


Dr. Abhijit Sudhakar Papalkar, M.Sc. Ph.D.

Present position

- Assistant professor

Contact Details

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Work Experience

- Teaching: 9.9 years
- Research/Industrial: __12__ years

Personal Profile

On completion of graduation with distinction and Postgraduate with first class I joined Dai-Ichi Karkaria Pune as a Research Chemist. After this small stint I joined Ph.D. program in university of Pune and completed Ph.D. successfully in the field of synthetic organic chemistry. Then I went on to join Aurigene Discovery Technologies Pvt Ltd. Bangalore, a Pharma company as Associate Scientist and worked on Diabetes and Cancer therapeutic areas. Later opted for postdoctoral studies in Louise Pasteur University, Strasbourg France and perused research on diabetes. Back in India later I joined GVK Bio Pvt Ltd. Hyderabad as a Scientist and worked in the field of custom research synthesis. Later I joined Jubilant Biosys Pvt. Ltd. Bangalore as a Senior Scientist and worked on Alzheimer's disease and successfully developed Drug Candidate. Moving further I joined Stellence Pharmascience and worked as a R & D manager and worked on process development for various API. After vast exposure of pharmaceutical industry I joined Fergusson College (Autonomous) Pune as a Assistant Professor and continuing teaching to Post graduate students .

Course(s) Taught

- 1) Organic Reaction Mechanism
- 2) Stereochemistry
- 3) Medicinal Chemistry and Heterocyclic chemistry
- 4) Advanced Synthetic Organic Chemistry
- 5) Biogenesis and Chiron approach and Carbohydrate chemistry

Field of Specialization/Areas of Interests

- Synthetic organic chemistry

Education

- **Ph.D.** – (Organic Chemistry): from 1998 to 2003
Title of the Thesis: Phosphoranes in synthesis of naturally occurring esters, amides and lactones.
Name of University / Institution: University of Pune
Year of Award : 2004
- **Master of Science/Arts- (subject name):** 1996
University/College : University of Pune
- **Bachelor of Science- (subject name):** 1994
University: University of Pune

Fellowship/Awards/ Certifications/Achievements/Recognitions

1. CNRS (Centre National de la Recherche Scientifique) Fellowship of France Government
2. Balkrishna Rasne award for standing First in Chemistry in College in B.Sc.
3. Completed LLB degree course.
4. Post graduate diploma in IPR

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
• Examination committee		Member of BoS
• Timetable committee		
• Infrastructure committee		
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Employment History

- 1) **Organization** : Fergusson College (Autonomous) Pune-4
Role : Assistant professor
Duration : Jan 2013- till date

Responsibilities	<ul style="list-style-type: none">• Teaching Post graduate courses in Organic Chemistry• Sharing responsibilities in various college committees
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- 2) **Organization** : Validus Research Laboratory
Role : Self employed
Duration : Jan 2011- April 2012

Responsibilities	<ul style="list-style-type: none">• Synthesis of drug impurities and metabolites as per various pharmacopeia
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- 3) **Organization** : Stelligence Pharmascience Pvt. Ltd. Bangalore
Role : R & D manager
Duration : May 2010-Nov 2010

Responsibilities	<ul style="list-style-type: none">• . Handling of in house and Custom Research Synthesis projects.• Mentoring trainees
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- 4) **Organization** : Jubilant Biosys Pvt Ltd. Bangalore
Role : Senior Scientist
Duration : September 2007- May 2010

Responsibilities	<ul style="list-style-type: none">• Development of New Chemical Entity (NCE) for target for diabetes.• Reporting clients in abroad.• Mentoring trainees
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- 5) **Organization** : GVK Bio Sci pvt ltd
Role : Scientist
Duration : November 2006-Aug 2007

Responsibilities	<ul style="list-style-type: none">• Handling of Custom Research Synthesis projects.• Mentoring trainees
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- 6) **Organization:** Post-doctoral research, France Strasbourg (Faculté de la Pharmacie UMR 7514-74, route du Rhin-67401 Illkirch Cedex- France

Role : Post-doctoral Fellow
Duration : Nov 2005 to Oct 2006

Responsibilities	<ul style="list-style-type: none"> • .Isolation of antidiabetic compounds form plants from plants of Senegal, Africa • Training students
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7) Organization : Aurigene Discovery Technology Ltd., Medicinal Chemistry Division (Dr. Reddy's Research Lab.) Bangalore- 560010

Role : Associate Scientist

Duration : Feb 2004 to Sept. 2005

Responsibilities	<ul style="list-style-type: none"> • .Development of New Chemical Entity (NCE) for target for diabetes. • Mentoring group of trainees .
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Research Projects

Title of the Project	Name of Funding Agency	Amount (Rs)	Duration (Year) (From To)	Type (Minor/Major)	Outcome
Protocol for Synthesis of Toddasiation	College for Excellence funds	20000	6 months	Minor	Developed few steps towards synthesis of the compound

Research Publications in National and International Journals

- 1) 1. "Synthesis of naturally occurring cinnamyl cinnamates" Raghao S. Mali and **Abhijit S. Papalkar**, *J. Chem. Res.*(s) 433, **2001**
- 2) "Useful synthesis of aryl cinnamates: Synthesis of difengpin" Raghao S. Mali and **Abhijit S. Papalkar**, *J. Chem. Res.*(M) 1003, **2003**

Participation in Conferences/Seminars/Symposia/Workshop:

1. Poster presentation in National Conference on “ Advances in Chemical Science with Special reference to molecular spectroscopy, Material Science and Organic Electronics” NCACS held at Fergusson College in 2014.
2. Two day workshop on IPR organized at Fergusson College (Autonomous) also acted as resource person.
3. Seminar on Contribution of Fergusson College in various fields with reference to College Magazine contents.
4. Participated as a panelist in the orientation program of IMDR for first year MBA students.
5. Participated in one day faculty development workshop on “ Interrelationship between Pedagogy ,Assessment and learning outcomes” by IQAC Fergusson college (Autonomous)

Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1	Organized and acted as source person on two day workshop on IPR on 4th and 5 th of February 2020.	Fergusson college	Resource person	4th and 5 th of February 2020.
2	One day online workshop on “ Professional Communication”	Fergusson college	Organizer	2 February 2022

Additional skills/Activities

- 1) Written scientific articles in Marathi periodical named Srushtidnyan (ISSN No. 2456-2114) to popularize science in students
- 2) Articles in newspapers on general subjects and in college magazine.

Course Content Developed (e-content)

Involved in designing Post graduate courses in Organic Chemistry