

**BIO-DATA (Long-Format)**  
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**Blank Performa can be downloaded from the University website**

1. **Name** : **Dr. Rajiv Mall**  
 2. **Designation** : **Assistant Professor**  
 3. **Department** : **BASIC AND APPLIED SCIENCE**  
 4. **Date of Birth** : **MARCH 17<sup>th</sup>, 1987**  
 5. **Address for** : **Akalpur Road Phillaur, Distt-Jalandhar**



**Correspondence**

**Mobile** : +919780622150

**E-mail** : rajivmall@pbi.ac.in

- 6 **Areas of Specialisation** : **Organic Chemistry**

7. **Academic Qualifications :**

Sr. no.	Degree Held	Year	Board/Univ./ Inst.	% of marks	Div./ Rank	Subjects Taken
1	UGC-NET Qualified	2012	CSIR-UGC		63/898 Rank	Chemical Sciences
2	Ph.D.	2014	Punjabi University, Patiala			Synthetic Organic and Medicinal Chemistry
3	M.Sc.	2009	Punjabi University, Patiala	69.5	First	Organic Chemistry
4	B.Sc.	2007	Panjab University, Chandigarh	62.7	First	Chemistry, Botany, Zoology, Eng, Pbi

8. **Details of Experience:**

S. No.	Name of the Inst./Employer	Position Held	Duration	Major Job Responsibilities and Nature of Experience
1.	Punjabi University, Patiala	Assistant Professor	4 <sup>th</sup> March, 2014 – Till date	Teaching and Academic

9. **Published Work (Please specify numbers only):**

- a. Research Papers  
 i) International = 06 + 04 (Communicated)  
 b. Oral Presentations at Conference/Seminar Presentation = 02  
 c. Session Chair at Conference/Seminar Presentation = 01  
 d. Conference/Seminar Presentation = 03 (International) and 12 (National)  
 e. Book Chapter : 01 (International)  
 f. Patents :  
 i) Original : 02 (filed)

10. **RESEARCH GUIDANCE:**

**M.Phil. Guided 02 under Guidance 02**

S. No.	Name of the Student	Title of Thesis	Year of Completion
1.	Jiwanjot Kaur	Novel and Selective Peroxisome Proliferator Activated Receptor $\gamma$ Modulators: Design Synthesis and Docking Studies	2016
2.	Gurmeet Singh	Design Synthesis and Docking Studies of Novel Peroxisome Proliferator Activated Receptor $\alpha$ and $\gamma$ Partial Agonists	2016

11. **List of Papers/Courses taught at P.G. and U.G. Level**

S. No.	Paper	Class
1.	Applied Chemistry Theory and Practical	B.Tech.
2.	Heterocyclic Chemistry	M.Sc. Chemistry
3.	Photochemistry	M.phil. and Ph.D.
4.	Chemistry Theory and Practical	M.Sc. Hons. (FYIC) Botany

## 12. Technical Proficiency

Basic Computer Knowledge such as Microsoft office and Knowledge of Chemistry Softwares such as ChemSketch, Chemdraw, Sybyl, Knowledge of internet

## 13. RESEARCH PUBLICATIONS:

### LIST OF PATENT (Filed)

1. **Inventors:** Raman K. Verma, **Rajiv Mall** and Amanjot Singh, *Novel indole derivatives as anti-diabetic agents and method thereof*; **Application No. 201611030034, Country: India, (Published Sep. 2016).**

2. **Inventors:** Raman K. Verma, **Rajiv Mall** and Amanjot Singh, *Novel benzimidazole derivatives as anti-diabetic agents and method thereof*; **Application No. 201611030905, Country: India, (Published Sep. 2016).**

### RESEARCH PAPER PUBLISHED IN INTERNATIONAL JOURNALS

1. Amanjot Singh, Raman K Verma, Anurag Kuhad and **Rajiv Mall\***. Novel indole-2-carboxylic acid linked 3-phenyl-2-alkoxy propanoic acids: Synthesis, molecular docking and *in vivo* antidiabetic studies. *Med. Chem. Res.* **26** (2017), 745-759.

2. Raman K Verma, **Rajiv Mall**, Prithwish Ghosh and Vijay Kumar, Design and Synthesis of Benzimidazole Linked *meta*-Substituted Benzylidenes/ Benzyls as Biologically Significant New Chemical Entities, *Synth. Commun.* **43** (2013), 1882-1895.

3. Raman K Verma, **Rajiv Mall** and Amanjot Singh. Indolyl Linked *meta*-Substituted Benzylidene Based Novel PPAR Ligands: Synthetic and Docking Studies. *Med. Chem. Res.* **24** (2015), 1396-1407.

4. Amanjot Singh, Gagandeep Singh, Raman K. Verma and **Rajiv Mall\***. METHYL CHROMONYL LINKED BENZYLIDENES AS NOVEL PARTIAL PPAR $\gamma$  AGONISTS: SYNTHESIS, CHARACTERIZATION AND DOCKING STUDIES. *International Journal of Advanced Research* **4** (2016), 574-582.

5. Gagandeep Singh, Amanjot Singh, Raman K. Verma and **Rajiv Mall\***. SYNTHESIS, CHARACTERIZATION AND DOCKING STUDIES OF CHROMONYL LINKED *meta*-SUBSTITUTED BENZYLIDENES AS BIOLOGICALLY SIGNIFICANT PARTIAL PPAR $\gamma$  AGONISTS. *International Journal of Current Research* **8** (2016), 32506-32511.

6. Gagandeep Singh, Amanjot Singh, Varinder Singh, Raman K. Verma and **Rajiv Mall\*** NOVEL BENZIMIDAZOLE DERIVATIVES AS PARTIAL PPAR $\gamma$  AGONISTS: SYNTHESIS, CHARACTERIZATION AND DOCKING STUDIES *WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES* **5** (2016), 1080-1091.

### BOOK CHAPTER

1. Muthuraman A, Kaur P, Boparai PS, Kaur M, **Mall R**. Mitochondrial dysfunction: A key player in the pathogenesis of neurodegeneration associated neuropathic pain syndrome. V. Vijaya Padma Eds.

Mitochondrial Diseases and Therapy, SM Group Open Access eBooks Publishers, TX 75039, USA, 2015. (MDT-15-03). www.smgebooks.com.

### **SESSION CHAIR**

1. New Paradigm in Chemical Sciences: Synthetic and Analytical Perspective- 2017 (NPICS: SAP-2017) held at Department of Chemistry, Punjabi University, Patiala-147002 (February 09-10, 2017).

### **ORAL PRESENTATIONS AT NATIONAL CONFERENCES**

1. New Paradigm in Chemical Sciences: Synthetic and Analytical Perspective- 2017 (NPICS: SAP-2017) held at Department of Chemistry, Punjabi University, Patiala-147002 (February 09-10, 2017).

2. National seminar on "Responsible Research and Innovations in Science & Technology" (RRIST-2017) held at P.G. Department of Chemistry, Guru Nanak College, Budhlada, Distt. Mansa (March 18, 2017).

### **INTERNATIONAL CONFERENCES (PAPER PRESENTATION) (3)**

1. INTERNATIONAL CONFERENCE ON INNOVATIONS IN CHEMISTRY FOR SUSTAINABLE DEVELOPMENT (ICSD-2011) Organized by dept. of Chemistry, Panjab University Chandigarh on 01-03 December 2011.

2. CHEMICAL CONSTELLATION CHEMINAR-2012

Theme: Chemistry for sustainable Development and Innovations (An International Conference) Organized by dept. of Chemistry, Dr. B R Ambedkar National Institute of Technology Jalandhar.

3. UGC-UKIERI INTERNATIONAL SEMINAR "NANOTHERAPEUTICS & CRYSTAL ENGINEERING: CHALLENGES AND FUTURE PERSPECTIVES" Organized by Dept. of Pharmac. Sci. and Drug Research Chemistry, Punjabi University Patiala.

### **NATIONAL CONFERENCES (PAPER PRESENTATION) (12)**

1. National Symposium on Emerging Trends in Chemistry (NSETC-10) at Department of Chemistry, Punjabi University, Patiala-147002 (February 15-16, 2010).

2. National Seminar on Recent Advances in Chemistry and their Impact on Environment (NSRACE-11) at Department of Chemistry, Punjabi University, Patiala-147002 (February 15-16, 2011).

3. RACENT ADVANCES IN CHEMICAL AND ENVIRONMENT SCIENCES at Department of Chemistry, MULTANI MAL MODI COLLEGE, PATIALA-147002 (February 28-March 1, 2011).

4. Impact of Science and Technology on societal Development at SHAHEED UDHAM SINGH Group of institution, TANGARI, Maholi : Punjab (November 3-5, 2011).

5. National Seminar on Chemistry: An Inter Disciplinary Science (NSCIDS-2012) at Department of Chemistry, Punjabi University, Patiala-147002 (February 15-16, 2012).

6. RACENT ADVANCES IN CHEMICAL AND ENVIRONMENT SCIENCES at Department of Chemistry, MULTANI MAL MODI COLLEGE, PATIALA-147002 (March 03, 2012).

7. NEW FRONTIERS IN CHEMISTRY Department of Chemistry, Punjabi University, Patiala-147002 (February 15-16, 2013).

8. National seminar on New Paradigm in Chemical Sciences-2014 at Department of Chemistry, Punjabi University, Patiala-147002 (February 13, 2014).

9. National Seminar on Chemistry for a Better Tomorrow: Current Trends and Challenges March 08, 2014 held at Mata Gujri College, Sri Fatehgarh Sahib.

10. UGC SPONSORED NATIONAL SEMINAR EMERGING PARADIGMS IN PHARMACEUTICAL SCIENCES 26 MARCH, 2014 Organized by Dept. of Pharmac. Sci. and Drug Research Chemistry, Punjabi University Patiala.

11. NATIONAL CONFERENCE NFCS-01 NOV. 15, 2014 held at PG DEPARTMENT OF CHEMISTRY KHALSA COLLEGE PATIALA.

12. NEW PARADIGM IN CHEMICAL SCIENCES: SYNTHETIC AND ANALYTICAL PERSPECTIVES -2016 held at Department of Chemistry, Punjabi University, Patiala-147002 (February 04-05, 2016).

#### **WORKSHOP ATTENDED (1)**

1. Practical Aspects on the Importance of Patents in Research (PAIPR-2013) held on February 12, 2013 at Punjabi University Patiala.

#### **RESEARCH PAPER IN PUNJABI (1)**

1. *fvgo?;aBL T[kdk;h o'r a ftfrnkB d/ Be;a nze 46 2014 gpbhe/;aB fpT{o' gzikph :{Bhtof;Nh gfNnkbk.*

**Date: 23/04/2017**

  
**(Signature of the Teacher)**