

CURRICULUM VITÆ

Appasaheb B. Avhale

MSc. PhD PDF

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Flat No-406, Wing -C, Tulsidham,

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Objective

Aim to work with dedication and determination, I seek a challenging and responsible position in a premier institute which offers great career opportunities and enable me to utilize my potentials so that I am able to contribute towards the benefit of organization and self-development.

Education

Doctor of Philosophy (Synthetic Organic Chemistry)

March 2008.

University of Pune (India) and Karl-Franzen University of Graz (Austria)

Advisor: Dr. M. N. Jachak (India); Dr. Wolfgang Stadlbauer (Austria)

Thesis title: Study of Friedlander Reaction on 5-Aminopyrazole-4-carbaldehyde with Reactive Methylene Compounds: Synthesis of Pyrazolo-annulated Heterocycles and Quinolines with Linkers.

Master of Science in Analytical Chemistry

July-1998-June 2000.

University of Pune

Bachelor of Science in Chemistry

June-1995-April 1998

University of Pune

Industrial experience

Digichem Industries (Dyes and Pigment, sister concern of Vijay Chemical Industries)

Ambernath, Thane, India.

Assistant Manager

October 2018 to till date

1. Working on Intermediates for pigment as PY185, PY 139, PY 138 PO 64 etc., dyes (Rhodamines, SY33 and new development projects) and pigment (PY 62, PO 64, PY 151, PY 155 ..etc.) projects.

2. Leading a team of 10 chemist in R and D, 4 QC chemist in Quality control and 4 chemists in application Lab.
3. Responsible for the Project Management Cycle - Route selection, Costing, Raw Material Sourcing, LNB review etc.

Senior Scientist,
April 2017 to September 2018

Sycon Polymer India Pvt Ltd. (Sister concern of Digichem Industries)

Ambernath, Thane, India.

Senior Research Scientist,
April 2015 to March 2017

Indian Institute of Technology (IIT), Powai, Mumbai, India.

Project Research Scientist, (Post Doc)
March 2014 to March 2015

Evotec (I) Pvt. Ltd. (CRO), Thane, Mumbai, India.

Senior Research Scientist,
May 2010 – October 2013

1. Leading a team of five chemists working on the synthesis of molecules for the Drug Discovery programs
2. Execution of Multistep organic syntheses involving delivery of milligram to gram to kilogram quantities of molecules
3. Responsible for the Project Management Cycle - Route selection, Costing, Raw Material Sourcing, LNB review etc.
4. Directly involved in communication with client (mails, eRoom, hare point, tracker update, participate in web-ex).

Evotec (I) Pvt. Ltd. (formerly RSIL) (CRO), Thane, Mumbai, India

Research Associate,
July 2008 – April 2010

1. Managed the day to day activities of a team of two to three synthetic organic chemists involved in timely delivery of required quantities of molecules to Client.
2. Process optimization and scale up of various developmental stage molecules for client

Fellowships

UGC Research fellow under Major Research Project From May 2004 to Sept. 2005
Austrian Academic Exchange Service (Oead) Scholarship, Austria, From Oct. 2005 to Sept. 2006.

Experimental skills

1. Multi step Synthesis of complex Organic molecules and development of new synthetic methodologies.
2. Efficiency in handling hygroscopic and air sensitive reagents and reactions.
3. Highly convergent with experimental techniques such as thin layer and column chromatography, crystallization, vacuum distillation solvent extractions.
4. Isolation, purification and characterization of Organic molecules using spectral techniques like ^1H NMR, ^{13}C NMR, Mass, IR, UV - Visible, Fluorescence, etc.
5. Expert in micro scale and large-scale reactions.
6. Skilled in literature survey, paper writing and Internet resources.
7. Good hand in Chemistry drawing software (Chem sketch, Chem draw, ISIS draw) windows XP and MS Office modules.

Publications

1. Continuous-Flow Synthesis of Regioregular Poly(3-Hexylthiophene): Ultrafast Polymerization with High Throughput and Low Polydispersity Index

Anshu Kumar, Jafar Hasan, Ashok Majji, Appasaheb Avhale, Sreelekha Gopinathan, Pritesh Sharma, Dattatray Tarange, Rishab Bajpai, Anil Kumar. *Journal of Flow Chemistry*, Vol. 4, Issue 4, 206-210 (2014)

2. Syntheses and Fluorescent Properties of 2-Amino Substituted 6,7-Dimethoxy-4-

(trifluoromethyl)-1-quinolines

W. Stadlbauer, A. B. Avhale, N. S. Badgujar, G. Uray, *J. Heterocyclic Chem.*, 46, 415-420, (2009).

3. 4-Cyano-6,7-dimethoxy-carbostyrils With Solvent and pH Independent High Fluorescence Quantum Yields and Emission Maxima

A. B. Ahvale, H. Prokopcová, J. Šefcovicová, W. Steinschifter, A. E. Täubl, G. Uray and W. Stadlbauer, *Eur. J. Org. Chem.* **2008**, 563-571

4. Synthesis of Pyrazolo[3,4-b]pyridines, Ammonium Acetate as Green Reagent in MCRs.

Madhukar N. Jachak*, Appasaheb. B. Avhale, Bhausaheb K. Ghotekar, Dhananjay B. Kendre and Raghunath B. Toche, *J. Heterocyclic Chem.* 45 (4), 1221-1224, (2008).

5. A Novel Synthesis of Benzo[h]quinolines and study of their Fluorescence Properties.

M. N. Jachak*, D. B. Kendre, A. B. Avhale R. B. Toche and R. W. Sabnis, *J. Heterocyclic Chem.*, 44, 1525, (2007).

6. Synthesis of Pyrazolo-Annulated Heterocyclic Ring Compounds Such As Pyrazolo[3,4-*b*]pyridines and Pyrazolo[4',3':5,6]pyrido[2,3-*d*]pyrimidines.

Madhukar N. Jachak*, Appasaheb B. Avhale, Raghunath B. Toche and Ram W. Sabnis.

J. Heterocyclic Chem., 44, 343, (2007)

7. Synthesis and evaluation of insect repellent activity of 4-amino-5-(4-bromobenzoyl)-3-ethyl-2-(1H)-pyrimidone on setophilus oryzae (Coleo curculeonidae)

R. B. Toche*, V. J. Medhane, A. Desai, A. B. Avhale, D. B. Kendre, M. N. Jachak,

J. Indian Chem. Soc., 43, 1039, (2006)

8. A Convenient Route for the Synthesis of Pyrazolo[3,4-*d*]pyrimidine, Pyrazolo[3,4-*b*] [1,6]naphthyridine and Pyrazolo[3,4-*b*]quinoline Derivatives

Madhukar N. Jachak*, Appasaheb B. Avhale, Raghunath B. Toche and Vijay J. Medhane

J. Heterocyclic Chem., 43, 1169, (2006)

9. Synthesis of Novel Benzochromene, benzoquinoline benzochrominopyrimidine and pyrimidobenzoquinoline derivatives.

M. N. Jachak*, D. B. Kendre, A. B. Avhale, R. B. Toche and V.J. Medhane

OPPI, 38(3), 313-323, (2006)

10. Friedlander Condensation of 5-aminopyrazolecarbaldehydes with reactive α -methylene ketones: Synthesis of Pyrazolo[3,4-*b*]pyridines.

Madhukar N. Jachak*, Appasaheb B. Avhale Raghunath B. Toche, Chanda. D. Tantak, Wolfgang Stadlbauer and Claudia reidlinger. *J. Heterocyclic Chem.*, 42, 3313, (2005)

11. Formation of Oxiranes During The Preparation of Aroylacetonitriles

R. B. Toche*, M. N. Jachak, N. S. Badgujar, A. B. Avhale and D. B. Kendre

OPPI, 37, 405 (2005).

12. Synthesis and Fluorescent properties of 2-Amino substituted 6,7-dimethoxy-4-trifluoromethyl-quinolines.

W. Stadlbauer*, Appasaheb. B. Avhale, Naresh S. Badgujar, G. Uray,

in *Proceedings of ECSOC-10, The Tenth International Electronic Conference on Synthetic Organic Chemistry*, <http://www.usc.es/congresos/ecsoc/10/ECSOC10.htm>, November 1-30, 2006; J. A. Seijas, M. P. Vázquez Tato (Eds). CD-ROM, edition ISBN 3-906980-18-9, Published in 2006 by MDPI, Basel, Switzerland

National / International Conference/ Seminar attended:

1. 2nd International conference in Heterocyclic Chemistry, Jaipur, December 16-19, 2006 (Work Presentation, Poster)

2. XXII European Colloquium on Heterocyclic Chemistry, September 2006, Bari, Italy. (Europe)

(Work presentation, Oral)

3. 92nd Session of Indian Science Congress Association, *Ahmedabad*, January 3-7, 2005 (Work Presentation, Poster)

4. 91st Session of Indian Science Congress Association, *Chandigarh*, January 3-7, 2004

(Work Presentation, Poster)

5. Symposium on “Intellectual Property Management and Technology Transfer” *Nashik*, October 6, 2002.

6. National Symposium on “New Trends in Synthetic Organics Chemistry” *Nashik*, July 8,9 2002.

(Poster work Presentation)

7. Frontiers in “Organo-Analytical Chemistry” K.T.H.M. College, Nashik, India February 1999.

Personal Information:

Gender: Male

Date of Birth: August 29, 1977

E-mail: appasaheb.avhale@gmail.com

Nationality: Indian

Marital Status: Married

Languages Known: English, Hindi and Marathi

Mobile: 8097164770; 7385622858

References:

1 Dr. R. B. Toche

Reader in Chemistry

Department of Chemistry,

K.T.H.M. College,

Nashik - 422 002. India

E-mail: raghunath_toche@rediffmail.com

2 Prof. Anil Kumar

Indian Institute of Technology,

Powai, Mumbai-400076.

E-mail: anilkumar@iitb.ac.in

3 Prof. Wolfgang Stadlbauer

Professor of Organic Chemistry

Department of Organic and Bioorganic Chemistry,

Karl-Franzen University of Graz, Austria

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