

## CURRICULUM VITAE

### Contact Information

#### **Dr. Prince Firdoos Iqbal**

**Designation:** Assistant Professor  
**Subject:** Chemistry  
**Area of Specialization:** Organic Chemistry  
**College:** Govt. Degree College Hyderpora  
**E-mail:** pfiqbal@gmail.com  
**Phone:** 09797016099



### ACADEMIC BACKGROUND

- Ph. D. (Organic Chemistry) - Jamia Millia Islamia, New Delhi, 2008.
- **Topic of Ph. D. Thesis:** - Chemical investigation of new antiprotozoal agents.
- M. Sc. (Organic Chemistry) - Aligarh Muslim University, 2004, First Div. (83.03%)
- B.Sc. (Hons. Chemistry) - Aligarh Muslim University, 2002, First Div. (69.67%)

### ACHIEVEMENTS AND AWARDS

- Awarded Two Gold Medals
- Qualified CSIR-UGC NET, December 2004
- Qualified CSIR-UGC NET, June 2005
- Awarded Junior Research Fellowship (JRF)
- Awarded Senior Research Fellowship (SRF)

### COLLEGE ADMINISTRATIVE POSTS HELD

- Coordinator IGNOU SC-1248 w.e.f. Nov. 2018 to Jan. 2021

### ACADEMIC QUALIFICATIONS

Examination Passed	Board/University	Subjects	Year	Division
Higher Secondary	J&K Board	PCB	1998	Ist (72.6%)
Bachelor's Degree	AMU	B.Sc. (Hons) Chemistry	2002	Ist (69.69%)
Masters Degree	AMU	M.Sc. Chemistry	2004	Ist (83.03%)
Ph.D.	JMI	Medicinal Chemistry	2008	-
NET	CSIR-UGC	Chemistry	Dec-2004 June-2005	-

## SERVICE PARTICULARS

S.No.	DESIGNATION	PLACE OF POSTING (since appointment)	FROM MONTH/YEAR	TO MONTH/YEAR
01	Assistant Professor	ICSC Srinagar	24-03-2009	14-05-2010
02	Assistant Professor	GDC Women Anantnag	15-05-2010	05-04-2012
03	Assistant Professor	GDC Boys Pulwama	06-04-2012	29-01-2021
04	Assistant Professor	GDC Hyderpora Srinagar	29-01-2021	Till Date

## BOOKS PUBLISHED

- 1 *Practical Inorganic & Physical Chemistry* Dr. Prince F. Iqbal ISBN:9788195372621 Dilpreet Publishing House Ariana Publishers and Distributors, (2021), New Delhi-110018
- 2 *Antiamoebic Agents-Phytochemistry* Dr. Prince F. Iqbal ISBN:9786203861792 Lambert Academic Publishing str. A.Russo 15, Of. 61, Chisinau-2068, Republic of Moldova Europe, (2021)
- 3 *Experimental Organic Chemistry* Dr. Prince F. Iqbal ISBN:9789389236095 Dilpreet Publishing House Ariana Publishers and Distributors, (2020), New Delhi-110018
- 4 *Disconnection Approach in Organic Synthesis* Dr. Prince F. Iqbal ISBN:9789385497292 Dilpreet Publishing House Ariana Publishers and Distributors, (2016), New Delhi-110018
- 5 *New Approach to Organic Synthesis: Click Chemistry* Dr. Prince F. Iqbal, Mr. Mukhtar Ahmad, ISBN:9788186762998 Dilpreet Publishing House Ariana Publishers and Distributors, (2015), New Delhi-110018
- 6 *Sustainable Organic Synthesis: Progress and Impact* Dr. Prince F. Iqbal, Dr. Abid H. Banday ISBN:9769365497553 Dilpreet Publishing House Ariana Publishers and Distributors, (2017), New Delhi-110018
- 7 *Chemistry of Cosmetics and Perfumes* Dr. Waseem A. Wani, Dr. Prince F. Iqbal, Mr. Mohammad Nadeem Lone ISBN:9788183424790 Crescent Publishing Corporation, (2018), New Delhi-110002
- 8 *Nanoscience and Technology: Principals and Prospects* Syed Irtiqa Urfi, Dr. Abid H. Banday, Dr. Prince F. Iqbal ISBN:9789385497506 Dilpreet Publishing House Ariana Publishers and Distributors, (2017), New Delhi-110018

## PUBLICATIONS

1. Salman Ahmad Khan, Praveen Kumar, Rajkumar Joshi, Prince F. Iqbal, Kishwar Saleem. *Synthesis and In Vitro Antibacterial Activity of New Steroidal Thiosemicarbazone derivatives*. **European Journal of Medicinal Chemistry**. 43, 9, (2008), 2029-2034.

2. Humaira Parveen, **Prince Firdoos Iqbal**, Amir Azam. *Synthesis and characterization of a new series of Hydroxy Pyrazolines*. **Synthetic Communications** 38, 22, (2008), 3973-3983.
3. **Prince Firdoos Iqbal**, Humaira Parveen, Abdul Roouf Bhat, Faisal Hayat and Amir Azam. *Synthesis, Characterization, Antiamoebic activity and Toxicity of Noval Bisdioxazole Derivatives*. **European Journal of Medicinal Chemistry** 44, (2009), 4747-4751.
4. **Prince Firdoos Iqbal**, Abdul Roouf Bhat and Amir Azam. *Antiamoebic coumarins from the root bark of Adinacordifolia and their new thiosemicarbazone derivatives*. **European Journal of Medicinal Chemistry** 44, (2009), 2252-2259.
5. Mukhtar Ahmad Dar, Sarita Shrivastava, **Prince Firdoos Iqbal**, *Click chemistry and anticancer properties of 1,2,3-triazoles*. **World Journal of Pharmaceutical Research**. 4, 1, s(2015),1949-1975.
6. **Prince Firdoos Iqbal**, Humaira Parveen, Abdul Roouf Bha and Amir Azam. *In vitro susceptibility of Entamoeba histolytica to Fraxinus micrantha leaf extracts and its isolated constituents (triterpnes and coumarins)*. **World Journal of Pharmaceutical Research**. 4, 3, (2015), 1255-1269
7. Waseem A. Wani, Umairbaig, Shiekh Sheeraz, Rayees Ahmad Shiekh, **Prince Firdoos Iqbal**, Ehtisham Jameel, Akel Ahmad, Siti Hamidah Mohd Satapar, Md Mushtaque and Lee Ting *Recent Advances in iron complexes as Potential Anticancer Agents*. **New Journal of Chemistry**. 40, (2016), 1063
8. Mohd Shahijahan Dar, **Prince Firdoos Iqbal**, *Perpetuation of rice blast pathogen (Magnaporthe grisea) under temperate conditions of Kashmir, India*. **Annals of Plant Sciences** 6, 12, (2017), 1804-1806
9. M. Maqbool Bhat, **Prince Firdoos Iqbal**, Parvaiz Ah. Teli, *Tourism is the backbone of Jammu and Kashmir Economy: Hoax or Reality*. **International Journal of advance Research in Science and Engineering**. 7, 4, (2018), 2045-2062
10. **Prince Firdoos Iqbal**, Mushtaq Ahmad Malik, Waseem A. Wani, *Serendipity of cisplatin and the emergence of metallodrugs in cancer chemotherapy*. **World Journal of Pharmacy and Pharmaceutical Sciences**. 7, 4, (2018), 654-664
11. Afzal Husasain, Mohamed Fahad AlAjmi, **Prince F. Iqbal**, Waseem A. Wani, BOOK CHAPTER, *Metallo drug-driven Combination Chemotherapy in Cancer Treatment (CHAPTER NO. 5 page no. 95-110) in the book titled Combination Therapy Against Multidrug Resistance published by ELSEVIER (2020) ISBN: 978-0-12-820576-1*

#### ORIENTATION/REFRESHER COURSE/ Faculty Development Programmes attended

S.No	ORIENTATION/REFRESHER COURSE/FACULTY DEVELOPMENT COURSE	ORGANIZING AGENCY	THEME	FROM-TO
01	Orientation Course	UGC-HRDC ACADEMIC STAFF COLLEGE University Of Jammu	General	10-01-2013 08-02-2013
02	Refresher Course	UGC-HRDC ACADEMIC STAFF COLLEGE Jamia Millia Islamia	Chemistry	10-10-2014 01-11-2014
03	Refresher Course	UGC-HRDC ACADEMIC STAFF COLLEGE Jawaharlal Nehru University	Chemistry	02-01-2017 27-01-2017

04	One Week Faculty Development Programme	Dnyan Prabodhini Mandals Shree Mallikarjun & Shri Chetan Manju Desai College, Canacona	Institutional Benchmarking of Best Practices	08-06-2020 14-06-2020
05	One Week Faculty Development Programme	SEMT & A E Kalsekar College affiliated to University of Mumbai & Parul University, Gujarat	Research Methods and Analytical Techniques	17-06-2020 23-06-2020
06	One Week Faculty Development Programme	Teaching Learning Center Ramanujan College University of Delhi. MHRD-PMMMNMTT	Entrepreneurship, Incubation and Innovation	23-06-2020 29-06-2020
07	One Week Faculty Development Programme	Bheemanna Khandre Institute of Technology, Bhalki	Recent Innovations In Chemical Engineering (RICE)	29-06-2020 03-07-2020
08	Two Weeks Faculty Development Programme	Teaching Learning Center Ramanujan College University of Delhi. MHRD-PMMMNMTT	Advanced Concepts for Developing MOOCS	02-07-2020 17-07-2020
09	One Week Faculty Development Programme	Sabitribai Phule Pune University UGC-HRDC MHRD-PMMMNMTT	Earth and Environmental Responses During COVID-19	11-07-2020 17-07-2020
10	One Week Faculty Development Programme	Sabitribai Phule Pune University UGC-HRDC MHRD-PMMMNMTT	NANOMATERIALS Characterization Techniques and Results Analysis Methodology	27-07-2020 31-07-2020
11	Two Weeks Faculty Development Programme	Teaching Learning Center Ramanujan College University of Delhi. MHRD-PMMMNMTT	Managing Online Classes & Co-Creating MOOCS 3.0	25-07-2020 10-08-2020
12	One Week Faculty Development Programme	Guru Angad Dev Teaching Learning Center SGTB Khalsa College, University of Delhi MHRD-PMMMNMTT	Developing Multimedia Enriched Powerful Presentations	11-08-2020 16-08-2020
13	Refresher Course	UGC-HRDC ACADEMIC STAFF COLLEGE Doctor Harisingh Gour Vishwavidyalaya SAGAR University	Chemistry	17-08-2020 29-08-2020
14	One Week Faculty Development Programme	Teresian Teaching Learning Center and Department of Chemistry, ST. Teresa's College, Ernakulam	ICT Tools in Teaching Chemistry	02-09-2020 06-09-2020
15	One Week Faculty Development Programme	Rajasthan Technical University, Kota	Emerging Trends In Nano-Electronics (ETNE 2020)	21-09-2020 25-09-2020

16	Two Weeks Faculty Development Programme	Teaching Learning Center Ramanujan College University of Delhi. MHRD-PMMMNMTT	Research Methodology	01-10-2020 15-10-2020
17	Two Weeks Faculty Development Programme	Teaching Learning Center Ramanujan College University of Delhi. MHRD-PMMMNMTT	Blended Learning: Alternative Dimensions	12-01-2021 29-01-2021
18	Two Weeks Faculty Development Programme	Teaching Learning Center Ramanujan College University of Delhi. MHRD-PMMMNMTT	Advanced Research Methodology Tools and Techniques	30-01-2021 14-02-2021
19	Four Weeks Mentoring Programme Open Education for a Better World (OE4BW)	UNESCO North-West University, South Africa	Empowering Teachers for Developing Culturally Responsive Classroom	25-06-2021 21-07-2021
20	Two Weeks Faculty Development Programme	Teaching Learning Center Ramanujan College University of Delhi. MHRD-PMMMNMTT	Managing Online Classes & Co-Creating MOOCS 6.0	05-07-2021 19-07-2021

#### WORKSHOPS, SEMINARS, SYMPOSIA AND CONFERENCES ATTENDED

- Worked as *Nodal NSS Officer and Organizer for District Youth Parliament* held at Govt. Degree College Pulwama on 27-01-2019.
- Participated and presented a paper on Tourism is the backbone of Jammu and Kashmir Economy: Hoax or Reality in 1st **International conference** on recent developments in science, humanities and management-2018. Held on 17<sup>th</sup> -18<sup>th</sup> April 2018 at Amar Singh College, Cluster University Srinagar, Kashmir.
- Participated in a two days *Science Academies Lecture Workshop on Modern Trends in Chemistry and Chemistry Education* held on 19<sup>th</sup>-20<sup>th</sup> July 2017 at University of Kashmir Srinagar.
- Attended a two day national seminar on *Mathematics and Applications* held on March-2016 organized by the Department of Mathematics Govt. Degree College Pulwama.
- Attended a conference and presented a paper in *Natural Science Info Fest* held on Feb 28 – March 2, 2007 organized by Faculty of Natural Sciences, Jamia Millia Islamia, New Delhi and was **awarded first position** in Poster Presentation.
- Attended a workshop on “**Interdisciplinary Science Conference-2007 on Recent Trends in Research in Biological Science**” held on 7<sup>th</sup> December, 2007 organized by Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi.
- Attended a workshop on “**Chromatographic Techniques**” held on 10<sup>th</sup> September, 2007 at Department of Chemistry, Jamia Millia Islamia, New Delhi, Sponsored by Indian Society of Analytical Chemists (ISAS)- Delhi chapter.

- Participated in an International Webinar on Graphene- a 2 Dimensional Material for Electronics and Sensing Application organised by Glocal University, held on 27 May, 2020
- Participated in an international webinar on Emerging Challenges and Opportunities on Higher Education due to Covid-19 Pandemic, organised by Government Digvijay Autonomous PG College Rajnandgaon, Chhattisgarh, India held on 13<sup>th</sup> June 2020.
- Successfully completed the self- learning online course on understanding open educational resources offered by Common wealth of learning, Canada held on 22 June, 2020.
- Successfully attended the two day International webinar on emerging trends in chemistry and research (ETCER), organised by Wilson College in Association with University of Mumbai and Association of chemistry teachers held on 25th and 26th June 2020.
- Participated in 2 days international webinar entitled Environmental Crisis and Human Approach held on 17th and 18th of July 2020 by the Department of Zoology.
- Attendant an International webinar on Women in Science organised by the Department of Chemistry SRM Institute of Science and Technology, Rampuram Campus, Chennai- 89 in Association with Association of chemistry teachers ( ACT), Mumbai, on 28th July, 2020.
- Participated in two today online National webinar on Role of Basic Science and Biotechnology in Mitigating Covid-19 pandemic organised under star college scheme by DBT held on 29-30 July, 2020.
- Participated in the International web conference on recent advances In science (IWCRAS 2020) Held on 30th and 31st of July, 2020.
- Participated in the National level webinar on NAAC accreditation an overview Jointly organised by the Department of history and IQAC, Thiruvalluvar College Papanasam held on 5th August 2020.
- Participated in in the national level webinar on best practices in higher education jointly organised by the department of history and IQAC. Thiruvalluvar College Papanasam held on 6th August 2020.
- Participated in the International Webinar on Global Reflections on contemporary cities and future of urban life organised by the department of Geography In Association with IQAC, Mata Gujri College (Autonomous) held on 7th August, 2020.
- Participated in one day national Webinar entitled Unraveling the National Education Policy 2020, organised by Guru Angad Dev teaching learning centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on teachers ( PMMMMNMTT) of MHRD on 9th August 2020.
- Participated in one day National webinar on Green Approaches in Drug Discovery organised by Department of Chemistry, SWA. Sawarkar Mahavidyalaya, Beed on 13th August 2020.
- Participated in the International webinar on Women in Science and their role in Sculpting Modern Agriculture organised by Bihar Agriculture University, Sabour, Bhagalpur held on 26th August 2020.
- Participated in one day National webinar on recent advances in chemical Sciences, organized by department of Chemistry and IQAC Krishna Mahavidyalaya, Rethare Bk. Held on 29th August 2020.

- Participated in the online webinar making the most the new normal organised by the department of English and the IQAC on 31 August 2020.
- Participated in in one day National webinar entitled Technology driven higher education in India: issues and challenges jointly organised by Guru Angad Dev teaching learning centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malviya National Mission on teachers and teaching (PMMMNMTT) of MHRD and Siri Jagadguru Chandrasekhara Bhartiya Memorial College, Sringeri, Karnataka on 2nd November 2020.
- Participated in the national webinar on carving of big dreams using basic principles and small ideas MRS.Kesharbai Kshirsagar Alias Kuku Arts ,Science and Commerce College Beed held on 3rd September 2020.
- Participated in one day National webinar entitled higher education reforms in national education policy 2020 jointly organised by Guru Angad Dev teaching learning centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malviya National Mission on teachers and teaching (PMMMNMTT) of MHRD and Siri Jagadguru Chandrasekhara Bhartiya Memorial College, Sringeri, Karnataka on 4th September 2020.
- Participate in one day National webinar and title promotional avenues for teachers in higher education: CAS regulations 2018 teaching learning centre SGTB Khalsa College University of Delhi under the Pandit Madan Mohan Malviya National Mission on teachers and teaching (PMMMNMTT) of MHRD on 5th September 2020.
- Participated in an International webinar entitled translational research: opportunities and challenges organised by Saint Joseph College (Autonomous), Bangalore held on 6th September 2020.
- Attended the first panel discussion of discussion forum for online teaching (DFOT) entitled online elevations and ways of evaluating online classes held on 6th September 2020.
- Participating in one day National webinar entitled E learning, E- content and copyright issues, jointly organised by Guru Angad Dev teaching learning centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malviya National Mission on teachers and teaching (PMMMNMTT) of MHRD and S.S.T College of Arts and Commerce (affiliated to University of Mumbai, Mumbai) on 8th September 2020.
- Acted as one of the keynote speaker in national webinar on Sustainability of agriculture sector in present and post pandemic situation organized by School of Agricultural Sciences CPU Kota held on 11th September 2020.
- Participated in the national webinar on new education policy 2020: challenges and opportunities organised by Sri Guru Gobind Singh College Sector 26 Chandigarh held on 12th September 2020.
- Participated in one day national webinar on Recent Research and Opportunities in Chemistry organised by Department of Chemistry VVMs. S.G Patil Arts, Science and Commerce College, Sakri, Dist: Dhule, Maharashtra (India) held on 13<sup>th</sup> September 2020.

- Participated in the one day International webinar on Chemistry the Challenges and Opportunities organised by Shahid Matagini Hazra Government College for Women, Bengal held on 13th September 2020.
- Participated in National webinar on National Education Policy: Features and Prospects in Higher Education organised by the department of Chemistry Dr Hari Singh Gour University in collaboration with Bhartiya Shikshan Mandal, Mahakoshal Praant held on 14th September 2020.
- Participated in in National level webinar on "use of ICT in Teaching and Learning Practical of Chemistry, Issues and Challenges organised by department of chemistry and (IQAC), L.V.H. College Panchvati Nashik held on 15th September 2020.
- Participated in 4 day National webinar entitled National Education Policy 2020 Review and Research organised by National Association of physical education and sports in collaboration with Shri Hanuman Vyayam Prasarak Mandal Amravati Maharashtra held from 15th-18th September 2020.
- Participated in one day National Webinar on New Education Policy (NEP) organised by the Department of Commerce and Management, Adv. Sitaram (Babanbhau) Andhramiji Baheti Arts, Commerce and Science College Jalgaon held on 18th September 2020.
- Attended the first panel discussion of Discussion Forum for Online Teaching (DFOT) entitled Online Teaching: The role of administration held on 20th September 2020.
- Participated in the International webinar on Writing Research Proposal: Tips for Students and Researchers organised by the Postgraduate Department of Chemistry in Association with internal Quality Assurance cell St Stephen College Pathana Puram held on 25th September 2020 .
- Successfully completed two day National level online workshop on insightful rudiments of originating Google forms and generating certificates- A Horde of approaches Adaptable for online academic Motives organised by the department of Humanities and sciences Balaji Institute of Technology and Science Narsampet, Warangal rural, Telangana, India held on 25th and 26th September 2020.
- Participated in two day National workshop on National Education Policy 2020-Implementation plan organised by Swami Ram Anand Teerth Marathwada, University Nanded held on 26th and 27th September 2020.
- Participated in one day National level online workshop on "online assessment tools" organized by TUTEA AND CTEFKK, (Tumkur University Teacher Educators Association Karnataka and Council for Teachers Education Foundation Karnataka) held on 27th September 2020.
- Participated in one day National workshop on National Education Policy 2020 implementation plan organised by Swami Ramanand Marathwada University Nanded held on 1st October 2020.
- Participated in two day International webinar on Materials in Medicine organized by department of Chemistry, Biochemistry and IQAC, MES Asmabi college, P. Vemballur, Thrissur, Kerala, India held on 3rd and 5th October 2020.
- Participated in the International webinar on Plastics from Carbon Dioxide and other Renewable Resources, organised by the Postgraduate and Research department of Chemistry, Sree



Narayana College, Kannur in Association with IQAC, Sree Narayana college, Kannur held on 10th October 2020.

- Attended "Tezmoz and Moodle" session of Discussion Forum for Online Teaching (DFOT) held on 11th October 2020.
- Participated in the one-day international webinar on "Chemistry- the Challenges and Opportunities" organized by the Department of Chemistry, Shahid Matangini Hazra Government College for Women, West Bengal held on 13th October, 2020.
- Participated in two-day webinar entitled Characterization Techniques for Nanoparticles and Data Analysis organised by Rayat-Bahra University held on 13th -14th October 2020.
- Participated in National webinar on Recent Trends in Materials Chemistry organized by the department of Chemistry, RGUKT, R K Valley held on 15th-17<sup>th</sup> October 2020.

### Academic/Research Interest

Synthetic organic chemistry, Natural product chemistry, Heterocyclic chemistry and Organometallic chemistry.

1. Isolation and characterization of naturally occurring compounds from Indian Medicinal Plants.
  2. Synthesis of some biologically active heterocyclic compounds.
  3. In vitro quantitative estimation of synthesized and isolated compounds against *Entamoeba histolytica*.
  4. The toxicity studies of synthesized and isolated compounds.
- Experience in writing scientific manuscripts.
  - Extensively trained in multi step organic synthesis utilising modern structural elucidation techniques.
  - Operational experience of modern laboratory instruments: MS, NMR, IR, HPLC and GC.
  - Demonstrated success in technical proficiency, scientific creativity, collaboration with others and independent problem-solving skills.
  - Training graduate and undergraduate students with their daily research problems.
  - Purchasing and Chemical inventory management in the laboratory.

### Technical Expertise

- Handling of instruments: U/V Visible, FTIR, HPLC, GC.
- Interpretation of spectra: IR, UV, <sup>1</sup>HNMR, <sup>13</sup>CNMR, Mass, CHN.

  
Dr. P. Firdoos Iqbal