

CURRICULUM VITAE

A) General/Contact Information

- a) **Name :** Ram Prakash Chauhan
- b) **Designation:** Assistant Professor
- c) **Educational Qualification:** M.Sc., Ph.D., CSIR-JRF & NET, GATE
- d) **Email ID:** ramprakashchauhan@gmail.com

B) Research training: Worked as **Research Fellow** at **Institute of Nuclear Medicine & Allied Sciences, Defence Research & Development Organisation (DRDO), Delhi, India** w.e.f. **06/08/2007** to **31/01/2009** as **DRDO research fellow** and then as **CSIR research fellow** w.e.f. **01/02/2009** to **11/06/2010** and the nature of work done was **R& D** (Research & Development).

C) Teaching Experience: 14 Years.

D) Academic Qualifications:

- (i) **Graduation:** B.Sc. (Medical), **Year-2004**, HPU-Shimla, Division-1st.
- (ii) **Post Graduation:** M.Sc. Chemistry, **Year-2006**, HPU-Shimla, Division-1st.
- (iii) **Ph.D.:** **Topic-**“ Formulation & characterisation of ferrite nanoparticles for enhanced imaging using radiodiagnostic techniques and magnetic resonance” , **Year-2014**, Institute of Nuclear Medicine & Allied Sciences, Defence Research & Development Organisation (DRDO), Delhi & Deptt. of Chemistry & Centre of Advanced Studies in Chemistry, Panjab University Chandigarh, India.

E) Other: Previously served as ‘ Editorial Board Member’ of an international journal i.e. ‘ Journal of Nanotechnology in Diagnosis and Treatment’ (JNDT). Also acted as reviewer to carry out peer review work for different journals in the year 2022 and 2023 including Journal of Pharmaceutical Research International, Asian Basic & Applied Research Journal, Asian Journal of Research in Biochemistry, International Journal of Environment and Climate Change, South Asian Research Journal of Natural Products record of which is there on Web of Science (**Verified Peer Reviews: 07**).

F) Publications:

1. “ Tryptophan conjugated magnetic nanoparticles for targeting tumors overexpressing indoleamine 2,3 dioxygenase (IDO) and L-type amino acid transporter” Rashi Mathur, **Ram Prakash Chauhan**, Gurjaspreet Singh, Sweta Singh, Raunak Varshney, Ankur Kaul, Sanyog Jain, Anil Kumar Mishra. *Journal of Materials Science: Materials in Medicine* (2020) **31**, 87 [**Impact Factor** (2020)-**3.896**].
2. “ Applications of Magnetic Nanoparticles in Cancer Detection and Treatment” **Ram Prakash Chauhan** and Aneesh Dharmani. *Journal of Nanotechnology in Diagnosis and Treatment* (2017) **5**, 34-43.
3. “ Enhanced in vivo tumour imaging by EDTA-bisGNR functionalized core shell CdSe:ZnS quantum dot: synergistic effect of active passive targeting” Rashi Mathur, Narmada Bag, Raunak Varshney, Firasat Hussain, Ankur Kaul, Neelam Kumari, **Ramprakash Chauhan**, Shivani Singh, Sweta Singh and Anil. K. Mishra. *RSC Advances* (2016) **6**, 13562-13571 (**Impact Factor-3.289**)*.
4. “ Synthesis and *in vivo* toxicity assessment of CdSe: ZnS Quantum Dots functionalized with EDTA-Bis-Cysteamine” Narmada Bag, Rashi Mathur, Firasat Hussain, Namita Indracanti, Sweta Singh, Shivani Singh, **Ram Prakash Chauhan**, Krishna Chuttani and Anil Kumar Mishra. *Toxicology Research* (2015) **4**, 1416-1425 (**Impact Factor-3.983**)*.
5. “ Design, synthesis and evaluation of the QD-DTC– bisbiotin nanobioconjugate as a potential optical-SPECT imaging agent” Narmada Bag, Rashi Mathur, Sweta Singh, Firasat Hussain, **Ram Prakash Chauhan**, Krishna Chuttani and Anil Kumar Mishra. *Med. Chem. Comm.* (2015) **6**, 363-371 (**Impact Factor-2.495**)*.
6. “ Evaluation of folate conjugated superparamagnetic iron oxide nanoparticles for scintigraphic/magnetic resonance imaging” **Ram Prakash Chauhan**, Rashi Mathur, Gurjaspreet Singh, Ankur Kaul, Narmada Bag, Sweta Singh, Hemanth Kumar, Manoj Patra, Anil K. Mishra. *Journal of Biomedical Nanotechnology* (2013) **9**, 323-334 (**Impact Factor-5.338**)*.
7. “ Evaluation of biotinylated magnetic nanoparticles for tumour imaging” **Ram Prakash Chauhan**, Rashi Mathur, Gurjaspreet Singh, Narmada Bag, Sweta Singh, Krishna Chuttani, B. S. Hemanth Kumar, Satyam K. Agrawal, Anil K. Mishra. *Journal of Materials Science* (2013) **48**, 3913-3925 (**Impact Factor-2.371**)*.
8. “ Biotinylated magnetic nanoparticles for pretargeting: Synthesis and characterization study” **Ram Prakash Chauhan**, Gurjaspreet Singh, Sweta Singh, Narmada Bag, Manoj Patra, S. R. Vadera, Anil K. Mishra, Rashi Mathur. *Cancer Nanotechnology* (2011) **2**:111-120 [**Current Impact Factor-5.095**, (2-year Impact Factor, as given on the Journal Home Page)].

*Impact Factors mentioned for these journal' s are for the years during which respective articles/papers were published.

G) Abstracts, conferences, seminars, posters & oral presentations:

1. International Webinar entitled “ Clean Water Innovations: Addressing Global Challenges” held on **30th April, 2024** organised by **Chemistry World Webinars**.
2. International Webinar entitled “ Grant Writing for Success” held on **18th April, 2024** organised by **Bentham Science**.
3. International Webinar entitled “ Culinary Chemistry: Exploring the science of baking with Josh Smalley” held on **27th March, 2024** organised by **Chemistry World Webinars**.
4. National Webinar on “ Intellectual Property Rights (IPR) & Patent Filing System in India” organized by **Global Innovative Foundation for Transforming Society** on **17th March, 2024**.
5. National Webinar entitled “ Is Air Pollution responsible for increasing rate of Lung cancer” organized by **UGC-MMTC, SGTB Khalsa College, University of Delhi** in collaboration with **Indian Cancer Society, Delhi** on **2nd March, 2024**.
6. Presented paper entitled “ Landslide Vulnerability Profile of Different Districts of Himachal Pradesh” in **National Conference** organized by **G.C.-Jukhala, Bilaspur (H.P.), India** on **20/05/2023**.
7. Presented paper entitled “Raw Materials for growing Dhingri Mushroom at Home” organized by **Career Counselling Cell, Deptt. of Chemistry & Life Sciences** in collaboration with **IQAC at GC Jukhala, Distt. Bilaspur (H.P.)** on **26th April, 2023**.
8. Attended One Day **International Webinar** on Green Chemistry organized by **LRDAV College Jagraon, Punjab, India** on **27th March, 2023**.
9. Presented paper entitled “Value Added Courses in Chemistry” in **National Webinar/Seminar** on Implementation of National Education Policy-2020: Opportunities and Challenges organized by **G.C.-Jukhala, Bilaspur (H.P.), India** on **10/03/2023**.
10. Participated in One Day Online **National Webinar** on “ Implementation of Academic Bank of Credits” organized by **Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi, India** on **10th July, 2021**.
11. Participated in One Day **National Webinar** on World Environment Day organized by **IQAC of Chander Dhar Guleri Govt. Degree College Haripur Guler, Kangra (H.P.), India** on **05th June, 2021**.

12. Presented e-Poster on **“Synthesis and characterisation of tryptophan conjugated magnetic NP's for targeting tumours”** in **14th Chandigarh Science Congress (CHASCON-2020)** an international event jointly organized by **Panjab University and Chandigarh Region Innovation and Knowledge Cluster (CRIKC)** w.e.f. **17-19, December 2020**.
13. Attended **National Level Webinar on: Intellectual Property Right (IPR) & Patent Filing** organized by **Internal Quality Assurance Cell, (IQAC)** of Late Ku. Durga K. Banmeru **Science College, LONAR, Distt. Buldhana, Maharashtra, India** in **LOCKDOWN PERIOD (Work From Home)**, on **8th June 2020**.
14. Attended One Day **National Webinar on “Jal Shakti Abhiyan: Water and Environment”** organised by **Ek Bharat Shreshtha Bharat (EBSB) Club and Department of Chemistry, Govt. College-Bilaspur (H.P.), India** during **COVID-19 on World Environment Day, 5th June, 2020**.
15. Presented paper entitled **“Student centered approach to teaching and learning in higher education’** in **National Seminar on ‘Challenges of present day teaching in higher education’** held at **Govt. College Jukhala, Distt. Bilaspur, (H.P.) India** on **28th March, 2018**.
16. Attended **“ National seminar on Consumer Protection and Consumer Welfare in India”** held at **S.V. Govt. College Ghumarwin, Distt. Bilaspur, (H.P.) India** w.e.f. **2-3rd Nov, 2015**.
17. Presented paper entitled **‘ Food security, food safety and pesticides’** in **National Seminar on “Food Security in India: Challenges and Ways Ahead”** held at **S.V. Govt. College Ghumarwin, Distt. Bilaspur, (H.P.) India** w.e.f. **5-6th April, 2014**.
18. Attended **UGC sponsored “ State seminar on Politico-administrative reforms in Panchayati Raj Institutions in Himachal Pradesh”** held at **S.V. Govt. College Ghumarwin, Distt. Bilaspur, (H.P.) India** w.e.f. **29-30th Dec, 2011**.
19. **Oral Presentation** on topic **“In vitro and in vivo evaluation of biotinylated magnetic nanoparticles for tumor targeting by SPECT/MRI”** in **International Conference on Nanomaterials & Nanotechnology (ICNANO-2011)** held at **Conference Centre, University of Delhi, India** w.e.f. **18th -21st December 2011**.
20. Presented poster on **“Synthesis and characterization of folate receptor targeted super paramagnetic maghemite nanoparticles for enhanced tumor imaging”** in **Prof R.C. Paul 6th National Annual Symposium** on emerging areas in chemical

Sciences held at **Deptt. Of Chemistry & Centre of Advanced Studies in Chemistry, Panjab University, Chandigarh, India** from 5-6th March, 2010.

21. **“Synthesis and characterization of Tc-99^m labeled folic acid conjugated superparamagnetic maghemite nanoparticles for enhanced imaging”**. Ram **Prakash Chauhan**, Rashi Mathur, Gurjaspreet Singh, Sweta Singh, Shubhra Chaturvedi, Ankur Kaul, A.K.Babbar, A.K.Mishra. *Indian Journal of Nuclear Medicine*, Sept-Dec **2009**, Vol-24, Iss-3&4, P.No.- 91-92.
22. Presented Poster on **“Development of dextran coated super paramagnetic nanoparticles for targeted tumor imaging”** in **Indian Institute of Science Centenary** symposium (an international event) on future directions in NMR. **ICS-FD-NMR-2008** held at **NMR research centre, IISc. Bangalore** (Top most scientific institute in India) from **19-22nd Oct, 2008**.
23. Presented poster entitled **“Maghemite nanoparticles as potential markers for imaging and targeted delivery”** in **Special symposium on Advanced MR applications and 14th NMRS meeting January 16-19, 2008, INMAS, Delhi, India**.

H) Workshops, trainings and development programmes:

1. Seven Day International Workshop on **“Role of Communication Skills in Career Development”** organized by **SCVBGC Palampur (H.P.)** in collaboration with **Mindanao State University-Sulu, Jolo, Philippines** w.e.f. **19th to 25th March, 2024**.
2. NEP 2020 Orientation & Sensitization Programme organized by **Iswar Saran PG College, Prayagraj** w.e.f. **17th Jan, 2024 to 30th Jan, 2024**.
3. One Week Workshop on **“Mushroom Cultivation”** organized by **Career Counselling Cell, Deptt. of Chemistry & Life Sciences** in collaboration with **IQAC at GC Jukhala, Distt. Bilaspur (H.P.)** w.e.f. **13th to 18th March, 2023**.
4. Successfully completed Two Week Refresher Course in **Chemistry** organized by **Ramanujan College, University of Delhi, India** w.e.f. **29th Nov to 13th Dec, 2022**.
5. Successfully completed **2-Days** workshop on **“Designing and Development of e-Resources for Teaching and Learning-Part II”** organized by **Deptt. of Computer Science and Deptt. of Chemistry, Rajdhani College, University of Delhi, India** held on **23-24 July, 2021**.

6. Successfully completed **2-week Online Faculty Development Programme** on **“Developing Online Courses for SWAYAM”** organized by **School of Computer Science & IT and Online Programme Cell, Uttarakhand Open University, Haldwani** in collaboration with **Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi, India** w.e.f. **21st June to 05th July, 2021.**
7. Successfully completed **3-Days workshop** on **“Designing and Development of e-Resources for Teaching and Learning”** with ‘**A**’ grade organized by **Rajdhani College, University of Delhi, India** in **June, 2021.**
8. Attended **One Day Online National Workshop** on **“ICT Tools for Chemistry Teachers”** organized by **Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi, India** on **22nd Feb, 2021.**
9. Participated in **TEQIP-III Sponsored One Week Short Term Course** on **‘Chemistry for Engineering Applications’** organized by **Department of Chemistry, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India** w.e.f. **September 14-18, 2020.**
10. Successfully completed **6 Days training** (**27th April to 2nd May, 2020**) on **“LibreOffice Suite Calc”** offered by **Spoken Tutorial Project, IIT Bombay,** funded by the **National Mission on Education through ICT, MHRD, Govt. of India.**
11. Successfully completed **6 Days training** (**27th April to 2nd May, 2020**) on **“Libre Office Suite Writer”** offered by the **Spoken Tutorial Project, IIT Bombay,** funded by the **National Mission on Education through ICT, MHRD, Govt. of India.**
12. Attended **Online Refresher Course in Chemistry for Higher Education Faculty** organized by **Sri Guru Tegh Bahadur Khalsa College, University of Delhi, India** and successfully qualified **Annual Refresher Programme In Teaching (ARPIT) Exam-February 2020** held on **16.02.2020** with **94% Score.**
13. Attended **39th Orientation Programme** organized by **HRD Centre, Punjabi University, Patiala, Punjab, India** w.e.f. **06 Feb, 2019 to 05 March, 2019** with ‘**A**’ grade.
14. Attended training on **Financial Administration** held at **Regional Training Centre (HIPA), Kangra at Dharmshala (H.P.) India** w.e.f. **22/05/2017 to 26/05/2017.**
15. Attended **Induction Training for Assistant Professors** w.e.f. **26th Nov, 2012 to 08th Dec, 2012** at **State Council of Educational Research and Training (SCERT), Solan, (H.P.) India.**

I) Awards/Prizes/Certificates etc., if any.

1. ‘ **Best Poster**’ award at Prof. R.C. Paul **6th National Annual Symposium** held at **Deptt. of Chemistry & Centre of Advanced Studies in Chemistry, Panjab University, Chandigarh, India** on **March 5-6, 2010**.
2. Qualified **CSIR-JRF** (Junior Research Fellowship)- **Jun, 2008** in **Chemical Sciences** conducted by **Council of Scientific and Industrial Research (CSIR)**, MHRD, Govt. of India.
3. Qualified **NET (LS)** (National Eligibility Test)- **Dec, 2007** in **Chemical Sciences** conducted by **Council of Scientific and Industrial Research (CSIR)**, MHRD, Govt. of India.
4. Qualified **GATE-2007** (Graduate Aptitude Test in Engineering) conducted by Indian Institute of Technology (IIT) **Kanpur, India**. **All India Rank (AIR)-476, GATE score-367**.
5. Qualified **GATE-2006** conducted by **IIT Kharagpur, India, AIR-326, GATE score-389**.
6. Selected for **Junior Research Fellowship** from **Institute of Nuclear Medicine & Allied Sciences, Delhi, India**, a premier research institute of **Defence Research & Development Organization (DRDO)**, **Ministry of Defence**, Government of India.