computer Aided Drug Discovery” 3<sup>rd</sup> April 2006 held at AISSMS College of Pharmacy, Pune.



- ✚ National Conference on “Recent advances in Pharmaceutical Analysis (RAPA)”, Nov. 2005 held at R. C. Patel College of Pharmacy, Shirpur.
- ✚ APTI 10<sup>th</sup> National Convention held at Nagpur on 17<sup>th</sup> & 18<sup>th</sup> Oct. 2005
- ✚ One day workshop on “Creative Techniques in Teaching for College Teachers” 23<sup>rd</sup> Sept. 2005 held at Pune.
- ✚ Seminar on “Educational Reforms, Cross Disciplines & International Linkages” held at Pravaranagar (Loni) on 10<sup>th</sup> Feb. 2004.
- ✚ 55<sup>th</sup> Indian Pharmaceutical Congress 2002 held at Pune during 13<sup>th</sup> – 15<sup>th</sup> Dec. 2002.
- ✚ **Three weeks** AICTE sponsored **Quality Improvement Program** (Industry Oriented Program For Pharmacy Teachers) held at Poona College of Pharmacy, Pune during 19<sup>th</sup> Nov – 8<sup>th</sup> Dec 2001.
- ✚ APTI 6<sup>th</sup> National Convention held at Nashik on 22<sup>nd</sup> & 23<sup>rd</sup> Sep 2001.
- ✚ AICTE sponsored workshop in “Recent advances in Pharmaceutical Sciences” conducted on 7<sup>th</sup> March 1999 at AISSMS College of Pharmacy, Pune.
- ✚ AICTE sponsored workshop in “Recent advances in Pharmaceutical Chemistry” conducted on 10<sup>th</sup> Dec. 1994 at Poona College of Pharmacy, Pune.

### *Research Projects*

- ✚ **Principal Investigator** of project “Targeting Polo-like kinase1 to Design and Synthesize 1, 3-Thiazolidin-4-ones as Anticancer Agents” Under Extramural Research Project of ICMR, New Delhi. **₹ 47.52 Lakh (Ongoing).**
- ✚ **Principal Investigator** of project “Design of Novel Dihydrofolate Reductase Inhibitors as Potential Anti-Microbial and Anti-Cancer Agents” Funded under **Research Promotion Scheme of AICTE New Delhi. Grant ₹ 16 Lakh (2012-14).**
- ✚ **Principal Investigator** of a Project entitled “Microwave mediated synthesis of Hantzsch esters of potential biological interest.” of University of Pune, Pune. **Grant ₹ 2 Lakh (2009-11).**

### *Patents and Patent Applications*

- ✚ Sachin Shivaji Jadhav, **Ramesh Lakshman Sawant** and Vijay Vinayak Pawar. 2-Benzylidine -2,3-Dihydro-1h-Indole as Anticancer Agent and Process of Synthesis Thereof. Application No.202121010539 A. Date of filing of Application: 12/03/2021. Publication Date: 28/05/2021.
- ✚ Vijay Vinayak Pawar and **Ramesh Lakshman Sawant**. 8,10 Dimethyl-7A,8,11A,12 Tetrahydro-7 oxa-8,10 Diazbenz(A) Anthracene 9,11 Dione Compounds as Anticancer Agents. Application No.202121004141. Date of filing of Application: 30/01/2021. Publication Date: 16/04/2021.
- ✚ Dhikale Ganesh Keshav and **Sawant Ramesh Lakshman**. Substituted N-(4-Oxo-2-Phenyl-1,3-Thiazolidin-3-yl) Benzamides and their Anticancer Activity.

Application No.202021052537 A. Date of filing of Application: 02/12/2020.  
Publication Date: 15/01/2021.

✚ **Sawant Ramesh Lakshman** and Lunkad Amit Subhashch. 3-(2-Amino-6-(Substituted) Phenylpyrimidin-4-yl)-2H-Chromen-2-One and Their Anticancer Activity. Application No.202021017543 A. Date of filing of Application: 24/04/2020. Publication Date: 17/07/2020.

✚ **Ramesh Sawant** and Sagar Mhaske. Extended Release Compositions of Saxagliptin and Methyldopa. Indian Patent Application No. 547/MUM/2015, February 20, 2015. (Published on 26/08/2016).

### *Books authored*

---

✚ **“Fundamentals of Quality Assurance Techniques”** *First Edition*, Career Publications, Nasik (2011). ISBN: 978-81-88739-97-4.

✚ **“Fundamentals of Quality Assurance Techniques”** *Second Edition*, Career Publications, Nasik (2016). ISBN: 978-93-82322-35-1.

✚ **“The Handbook of Experimental Ultraviolet Absorption Spectroscopy”** *First Edition*, Career Publication, Nasik (2016). ISBN: 978-93-82322-49-8.

### *Paper Publications*

---

#### ✚ International

1. Ramesh L Sawant, Manisha R Sawant, Jyoti B Wadekar, Rushikesh D Ukirde, Ganesh D Barkade and Anjali S Rajbhoj. Nanocatalytic Synthesis of Thiazolidine-4-Ones and their Anticancer Potential Supported with Molecular Modeling Studies. ***European Journal of Medicinal Chemistry***. (Communicated), 2021.

**[IMPACT FACTOR – 6.514]**

2. A. S. Lunkad and **R. L. Sawant**. Synthesis of Some New Derivatives of Coumarin Containing Pyrazoline and Investigation against Human Lung Cancer Cell Line. ***European Journal of Molecular & Clinical Medicine***. Vol. 8(3), 3028 - 3036, (2021)

3. **Sawant Ramesh**, Wadekar Jyoti, Ukirde Rushikesh and Barkade Ganesh. Recent Progress in Development of Polo-Like Kinase 1 Inhibitors: Efforts So Far. ***Pharmaceutical Sciences***. (Accepted). 2020.

**[Cite Score – 1.7]**

4. Namdeo Jadhav, Jidnyasa Pantwalawalkar, **Ramesh Sawant**, Afrin Attar, Dipali Lohar, Pallavi Kadane, Kanchan Ghadage. Development of Progesterone Oily Suspension using Moringa oil and Neusilin US2. ***Journal of Pharmaceutical Innovation***. 2021.

[doi.org/10.1007/s12247-020-09529-y](https://doi.org/10.1007/s12247-020-09529-y)

**[IMPACT FACTOR – 1.700]**

5. **Sawant Ramesh**, Wadekar Jyoti, Ukirde Rushikesh and Barkade Ganesh. Synthesis, Molecular Docking and Anticancer Activity of Novel 1, 3-Thiazolidin-4-Ones. **Pharmaceutical Sciences**. Vol. 27(3), 345 - 352, (2021).  
[Cite Score – 1.7]
6. Ukirde RD, Sawant RL, Barkade GD. Development and validation of simple uv spectrophotometric method for the determination of racecodotril both in bulk and marketed dosage formulations. **International Journal of Pharmaceutical Quality Assurance**. Vol. 11(3), 334 - 337, (2020).
7. **Sawant Ramesh**, Wadekar Jyoti, Ukirde Rushikesh and Barkade Ganesh, Molecular Docking Studies of 1, 3- Thiazolidin-4-Ones as Potential Human Polo Like Kinase 1 (Plk 1) Inhibitors. **Computational Biology E Journal**. Vol. 4(16), (2020) and **Pharmacology E Journal**. Vol. 4(23), (2020).
8. Rushikesh D. Ukirde, **Ramesh L. Sawant**, and Ganesh D. Barkade. Development and Validation of Simple UV Spectrophotometric Method for the Determination of Racecodotril both in Bulk and Marketed Doasage Form. *International Journal of Pharmaceutical Quality Assurance*. Vol. 11(3), 334 - 337, (2020).
9. Ganesh K. Dhikale, **Ramesh L. Sawant**, Mahesh R. Dumbare. Microwave Assisted Synthesis and Molecular Modeling Studies of Some Novel Polo-Like Kinase 1 Inhibitors as Anticancer and Antiinflammatory Agents. **International Research Journal of Pharmacy**. Vol. 11(4), 56 - 65, (2020).
10. Dyade G. K., **Sawant R. L.**, Joshi H. A., Shinde A. D., Bandal R. S., Gadhingleskar S. V. A Novel Approach: Effect of Polarity Index of Mobile Phase on Retention Time of Antihyperlipidemic Antihypertensive and Angiotensin Inhibiting Drugs in RP-HPLC Method. **Research Journal of Pharmacy and Technology**. Vol. 13(7), 3065 – 3071, (2020).
11. Rushikesh Ukirde, Ramesh Sawant and Amit Nerkar. Role of Epidermal Growth Factor Receptor Inhibitors in Treating Cancer. **Current Trends in Pharmacy and Pharmaceutical Chemistry**. Vol. 2(1), 57 – 63, (2020).
12. Dyade GK, **Sawant RL**. Simple Bioanalytical Quantification Method for Simultaneous Estimation of Simvastatin and Ezetimibe in Human Plasma by Reverse-Phase High-Performance Liquid Chromatography Technique. **Asian Journal of Pharmaceutical and Clinical Research**. Vol. 13(1), 160-165, (2020).
13. Y A Kadam, R D Ukirde, A G Nerkar and R L Sawant. Development and Validation of Analytical Methods for Estimation of Dolasetron Mesylate in Bulk by UV Spectroscopy. **Current Trends in Pharmacy and Pharmaceutical Chemistry**. Vol. 1(3), 48 – 56, (2019).
14. Barkade G, **Sawant R** and Wadekar J. Repurposing and Phytochemical Investigation of Salacia Oblonga Root Extract Responsible Anticancer Activity Against Breast Cancer Cell Line (MCF 7). **International Journal of Pharmacognosy**. Vol. 6(11), 353-359, (2019).
15. Dyade GK, **Sawant RL** and Jadhav RB: Estimation of Solid Dosage Forms of Combined Antihyperlipidaemic Drugs by Validated Reverse Phase Liquid Chromatographic Method. **International Journal of Pharmaceutical Sciences and Research**. Vol. 10(12), 5463-5470, (2019).  
[IMPACT FACTOR – 0.590].

16. Dyade GK, **Sawant RL** Validated RP-HPLC Method and Unique Mobile Phase for the Simultaneous Estimation of Amlodipine Besylate and Valsartan from Solid Dosage Form and Rosuvastatin and Valsartan from Bulk. **Asian Journal of Pharmaceutical and Clinical Research**. Vol. 12(4), 156-162, (2019).
17. **Ramesh L. Sawant**, Rahul Kale, Jyoti Wadekar, Amol Ghodechor, Abhijit Sherkar. Targeting VEGF to Design Pyrimidines against Breast Cancer and Diabetic Retinopathy. **Moroccan Journal of Chemistry**. Vol. 6(4), 689-699, (2018).  
[IMPACT FACTOR – 0.552].
18. A. S. Lunkad and **R. L. Sawant**. Conventional and Microwave Assisted Synthesis of Some New Derivatives of Coumarin Containing Pyrazoline and Investigation of Their Antibacterial and Antifungal Activities. **International Journal of Pharmaceutical Sciences and Research**. Vol. 9(7), 2852-2858, (2018).  
[IMPACT FACTOR – 0.590].
19. **Ramesh L. Sawant**, Jyoti B. Wadekar, Santosh B. Kharat, Hitakshi S. Makasare. Targeting PPAR- $\gamma$  to Design and Synthesize Antidiabetic Thiazolidines. **EXCLI Journal**. Vol. 17, 598-607, (2018).  
[IMPACT FACTOR – 2.424].
20. Jyoti B. Wadekar\*, **Ramesh L. Sawant**, Sachin V Kirtane, Kunal R Sanklecha, Amol S Ghodechor, Bhagyashri B More, Varsha R Raut. In vitro Anti-coagulant Activity of *Dalbergia sissoo* Bark. **The Journal of Phytopharmacology**. Vol. 6(5), 297-299, (2017).
21. **Ramesh L Sawant**, Rahul B Kale, Amol S Ghodechor, Abhijit B Sherkar, Kunal R Sanklecha. Development and Validation of UV Spectrophotometric Methods for Simultaneous Estimation of Amlodipine besylate and Theophylline. **Asian Journal of Pharmaceutical Analysis**. Vol. 7(3), 1-4, (2017).
22. Jyoti B. Wadekar, **Ramesh L. Sawant**, Kunal R. Sanklecha, Amol S. Ghodechor, Priyanka B. Sable, Ganesh D. Barkade. Anticoagulant activity of *Calotropis gigantea* leaves. **Research Journal of Pharmacy and Technology**. Vol. 9(9), 1493-1495, (2016).  
DOI: 10.5958/0974-360X.2016.00290.0
23. Jyoti B. Wadekar\*, **Ramesh L. Sawant**, Unnati B. Patel. Rheumatoid arthritis and herbal drugs: A review. **Journal of Phytopharmacology**. Vol. 4(6), 311-318, (2015).
24. **RAMESH L. SAWANT**, KALYANI A. JADHAV, KALLYANI D. TANPURE, ANJALI V. BHARAT. Bioanalytical Method Development for Simultaneous Estimation of Quinine and Ciprofloxacin by using RP-HPLC. **International Journal of Pharmaceutical research and Bio-Science**. Vol. 4(4), 36-47, (2015).
25. Kalyani A. Jadhav\*, **Ramesh L. Sawant**, Kallyani D. Tanpure. Development of a Thin Layer Chromatography Method for the Estimation of Quinine and Ciprofloxacin. **Asian Journal of Pharmaceutical Technology & Innovation**. Vol. 3(13), 6-12, (2015).

26. **Sawant Ramesh L.**, Bharat Anjali V \*, Tanpure Kallyani D., Jadhav Kallyani A. A New RP-HPLC Method Development for Simultaneous Estimation of Salbutamol Sulphate, Theophylline and Furosemide. ***International Journal of Pharma Sciences and Research***. Vol. 6(4), 683–688, (2015).
27. **Sawant Ramesh L.**, Jadhav Kalyani A., Shirsat Ajay K., Inamdar Nupur A. Spectroscopic Methods Development for Simultaneous Estimation of Rifampicin and Ofloxacin. ***International Journal of Universal Pharmacy and Bio Sciences***. Vol. 4(3), 312–325, (2015).
28. **Sawant Ramesh. L.**, Tanpure Kallyani D, Bharat Anjali V., Jadhav Kalyani A., Simultaneous Estimation of Isiniazid, Metformin Hydrochloride and Glimepiride by RP-HPLC. ***Inventi Rapid: Pharm Analysis & Quality Assurance***. 2015 (2), 1-4, (2015). Article ID: Inventi:ppaqa/15357/15.
29. **Sawant Ramesh. L.**, Tanpure Kallyani D, Bharat Anjali V., Jadhav Kalyani A., Simultaneous Estimation of Isiniazid and Metformin Hydrochloride in Bulk by UV Spectrometric Method. ***International Journal of Advances in Pharmaceutical Research***. Vol. 6(2), 56–61, (2015).
30. **Sawant RL**, Jadhav KA , Tanpure KD, Bharat AV, RP-HPLC Methods Development for the Simultaneous Estimation of Quinine and Ciprofloxacin. ***International Journal for Pharmaceutical Research Scholars***. Vol. 4(2), 130–135, (2015).
31. **Sawant Ramesh L.**, Bharat Anjali V., Tanpure Kalyani D. and Jadhav Kalyani A, Spectroscopic methods for the simultaneous estimation of theophylline and furosemide ***Der Pharmacia Lettre***, Vol. 7(2), 199–205, (2015).
32. **Sawant Ramesh L**, Jadhav Kalyani A, Tanpure Kallyani D, Bharat Anjali V, Analytical Method Development for Simultaneous Estimation of Quinine and Ciprofloxacin. ***Inventi Rapid: Pharm Analysis & Quality Assurance***. 2015 (2), 1-6, (2015). Article ID: Inventi:ppaqa/15293/15.
33. **Ramesh Sawant**, Ajay Shirsat\*, Karan Pawa, Development and Validation of UV Spectrophotometric Methods for Simultaneous Estimation of Losartan Potassium and Amlodipine Besylate in Pharmaceutical Dosage Form. ***Inventi Rapid: Pharm Analysis & Quality Assurance***. 2015 (1), 1-5, (2015). Article ID: Inventi:ppaqa/15195/15.
34. **Sawant Ramesh L.**, Pawar Harish R., RP-HPLC Method Development of Metformin Hydrochloride and Amlodipine Besylate. ***Inventi Rapid: Pharm Analysis & Quality Assurance***. 2015 (1), 1-4, (2014). Article ID: Inventi:ppaqa/14692/14.
35. **R.L. Sawant**, S.M. Mhaske, Analytical Method Development for Simultaneous Estimation of Saxagliptin and Methyldopa. ***Asian Journal of Pharmaceutical Research***. Vol. 4(3), 134–140, (2014).
36. Wadekar Jyoti, **Sawant Ramesh**, Sanklecha Kunal, Ghodechor Amol and Hardas Dnyaneshwar. Anthelmintic and Antibacterial Activity of *Colocasia Esculenta* Stems. ***International Journal of Drug Targets***. Vol. 5(1), 69–73, (2014).
37. **Ramesh L. Sawant**, Dnyaneshwar B Hardas, Karan K Pawa, Abhishek K Shinde. QSAR Analysis of Structurally Similar 1, 3, 4-Oxadiazole/Thiadiazole and 1, 2, 4-Triazole Derivatives of Biphenyl-4-Yloxy Acetic Acid as

- Antiinflammatory Agents. **World Journal of Pharmaceutical Research**. Vol. 3(6), 1844–1858, (2014).
38. **Ramesh L. Sawant \***, Supriya S. Ramdin and Jyoti B. Wadekar. Synthesis, QSAR and docking studies of 5H<sub>T2A</sub> receptor antagonising thiazolo[3,2-a]pyrimidines as antipsychotic agents. **Marmara Pharmaceutical Journal**. Vol. 18, 109–119, (2014).
  39. Sayali V. Pardeshi, Pranali P. Anmal, Sumit S. Katariya and **Sawant R. L.** Validation parameters for estimation of rifampicin and isoniazid in a combined tablet dosage form using UV spectrophotometric methods. **Der Pharmacia Lettre**. Vol. 6(4), 474–477, (2014).
  40. **Ramesh L. Sawant \***, Deepali Kawade and Jyoti Wadekar. Molecular Modeling Study of Some Anthelmintic 2-phenyl Benzimidazole-1-Acetamides as  $\beta$ -tubulin Inhibitor. **International Journal of Drug Design and Discovery**. Vol. 5(1), 1269–1275, (2014).
  41. Abdul Wahid Ambekar, Harshada P Bhosale, **Ramesh L Sawant**, Jyoti B Wadekar and Meenu D Jain. Simultaneous Estimation of Cefixime and Ofloxacin in Tablet Dosage Form. **International Journal of Research in Pharmacy and Chemistry**. Vol. 4(2), 396–400, (2014)
  42. Akshay C. Kamod, **Ramesh L. Sawant** & Sagar A. Mogal. Spectrophotometric Methods for Estimation of Atenolol and Amlodipine besylate in Combined Tablet Dosage Form. **Analytical Chemistry Letters**. Vol. 3(3), 191–198, (2013)  
DOI: 10.1080/22297928.2013.838427
  43. V.R. Pawar\*, **R.L. Sawant**, S.A. Mogal, S.A. Shahane & K.B. Babar. QSAR Analysis of Thiourea, Thiazolidinedione and Thioparabanic Acid Derivatives of 4-Aminoquinoline as Antimalarials. **International Journal of Pharmacy and Integrated Life Sciences**. Vol. 1(18), 20–30, (2013).
  44. **Ramesh L. Sawant\***, Prashant D. Lanke and Jyoti B. Wadekar. Tyrosinase Inhibitory Activity, 3D QSAR and Molecular Docking Study of 2, 5-Disubstituted-1, 3, 4-Oxadiazoles. **Journal of Chemistry**. Vol. 2013, Article ID 849782, 7 pages, (2013).  
DOI: 10.1155/2013/849782.  
[IMPACT FACTOR – 0.716].
  45. Amruta A. Bankar\*, Sonu R. Lokhande, **Sawant R. L.** and Ankita R. Bhagat. Spectrophotometric Estimation of Guaifenes in and Salbutamol in Pure and Tablet Dosage Form by using Different Methods. **Der Pharma Chemica**. Vol. 5(3), 92–97, (2013).
  46. **Ramesh L.Sawant \***, Ganesh D. Jadhav, Prashant D. Lanke and Jyoti B. Wadekar. QSAR and Docking Study for Rate of Mushroom Tyrosinase Inhibition by Some 5-Benzylidene Barbiturate Derivative. **International Journal of Drug Design and Discovery**. Vol. 4(2), 1077–1082, (2013).
  47. Wadekar Jyoti\*, **Sawant Ramesh**, Pawar Sameer, Ahmed Raihan and Shinde Girish. Diuretic Activity of *Tridax Procumbens* Leaves. **International Journal of Drug Targets** Vol. 4(1), 57–59, (2013).
  48. **Ramesh L. Sawant\***, Charusheela A. Bansode and Jyoti B. Wadekar. In vitro anti-inflammatory potential and QSAR analysis of oxazolo / thiazolo



pyrimidine derivatives. **Medicinal Chemistry Research**. Vol. 22(4), 1884–1892, (2013).

DOI: 10.1007/s00044-012-0189-5.

[IMPACT FACTOR – 1.271]

49. **Ramesh L. Sawant\***, Manish A. Raskar, Manisha R. Sawant, Raihan Ahmed, Sameer Pawar. Simultaneous Spectrophotometric Estimation of Metoprolol succinate, Atorvastatin calcium and Ramipril in Tablet Dosage Form. **Analytical Chemistry Letters**. Vol. 2(5), 320–326, (2012)  
DOI: 10.1080/22297928.2012.10648284
50. Rupali Joshi\*, Nilima Pawar, **Ramesh Sawant** and Pandurang Gaikwad. Simultaneous Estimation of Paracetamol, Chlorzoxazone and Ibuprofen by Validated Spectrophotometric Methods. **Analytical Chemistry Letters**. Vol. 2(2), 118–124, (2012)  
DOI: 10.1080/222979282000.10648258
51. **Ramesh L. Sawant\***, Mahesh S. Mhaske, Jyoti B. Wadekar. Synthesis and antimicrobial activity of Schiff bases of 1, 3-oxazines. **International Journal of PharmTech Research**. Vol. 4(4), 1653–1659, (2012).
52. **Ramesh L. Sawant\***, Mahesh S. Mhaske, Jyoti B. Wadekar. Anticoagulant Potential of Schiff Bases of 1,3-Oxazines. **International Journal of Pharmacy and Pharmaceutical Sciences**. Vol. 4(4), 320–323, (2012).  
[IMPACT FACTOR – 0.380].
53. **Ramesh L. Sawant\***, Supriya S Ramdin, Sumidha R Rathi. 3D QSAR analysis of quinolone based s-triazines as antimicrobial agent. **International Journal of PharmTech Research**. Vol. 4(3), 1096–1100, (2012).
54. **Ramesh L. Sawant\***, Manish A Raskar, Gouri P Somawanshi, Shweta A Jadhav. Simultaneous UV Spectrophotometric Methods for Estimation of Losartan Potassium and Amlodipine Besylate in Tablet Dosage Form. **Research Journal of Pharmaceutical Biological and Chemical Sciences**. Vol. 3(3), 397–404, (2012).
55. Jyoti Wadekar\*, **Ramesh Sawant**, Rahul Naik and Amruta Bankar. Anthelmintic and Antibacterial Potential of *Sonchus arvensis* Leaves. **International Journal of Pharmaceutical Frontier Research**. Vol. 2(2), 50–55, (2012).
56. **Ramesh L. Sawant\***, Varsha I. Sarode, Ganesh D. Jadhav and Jyoti B. Wadekar. Synthesis, molecular docking and cardioprotective activity of 2-methylthio-1, 4-dihydropyrimidines. **Medicinal Chemistry Research**. Vol. 21(8), 1825–1832, (2012).  
DOI: 10.1007/s00044-011-9700-7.  
[IMPACT FACTOR – 1.271].
57. **Sawant Ramesh\***, Ahmed Raihan, Ramdin Supriya, Darade Sheetal. Spectrophotometric Methods for Simultaneous Estimation of Atorvastatin and Niacin in Tablet Dosage Form. **International Research Journal of Pharmacy**. Vol. 3(5), 364–367, (2012).
58. **Ramesh SAWANT\***, Charusheela BANSODE and Jyoti WADEKAR. Synthesis and QSAR Analysis of Oxazolo/thiazolo Pyrimidine Derivatives as Potential Antibacterial Agents. **Latin American Journal of Pharmacy**. Vol. 31(2), 181–9, (2012).

[IMPACT FACTOR – 0.309].

59. **Ramesh L. Sawant \***, Raihan Ahmed, Ramdin S. Supriya and Darade. R. Sheetal. Spectrophotometric estimation of paracetamol and promethazine in tablet dosage forms. **Der. Pharma. Chemica**. Vol. 4 (2) 714-719, 2012.
60. **Ramesh L. Sawant \***, Manish A. Raskar, Raihan Ahmed and Sameer Pawar. Validated spectrophotometric methods for simultaneous estimation of telmisartan and indapamide in pharmaceutical dosage form. **Der. Pharma. Chemica**. Vol. 4 (2) 633-638, 2012.
61. **Ramesh Sawant\***, Lokesh Bhangale, Jyoti Wadekar and Pandurang Gaikwad. Substituent selection for design and synthesis of antimicrobial 1,3 oxazines: A Topliss modified approach. **Redactia Revistei FARMACIA** Vol. 60 (1), 32-39, 2012.

[IMPACT FACTOR – 0.850].

62. Jyoti Wadekar\*, Ramchandra Jadhav and **Ramesh Sawant**. Pharmacognostic Evaluation of the Leaves of *Cassia auriculata* Linn. **International Journal of Pharmaceutical Frontier Research** Vol. 1 (3), 77-85, 2011.
63. **Ramesh Sawant\*** and Varsha Sarode. Synthesis, Spectral Characterization and Analgesic Activity of 2-Methylthio-1, 4- Dihydropyrimidines. **Iranian J. Pharm. Res.** Vol. 10 (4), 733-739, 2011.

[IMPACT FACTOR – 0.651].

64. **Ramesh L. Sawant\***, Sanket D. Hadawale, Ganesh K. Dhikale, Charusheela A. Bansode, Pravin S. Tajane. Spectrophotometric methods for simultaneous estimation of rabeprazole sodium and aceclofenac from the combined capsule dosage form. **Pharmaceutical Methods**. Vol. 2 (3), 193-197, 2011.  
DOI: 10.4103/2229-4708.90362
65. **Ramesh Sawant**, Lokesh Bhangale and Jyoti Wadekar. Topliss Modified Approach for Design and Synthesis of 1, 3 Thiazines as Antimicrobials. **International Journal of Drug Design and Discovery**. Vol. 2 (4), 637-641, 2011.
66. **Ramesh L. Sawant\***, Manish A. Raskar, Ganesh D. Jadhav. Spectroscopic Characterization and Quantitative Estimation of Ropinirole Hydrochloride through Charge Transfer Complex Formation and Redox Reaction. **Analytical Chemistry letters**. Vol. 1 (3), 207-223, 2011.  
DOI: 10.1080/22297928.2011.10648222
67. **Ramesh Sawant\***, Rupali Joshi, Manisha Sawant, Prashant Lanke and Lokesh Bhangale. Mathematical and Multiwavelength Spectrophotometric Methods for Simultaneous Estimation of Paracetamol, Phenylephrine Hydrochloride, Chlorpheniramine Maleate and Caffeine. **International Journal of Pharmaceutical Frontier Research** Vol. 1 (2), 31-38, 2011.
68. Jyoti Wadekar\*, **Ramesh Sawant** and Bharat Honde. Anthelmintic and Antibacterial Potential of *Cassia auriculata* Roots. **International Journal of Pharmaceutical Frontier Research** Vol. 1 (2), 93-98, 2011.
69. **Ramesh Sawant\*** and Deepali Kawade. Synthesis and biological evaluation of some novel 2-phenyl benzimidazole-1-acetamide derivatives as potential anthelmintic agents. **Acta Pharmaceutica**. Vol. 61 (3), 353-361, 2011.  
DOI: 10.2478/v10007-011-0029-z

[IMPACT FACTOR – 1.312].

70. **R. Sawant\***, R. Joshi, P. Lanke and L. Bhangale. Simultaneous Estimation & Validation of Paracetamol, Phenylephrine Hydrochloride and Chlorpheniramine Maleate in tablets by spectrophotometric method. **JPRHC**. Vol. 3 (2) 23-28 2011.
71. **Ramesh L. Sawant\***, Jyoti B. Wadekar and Prashant D. Lanke. QSAR analysis of structurally similar antitubercular isatin analogues. **Latin American Journal of Pharmacy**. Vol. 30(4), 773–80, (2011).  
[IMPACT FACTOR – 0.309].
72. **Ramesh L. Sawant\***, Ganesh K. Dhikale, Sanket D. Hadawale and Prashant D. Lanke. 3D-QSAR analysis of 5-cyano-6-aryl-2-thiouracil as inhibitors of Hepatitis C viral NS5B RNA-dependent RNA polymerase. **Der. Pharma. Chemica**. Vol. 3 (2) 88-95 2011
73. Ambekar Abdul Wahid\*, Nagaraju Ravouru and **Sawant Ramesh Lakshman**. Ethosomes: A Tool for Transdermal Drug Delivery. **Current Trends in Biotechnology and Pharmacy**. Vol. 5 (1) 972-981 2011.
74. Rupali S. Joshi, Nilima S. Pawar and **Ramesh L. Sawant\***. Validated Spectrophotometric Methods for Simultaneous Estimation of Acetaminophen, Chlorpheniramine Maleate, Caffeine in Pure and Tablet Dosage Form. **Latin American Journal of Pharmacy**. Vol. 29(7), 1226–30, (2010).  
[IMPACT FACTOR – 0.309].
75. **Ramesh L. Sawant\*** and Prashant D. Lanke. Microwave Assisted Synthesis and 3D QSAR Analysis of Analgesic Oxadiazoles. **International Journal of Drug Design and Discovery**. 1:4, 336-344, 2010.
76. Prafulla. B. Choudhari\*, Kundan. B. Ingale, Neela M. Bhatia, Manish. S. Bhatia, Deepak. B. Sangale and **Ramesh. L. Sawant**. Two- and Three-Dimensional Quantitative Structure-Activity Relationships Studies on a Series of Anthelmintics. **International Journal of Drug Design and Discovery**. 1:4, 325-330, 2010.
77. **Ramesh Sawant\***, Lokesh Bhangale, Rupali Joshi and Prashant Lanke. Validated Spectrophotometric Methods for Simultaneous Estimation of Paracetamol, Domperidone and Tramadol HCl in Pure and Tablet Dosage Form. **Journal of Chemical Metrology**. 4:1, 21-27, 2010.
78. **Ramesh Sawant\***, Rupali Joshi, Deepali Kawade and Varsha Sarode. Development and Validation of Spectrophotometric Methods for Simultaneous Estimation of Paracetamol and Meloxicam in Pure and Tablet Dosage Form. **Der Pharmacia Lettre**. Vol. 2(2), 471-478, 2010.
79. **Ramesh Sawant\***, Prashant Lanke, Ganesh Jadhav and Lokesh Bhangale. QSAR Analysis of Structurally Similar 1, 3, 4 - Oxadiazoles as Enzyme Tyrosinase Inhibitors. **Drug Invention Today**. Vol. 2(2), 169-172, 2010.
80. Manish S. Bhatia\*, Kundan B. Ingale, Prafulla B. Choudhari, **Ramesh L. Sawant** and Chandragouda R. Patil. Two and Three-Dimensional Quantitative Structure-Activity Relationships Studies on a Series of Diuretics. **Latin American Journal of Pharmacy** Vol. 28(6), 927–31 (2009).  
[IMPACT FACTOR – 0.309].

81. **Ramesh L. Sawant\*** and Manish S. Bhatia. QSAR Analysis of 2-Oxo-1,2,3,4-Tetrahydropyrimidine Analogues of Antibacterials. **Collect. Czech. Chem. Commun.** Vol. 74(9), 1361–1373 (2009).  
DOI:10.1135/cccc2009054  
[IMPACT FACTOR – 0.784]
82. M. S. Bhatia\*, K. B. Ingale, P. B. Choudhari, N. M. Bhatia, **R. L. Sawant.** Application of Quantum and Physico Chemical Molecular Descriptors Utilizing Principal Components to Study Anticoagulant Activity of Pyridyl chromen-2-one Derivatives. **Bioorganic & Medicinal Chemistry** Vol. 17(4), 1654-1662 (2009).  
DOI:10.1016/j.bmc.2008.12.055  
[IMPACT FACTOR – 3.075].
83. **Ramesh L. Sawant\*** and Manish S. Bhatia. Synthesis, Screening and QSAR Studies of 3-Benzoyl-2-Oxo/thioxo-1,2,3,4-Tetrahydropyrimidine Analogues as Antibacterial Agents. **Bull. of Chemical Society of Ethiopia** Vol. 22(3), 391-402 (2008).  
[IMPACT FACTOR – 0.270]
84. **RL Sawant\*** and MS Bhatia. Application of Topliss Modified Approach in the Design and Synthesis of GABA-nergic Anticonvulsants. **Research Journal of Pharmacy and Technology** Vol. 1(3), 273-275 (2008).
85. **Ramesh L. Sawant\*** and Manish S. Bhatia. Synthesis, Screening and QSAR Studies of 3-Formyl-2-Thioxo-1,2,3,4-Tetrahydropyrimidine Analogues as Antibacterial Agents. **Oriental Journal of Chemistry** Vol. 24(1), 181-188 (2008).
86. **Ramesh L. Sawant\*** and Manish S. Bhatia. Synthesis, Screening and QSAR Studies of 3-Formyl-2-Oxo-1,2,3,4-Tetrahydropyrimidine Analogues as Antibacterial Agents. **International Journal of Chemical Sciences** Vol. 6(1), 45-58 (2008).
87. **Ramesh L. Sawant\*** and Manish S. Bhatia. Synthesis, Screening and QSAR Studies of 3-Benzoyl-2-Thioxo-1,2,3,4-Tetrahydropyrimidine Analogues as Antibacterial Agents. **Asian Journal of Chemistry** Vol. 20(6), 4706-4712 (2008).  
[IMPACT FACTOR – 0.268].
88. **R. L. Sawant\***, M. S. Bhatia, Manisha R. Sawant and Jyoti B. Wadekar. Retroviral Proteases: A Potential Target for Development of Antiviral Agents. **Current Trends in Biotechnology and Pharmacy**, Vol. 2(1), 117-125 (2008).
89. **Ramesh L. Sawant\*** and Manish S. Bhatia. Synthesis of 7-(4-Substituted Phenyl)-5-Thioxo-2,5-Dihydro-3H-[1,2,4]Triazolo[3,4-a][2,4] Benzodiazepin-3-Ones as Anticonvulsants. **Indian Journal of Heterocyclic Chemistry**, Vol. 17, 383-384 (2008).  
[IMPACT FACTOR – 0.295]
90. **Ramesh L. Sawant\***, Manish S. Bhatia and Jyoti B. Wadekar. Design, Synthesis and Development of 5-[(4-Substituted) Phenyl]-3-Thioxo -2,3 -Dihydro-1H-2,4-Benzodiazepin-1-Ones as Anticonvulsants. **Oriental Journal of Chemistry** Vol. 23(3), 1035-1038 (2007).

91. **Ramesh L. Sawant\***, Manish S. Bhatia and Jyoti B. Wadekar. Design, Synthesis and Development of (11z)-11-(4-Substituted Phenyl)Dibenzo[b,f][1,4]Diazocin-6(5H)-Ones as Anticonvulsants. **Journal of Ultra Chemistry**, Vol. 3(2), 179-184 (2007).

#### National

1. SJ Surana, SB Gokhale, RB Jadhav, **RL Sawant**, Jyoti B Wadekar\*. Antihyperglycemic activity of various fractions of *Cassia auriculata* Linn. in alloxan diabetic rats. **Indian Journal of Pharmaceutical Sciences** Vol. 70(2), 227-229 (2008).  
[IMPACT FACTOR – 0.455]  
DOI: 10.4103/0250-474X.41461
2. SJ Surana, SB Gokhale, RB Jadhav, **RL Sawant**, Jyoti B Wadekar\*. Antimicrobial potential of flowers of *Cassia auriculata* Linn. **Indian Journal of Natural Products** Vol. 23(4), 24-26 (2007).
3. Pravin Cholke, S. Z. Chemate, R. S. Joshi, M. A. Raskar, and **R. L. Sawant**. Development and Validation of Spectrophotometric Method for Efavirenz in Pure and in Film coated Tablet Dosage Form. **Research Journal Pharm. and Tech.** Vol. 4 (12), 1816-1818, 2011.

#### Conferences (Abstract Published)

#### International

1. Trends in Drug Design and Discovery. Savitribai Phule Pune University, Pune Sponsored International Level Conference on “Recent Advances in Traditional Medicine, Medicinal Plants and Phytochemistry” organized by BPHE Society’s Ahmednagar College, Ahmednagar on 8<sup>th</sup> & 9<sup>th</sup> February 2019.
2. Structural requirements of 1, 3- thiazolidin-4 one to inhibit polo like kinase 1 (PLK 1) as anticancer agents. World Congress on Pharmacology - 2019 "Drug Discovery, Design & Development" to be held on 28<sup>th</sup> and 29<sup>th</sup> August 2019 at J.N.TATA Auditorium, India Institute of Science, Bengaluru, Karnataka.
3. Design of Polo Like Kinase 1 (PLK 1) Inhibitors against Cancer. 3<sup>rd</sup> World Congress on Drug Discovery and development – 2019 to be held on 20<sup>th</sup> & 21<sup>st</sup> November 2019 in Mumbai, Maharashtra.

#### National

4. ‘Synthesis and preliminary pharmacological screening of 5-[(4-substituted phenyl)-3-thioxo -2,3 -dihydro-1H-2,4-benzodiazepin-1-ones’ at National Symposium on Frontiers in Drug Discovery & Process Research - 2007 held at Bharati Vidyapeeth College of Pharmacy, Kolhapur.

5. 'Protease inhibitors: promising anti-aids agents' in Recent Advances in Novel and Cosmetic Technology" sponsored by UGC held at Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur in March 2007.
6. 'Antibacterial potential of leaves of *Sesbania sesban* linn.' in Recent Advances in Novel and Cosmetic Technology" sponsored by UGC held at Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur in March 2007.
7. Antibacterial activity of fruits of *Elettaria cardamomum*. APTI 2007 held at Chandigarh.
8. Effect of polymer concentration on the drug release rate. APTI 2007 held at Chandigarh.
9. Antihyperlipidemic activity of *Cassia auriculata* in rats. IPC 2007 at Varanasi.
10. Effect of guar-gum on the drug release rate. IPC 2007 at Varanasi.
11. Synthesis of novel GABA-nergic agonist with their preliminary pharmacological screening. IPC 1995.
12. 'Dihydrofolate reductase as a therapeutic target' presented in National Conference on "Emerging Trends in Biotechnology for Modern Era" held on 29-30 Sept. 07 at College of Computer Science & Information Technique, Latur. **(Third prize)**
13. 'Genomics in antimicrobial drug discovery' presented in National Conference on "Emerging Trends in Biotechnology for Modern Era" held on 29-30 Sept. 07 at College of Computer Science & Information Technique, Latur.
14. 'Fusion inhibitors: A new era in HIV treatment.' Presented at National Seminar on HIV-AIDS & Herbal Drug Research to be held at J. L. Chaturvedi College of Pharmacy, Nagpur. Nov. 2007.
15. 'Cynovirin: A drug in pipeline.' Presented at National Seminar on HIV-AIDS & Herbal Drug Research to be held at J. L. Chaturvedi College of Pharmacy, Nagpur. Nov. 2007.
16. 'Babies born to HIV infected mothers.' Presented at National Seminar on HIV-AIDS & Herbal Drug Research to be held at J. L. Chaturvedi College of Pharmacy, Nagpur. Nov. 2007.
17. "Investigation of flowers and seeds of *Cassia auriculata* Linn. for antihistaminic activity" APTI Convention, Bilaspur. Oct. 2008.
18. "Does Vitamin C Kills Swine Flu?" APTI Convention, Jodhpur, Oct. 2009.(accepted)
19. "Stem cells: Life saving wonder" Avishkar – Zonal Level Competition, Nagar College, Ahmednagar, 8<sup>th</sup>-9<sup>th</sup> Dec. 2009.
20. "India: The hub of clinical trials" Avishkar – Zonal Level Competition, Nagar College, Ahmednagar, 8<sup>th</sup>-9<sup>th</sup> Dec. 2009.
21. "Validated Spectrophotometric Estimation of Antiviral Agent in Bulk and Pharmaceutical Formulation" Avishkar – Zonal Level Competition, Nagar College, Ahmednagar, 8<sup>th</sup>-9<sup>th</sup> Dec. 2009.
22. "Need for magnification on research of rare diseases", ICMR sponsored National level workshop on Preclinical Pharmacology: Conventional To In Silico organized by Pravara Rural College of Pharmacy, Loni on 27<sup>th</sup> and 28<sup>th</sup> Dec. 2009. **(Third prize)**



23. "Telomerase: A target for anticancer drug development", University of Pune sponsored National Conference on Recent Trends In Prodrug Approach organized by Pravara Rural College of Pharmacy, Loni on 29<sup>th</sup> and 31<sup>st</sup> Dec. 2009.
24. "Microwave–Mediated Synthesis of Hantzsch Esters Analogues of Potential Biological Interest" Innovation 2009, Saswad, 5<sup>th</sup>-6<sup>th</sup> Jan. 2010.
25. Visible and Differential Spectrophotometric Methods for Estimation of Nelfinavir Mesylate in Bulk and Pharmaceutical Formulation. 2<sup>nd</sup> National Symposium on Frontiers in Drug Discovery & Process Research Bharati Vidyapeeth College of Pharmacy, Kolhapur, 6<sup>th</sup>- 7<sup>th</sup> March 12, 2010.
26. Avishkar – Zonal Level Competition, Nagar
27. Avishkar – Zonal Level Competition, Nagar
28. IPC Manipal
29. Synthesis, molecular docking and cardioprotective activity of 2-methylthio-1, 4-dihydropyrimidines. **Awarded second prize in VLife Best Research Publication Award**, May 2011.
30. Avishkar 2011
31. Innovation 2012.
32. Computer Aided Design and Synthesis of Calcium Channel Blocking Octahydroquinazolinone Derivatives as Cardio Protective Agents. **Awarded first prize in VLife Best Research Publication Award**, June 2013.

### *Awards and Recognitions*


- ✚ Noteworthy Scientific Committee Member, at the International Conference on Advances in Material Science 2020 organized by Technology Research and Innovation Centre, India and hosted by Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar, India, held on 3<sup>rd</sup> October 2020.
- ✚ An international level **Distinguished Professor Award** 5<sup>th</sup> September 2020.
- ✚ An international level **Renato Dulbecco Memorial Award** during 3<sup>rd</sup> World Cancer Congress – 2019, Mumbai.
- ✚ A national level **Best Researcher Award** under 8<sup>th</sup> Science & Technology Awards-2019, Bangaluru.
- ✚ A national level **Dr. APJ Abdul Kalam Award** for Scientific Excellence – 2018, Chennai.
- ✚ **Best Teacher Award** 2017-18 of Savitribai Phule Pune University, Pune.
- ✚ M. Pharm. thesis of Ms Hitakshi Shashikant Makasare entitled "*Insilico* Design , Synthesis and Biological Evaluation of Dipeptioyl Peptidse- Inhibitors as Antidiabetic Agents" was shortlisted for National Level Innovative Best Thesis Awards – 2019 (PharmInnova Competition 2018-19) under the guidance of Prof. Dr. R. L. Sawant.
- ✚ M. Pharm. thesis of Mr. Rushikesh Shripad Deshpande entitled "*Insilico* Cyclinn-O1 inhibitionto develop coumarin analogues against Lung Cancer" was shortlisted for National Level Innovative Best Thesis Awards – 2017

(PharmInnova Competition 2016-17) under the guidance of Prof. Dr. R. L. Sawant.

- + M. Pharm. thesis of Mr. Pawa Karan Kishor entitled “*Insilico* Design, Synthesis and Biological Evaluation of Topoisomerase I inhibitors as Anticancer and Antimicrobial agents was shortlisted for National Level Innovative Best Thesis Awards – 2016 (PharmInnova Competition 2015-16) under the guidance of **Prof. Dr. R. L. Sawant**.
- + M. Pharm. thesis of Mr. Hardas Dnyaneshwar Bhaguji entitled “Design and synthesis of novel dihydrofolate reductase inhibitors as potential anti-microbial and anti-cancer agents” was shortlisted for National Level Innovative Best Thesis Awards – 2015 (PharmInnova Competition 2014-15) under the guidance of **Prof. Dr. R. L. Sawant**.
- + M. Pharm. thesis of Ms. Ramdin Supriya Sudhakar entitled “Design and microwave assisted synthesis of novel 5HT<sub>2A</sub> receptor antagonists as antipsychotic agents” was shortlisted for National Level Innovative Best Thesis Awards – 2013 (PharmInnova Competition 2012-13) under the guidance of **Prof. Dr. R. L. Sawant**.
- + **Awarded first prize in National VLife Best Research Publication Award**, June 2013 for the topic entitled “Computer Aided Design and Synthesis of Calcium Channel Blocking Octahydroquinazolinone Derivates as Cardioprotective Agents”.
- + **Awarded second prize in National VLife Best Research Publication Award**, May 2011 for the topic entitled “Synthesis, molecular docking and cardioprotective activity of 2-methylthio-1, 4-dihydropyrimidines”.

  
Dr. P.Y. Pawar  
Principal  
College of Pharmacy  
Vilad Ghat, Ahmednagar

**Prof. Dr. Ramesh Sawant** is presently working as a **Vice-Principal**; Professor and Head, Department of Pharmaceutical Chemistry and PG Studies at Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar, Maharashtra. He received his Bachelor Degree in Pharmacy from Government College of Pharmacy, Karad, qualified **GATE-1994** and subsequently earned M. Pharm. in Pharmaceutical Chemistry from University of Pune, Pune and Ph.D. in Pharmacy from Shivaji University, Kolhapur. He worked as Member of Board of Studies (Pharmaceutical Chemistry), syllabus revision committee and Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune. He is currently working as a member of Board of Studies in Pharmaceutical Chemistry under the faculty of science and technology. Dr. Sawant has proven administrative skills as a Vice-Principal; Head of the Department; Coordinator, Internal Quality Assurance Cell; Coordinator, NAAC Steering Committee; Student Development Officer; Member, College Development Committee; Academic and Research Coordinator and Chairman, Research and Patent Cell. He is working as an Inspector on behalf of Pharmacy Council of India. Dr. Sawant has **25 years** of rich experience. **He has started his career as Jr. Officer, R & D in Pharmaceutical industry.** He has taken every opportunity to enhance his experiences in teaching and research. At present **93** research publications are to his credit with good cumulative impact factor along with **05** patents and **02** books. He is also a reviewer for various peer reviewed national and international scientific Journals. Professor Sawant is recognized guide for M. Pharm. and Ph.D. scholars. He has guided **84** M. Pharm. students and **07** scholars are pursuing their Ph.D. under his guidance. Dr. Sawant has handled research projects worth more than **a crore rupees** funded by various agencies like ICMR, New Delhi, AICTE, New Delhi and Savitribai Phule Pune University, Pune. He is working as an evaluator for project proposals under ASPIRE scheme of SPPU, Pune. He can be seen almost every day working with students or independently as he explores new areas for study. He has been valuable resource to industry and academia in the area of Instrumental Methods of Analysis, Medicinal Chemistry and Drug Design. As outcome of all he is recipient of **Best Teacher Award-2018** from Savitribai Phule Pune University, Pune, a **national level Dr. APJ Abdul Kalam Award** for Scientific Excellence- 2018, a **national level Best Researcher Award** under 8<sup>th</sup> Science & Technology Awards-2019, an **international level Renato Dulbecco Memorial Award** during 3<sup>rd</sup> World Cancer Congress – 2019 and recently An international level **Distinguished Professor Award** 5<sup>th</sup> September 2020. He works with an aim to make Pharmacy profession number one and Pharmaceutical Chemistry at the top of all.

  
Dr. R.Y. Pawar  
Principal  
College of Pharmacy  
Vilad Ghat, Ahmednagar