

Curriculum Vitae

Name: Dr. Pratik Kumar Jagtap

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Date of Birth: 21.04.1989



Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	Percentage	Class
Ph.D.	Analytical Chemistry	Department of Chemistry	National Institute of Technology Raipur	2018	-	-
M.Sc.	Chemistry	School of Chemical Sciences	Devi Ahilya Vishwavidyalaya Indore MP	2012	74.12	<i>First with Distinction</i>
B.Sc.	Chemistry	Bangalore University Bangalore	Bangalore University Bangalore	2010	82.13	<i>First with Distinction</i>

Experience

Sr. No.	Organization	Post	From To	No. of Years
1	Department of Chemistry National Institute of Technology Raipur	Lecturer Contract	12.07.2012 to 31.05.2013	1
2	Department of Chemistry Kalinga University	Assistant Professor	17.07.2018 to 31.08.2021	3

List of Courses Taught/Teaching at UG level

1. Engineering Chemistry
2. Environment and Ecology
3. Organic Chemistry B.SC. II Year
4. Inorganic Chemistry B.SC. II Year
5. Physical Chemistry B.SC. III Year
6. Inorganic Chemistry M.SC. I Year
7. Analytical Chemistry M.SC. II Year
8. Photochemistry and Nanomaterials M.SC. II Year

Additional Assignments/Duties

- Expert Member for PG and UG Syllabus modification and Review as per Latest CBCS Pattern at Kalinga University 2021.
- Representative member from Chemistry department for **UGC inspection for section 12-B** at Kalinga University Naya Raipur Chhattisgarh
- Head of the department for **NAAC Committee of criteria-VII (Innovations and Bestpractices)**.
- Member "**Research and Innovation Cell**" at Kalinga University Naya Raipur Chhattisgarh from 26.12.2020.
- Incharge of **Central Instrumentation Facility Lab** at Kalinga University. Conducting internal & external examinations and evaluating the students' performance.
- Making arrangements for **extra curricular activities** for students and conducting faculty development programs in association with Dean Students Welfare at Kalinga University.

➤ Research Papers Published

1. **Pratik Kumar Jagtap** and Kavita Tapadia, "Green chemistry: an eco-compatible approach for Nanodrop Spectrophotometric Determination of Amitriptyline in pure and pharmaceutical dosage forms" *Rasayan Journal of chemistry*. October – December, 2016, Vol. 9, No. 4 Pages 582 - 587 | **Scopus Journal**
2. **Pratik Kumar Jagtap** and Kavita Tapadia, Pharmacokinetic determination and analysis of Nortriptyline based on GC-MS coupled with HF-DDSME technique. *Bioanalysis, Science Citation Indexed Journal (IF 2.67)* Vol.10(3), 143-152. 2018.
3. **Pratik Kumar Jagtap** and Kavita Tapadia, Development of novel dynamic drop-to-drop microextraction coupled with gc-ms for the trace level screening of phenothiazine drug in human plasma samples.. *Indian Journal of Pharmaceutical Education and research*. Vol.52(4), S23-S28. 2018. **SCI Journal**
4. **Pratik Kumar Jagtap** and Kavita Tapadia, Isolation and quantitative determination of Terpenoids and Asiaticosides from the leaves of Centella asiatica using GC-MS for their antidepressant activities. *Research Journal of Chemistry and Environment*. Vol. 24 (3) March (2020) **Scopus Journal**
5. **Pratik Kumar Jagtap** and Udaynath Rath. Potential application of plants for synthesis of Gold and silver nanoparticles: A Review. *IJRASET (UGC Journal)*. Vol.7(6).1560-1567.2019
6. **Pratik Kumar Jagtap**, Fawad Ahmad Andari and Premprakash Sharma Novel synthesis of Zinc Nanoparticles using green approach.. *IJEDR (UGC Journal)*. Vol.7(7). 161-164.
7. **Pratik Kumar Jagtap**, Udayanath Ratha, Sarada Bhanjadeo, Eco compatible method for Synthesis of Zinc oxide Nanoparticle and Its Potential Applications. *RJSET (UGC Journal)*. Vol.10(2).96-102.
8. **Pratik Kumar Jagtap**, Rupesh Kumar Meher and Madhuri Madhusmita Biswal. Facile Eco- compatible Design for the Synthesis and Characterization of Silver Nanoparticles. *Nanoscience & Nanotechnology-Asia, Scopus Journal*. 2020, 10.

9. **Pratik Kumar Jagtap** and Varaprasad Kolla, A Comprehensive report on critical aspects of the virus that caged us. European Journal of Molecular and Clinical Medicine.Scopus Journal.2020 Vol. 7(3) 2587-2601. **Scopus Journal.**

10. Vandana Singh Suryawanshi, Tungabidya Maharana **and Pratik Kumar Jagtap** ,Microencapsulation of Cassia Fistula Flower Extract with Chitosan and its Antibacterial Studies. **Accepted for Publication** in Current Drug Delivery. Bentham Sciences. IF-2.565 SCIE Indexed. **August 2021.**

Book/ Book Chapter

INTERNATIONAL BOOK CHAPTER

- ❏ Micro Extraction: An Ecocompatible Extraction Technique. Pratik Kumar Jagtap, PhD. Book title ***Advances in Chemistry Research. Volume 59.*** Nova Science Publishers, Inc. **415 Oser Avenue, Suite N Hauppauge, NY 11788 USA.**

Membership of Professional Bodies

1. The Indian Science Congress Association-Life member (LM-37674)
2. Association of Environmental Analytical Chemistry of India-Life member (LM-449)
3. Hong Kong Chemical, Biological & Environmental Engineering Society(HKCBEES). Senior Member: (Membership Number – 101810)
4. Society for Materials Chemistry- Life Member (LM-1289)

Reviewer and Editorial Board Member

1. Editorial Board Members in Science Journal of Analytical Chemistry (SJAC)ISSN: 2376-8045 (Print); ISSN: 2376-8053 (Online);
2. Life time member of Honorary Advisory Editorial Board/ Reviewer Panel of ASIO Journal of Chemistry, Physics, Mathematics and Applied Sciences ISSN:2455-7064

Computer/Software Proficiency

1. Well versed with use of different teaching learning tools like Zoom Meetings, Google Classroom, MS-Teams.
2. MS Office, Excel, Power Point, ORIGIN, CHEMDRAW, CHEMSKETCH
3. National e-Workshop On “Hand-On Practice on Different Software Tools in Chemistry”

on 08/03/2021.

By Shri Rajendra Suri Govt. College Sardarpur-Rajgarh ,Dhar,M.P.,India 454111

4. Attended the workshop organized by Elsevier on “Learning fundamentals of publishing in quality journals” at Sushant University, Gurugram, on Wednesday 26 May, 2021

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended.

Workshop

1. **Successfully completed 4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education"** from June 04 - July 01, 2020. Sponsored by MHRD Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.
2. **Attended 15 days Summer School on “Scientific Instrument Techniques”** from May 22-June 7 2020 organized by SAGE University of Research and Technology Indore
3. **Two Weeks Faculty Development Programme** on "MANAGING ONLINE CLASSES and CO- CREATING MOOCS:2.0" from May 18 - June 03, 2020. Organized by Teaching Learning Center, Ramanujan College, University of Delhi.
4. **Attended A 15 Days Training Program On Instrumental Analysis** At The Analytical Chemistry Division At Bhabha Atomic Research Centre, (Barc) Mumbai In November 2014
5. **Successfully completed Seven Day Online National Level Faculty Development Program** On Advancement and Implementation of Chemistry Concepts and Teaching Methodology for Educators and Learners 24th May 2021- 31st May 2021.

STTP(Short Term Training Programme)

1. Attended One Week Short Term Training Programme In The Department Of Chemistry at NIT Raipur On “ *Advances In The Analytical Techniques In Chemistry And Material Sciences*” on February 8-12 2016
2. Attended A Short Term Training Program On “ *Environment Challenges And Remedies (ECR-2015)* Organized By Department Of Chemical Engineering NIT Raipur On May 25-29, 2015
3. Presented A Research Paper In The International Conference On “*The Status Of Science And Technology In Chhattisgarh State*” Held On March 19-20 , 2015 at BIT Durg
4. Attended A 15 Days Training Program On Instrumental Analysis At The

Analytical Chemistry Division At **Bhabha Atomic Research Centre, (Barc) Mumbai** In November 2014

5. Participated In The Training Program On “*Uses Of E – Resources*” Organized By Central Library NIT Raipur on September 10 , 2014.
6. Participated In National Short Term Training Programme On “*Recent Trends In Heterocyclic Compounds And Material Sciences*” at NIT Raipur on 26-30 May, 2014
7. Participated In National Conference On “*Innovative Techniques Towards Environmental Protection*” Sponsored By CCOST, Raipur At Rungta Group Of Institutions, Bilai. March 13-14, 2014.

Invited Talk/ Expert Talk Delivered.

1. On the occasion of World Environment Day Delivered an Expert Talk on 1st June 2021 at DR. KCB GOVT PG College Bilai-3 Dist : Durg (CG) Organised by Deptt. Of English & ECO Club on the topic “**The Chemistry of Hope- Remedies to minimise Environment Pollution.**”
2. **Delivered Expert Session** in International Conclave “75 Years of Pragmatic Moves of Science and Technology in Independent India as **Guest Speaker** on 27th August 2021 on the Topic Chemistry: A Sustainable Approach towards Minimization and Miniaturization Techniques.
3. Subject Expert for External Viva Examination for **M.SC. Chemistry Dissertation** work at MATS University. Raipur C.G.
4. **Subject Expert** for External Viva Examination for B.Tech. I Semester Applied Chemistry at Swami Vivekanand Technical University, Bilai for Shri Shankaracharya Technical Campus, Bilai, C.G.
5. Supervisor for 3 Students for M.Sc. Chemistry Dissertation for session 2020-2021

Conferences Attended

- (1) Paper titled “UV - Visible spectrophotometric determination of Amitriptyline HCl”. National conference on Innovative Techniques Towards Environmental Protection on 13-14 March 2014, **Rungta College Of Engineering And Technology, Bilai (C.G.),**
- (2) Paper titled “Review on varieties and scope of microextraction as green technique in pharmaceutical analysis”. International conference on Status of Science and Technology in Chhattisgarh State on 19-20 March, 2015, **Bilai Institute of Technology, Durg (C. G.),**
- (3) Paper titled “Sensitive and innovative technique of nanodrop spectrophotometry for the rapid determination of phenothiazine drug application to forensic studies. 6th International Science Congress (ISC-2016) by **International Science Community Association** 8th- 9th Dec 2016, Hutatma Rajguru Mahavidyalaya **Pune, Maharashtra.**

- (4) "Validated method for the pharmacokinetic studies of phenothiazine drugs promethazine using drop to drop solvent microextraction coupled with GC-MS. 2nd International Conference INNOPHARM 2 **Bridging innovations in Pharmaceutical, Medical and Biosciences 11th-12th Feb 2017 at M.P. COST , Bhopal (M.P.)**
- (5) Paper titled "Sensitive and innovative solvent minimized microextraction technique for the pharmacokinetic studies of antidepressant drug 16th Chhattisgarh Young Scientists Congress-2018 on 27th-Feb-28th Feb, **Durg University, Durg (C. G.),**
- (6) Paper titled "Miniaturized deep eutectic solvent based microextraction probes coupled with GC-MS for the versatile determination and analysis of Amitriptyline drug from complex matrices. National conference on **"Innovations in Chemistry and Environmental Engineering. 2^{9th} April 2019 at Department of Chemistry NIT Raipur Chhattisgarh**
- (7) Paper titled "Synthesis and Characterization of Silver nanoparticle using Facile Ecompatible Methods" International conference on **" Recent advances in Biotechnology and Biochemistry" 8th-9th January 2020 at Department of Biotechnology NIT Raipur Chhattisgarh**
- (8) Paper titled "Green -Synthesis of Zero Valent Copper Nanoparticle Using Plant Extract as Reducing Agents" **International Virtual Conference on Frontiers in Chemical Sciences June 25, 2021. Department of Chemistry Mohanlal Sukhadia University Udaipur, Rajasthan, India.**
- (9) Paper titled " Nanoparticles in Medicine: Therapeutic Application and Development" 2nd **International Conference on Chemical, Bio and Environmental Engineering CHEMBIOEN-2021 August 20-22 2021 at Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab India.**

CONFERENCES/ SEMINAR/ WEBINAR/ INVITED LECTURES / SESSION CHAIR Organized

1. Organized National Conference on " Recent trends in Chemistry and Environmental issues in Chhattisgarh" KU-CHEM 2019 19th -20th September 2019 as Secretary in the Department of Chemistry at Kalinga University Naya Raipur Chhattisgarh India.
2. Organized National Webinar on "Forest and Biodiversity: Too Precious to lose" on the Occasion of International Biodiversity Day on 22nd May 2020.
3. Organized National Webinar on "New Challenges Post Pandemic: A step towards connecting people to Environment." On the occasion of World Environment Day. on 5th June 2020.
4. Organized Invited Talk on "Emerging Trends in Nanoparticles Synthesis and Applications. By Dr. Satyajit Gupta Assistant Professor, IIT Bhilai. On 28.08.2019.
5. Organized Invited Talk on " Nanomaterials and Multifunctional Applications" By. Dr. Jaiprakash from

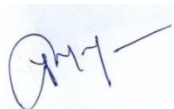
NIT Hamirpur.

6. Organized National Webinar on the Occasion of International Women's Day on 08.03.2021 by Dr.Latika Nath Ph.D. from University of Cambridge and a Wildlife Conservationist.

7. Organized National Webinar on "Youth and Leadership: New Era of Lifestyle" by Dr. Govardhan Bhat, Dept. of Civil Enng. NIT Raipur.

Awards, Achievements and Recognition

- ^{1.} International young scientist best oral presentation award 2016 BY 6TH International Science Congress (ISC-2016) by International science community association on 8th and 9th December 2016, Hutatma Rajguru Mahavidyalaya Pune INDIA
- 1 prize for outstanding oral presentation by 2nd International Conference **Innopharm 2** by Innovare Academic Science and MPCOST on 11TH and 12th February 2017, MP Council of Science and Technology Bhopal (MP) INDIA
- 2nd Prize for Best Poster presentation National conference on "**Innovations in Chemistry and Environment Engineering** on 29th April 2019 at Department of Chemistry NIT Raipur
4. Educational Leader Award "Pride of the Nation Award", New Delhi For Renaissance in Teaching and Innovation on 15th July 2019.



Date: 11/05/2022

Place: Aurangabad