
Lt. Dr. Samjeet Singh Thakur

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**Academic Qualifications**

1. **Ph.D. (Organic Chemistry)** "*Gelatin-Based New Hybrid Materials for Specialty Applications*" from **Himachal Pradesh University Shimla**, Himachal Pradesh (2014).
 2. **Pre-Ph.D. (Computational Organic Chemistry)** "*Course Work and Geometry Optimization for the Various Mechanistic Pathways and Reaction Mechanism*" from **IIT Bombay**, Maharashtra (2007 to 2009).
 3. **M.Phil Chemistry** in First Division, (Chemical Education) **IGNOU, New Delhi**, (2019-2021).
 4. **M.Sc Chemistry** in First Division, (Specialization: Organic Chemistry) **Himachal Pradesh University Shimla**, Himachal Pradesh (2006).
 5. **B. Ed.** in First Division, (Teaching of Physical Sciences), **Himachal Pradesh University Shimla**, Himachal Pradesh (2004).
 6. **B. Sc. (PCM)**, in First Division, **Himachal Pradesh University Shimla**, Himachal Pradesh (2003).
 7. **10+2**; in First Division, **GSSBS Hamirpur**; HPBSE Dharamshala, Himachal Pradesh (1999).
 8. **Matric**, in Second Division, **Kendriya Vidyalaya Hamirpur**; CBSE, New-Delhi (1997).
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Additional Academic Qualifications

CSIR-UGC (JRF& NET-LS) Dec-2006 & June-2007; CSIR-UGC (NET-LS) June-2006;

HP SLET 2005-06

GATE-2007 (99 Percentile with AIR 99); GATE-2006 (93 Percentile with AIR 392);

GATE 2005 (86 Percentile with AIR 496); JAM 2004 (AIR 214)

MA Pub. Admn. 2nd Division HPU Shimla (2017)

MA History 1st Division IGNOU, New Delhi (2020)

MA Sociology 1st Division HPU Shimla (2023)

Teaching Experience: 14 Years

UG Courses: Organic Chemistry; Physical Chemistry; Inorganic Chemistry & Analytical Chemistry

PG Courses: Group Theory; Stereochemistry; Reaction Mechanism; Spectroscopy; Coordination Chemistry; Quantum Chemistry; Photochemistry; Pericyclic Reactions; Medicinal Chemistry; Synthetic Organic Chemistry; Bio-organic Chemistry.

Research Experience: 10 Years

Research Field: Computational Organic Chemistry; Polymer Chemistry; Chemistry Educational Research; Waste Water Treatments; Nanomaterials & Hybrid materials.

Expertise on Research Instruments: FTIR Spectrometer; UV-Visible Spectrometer; NMR Spectrometer; Scanning Electron Microscopy; Transmission Electron Microscopy; XRD-Analysis; Computation & Simulation; Thermo-gravimetric Analysis.

Professional Experiences

1. Department of Higher Education Shimla Govt. of Himachal Pradesh (13.5 Years)

Assistant Professor, Department of Chemistry, Govt. College Bhoranj, District: Hamirpur; Himachal Pradesh (17.06.2010 to 10.07.2013)

Assistant Professor, Department of Chemistry, NSCBM Govt. College Hamirpur; Himachal Pradesh (11.07.2013 to 29.05.2016)

Assistant Professor, Department of Chemistry, Govt. College Nerwa; District: Shimla; Himachal Pradesh (30.05.2016 to 09.03.2017)

Assistant Professor, Department of Chemistry, RGM Govt. College Joginder Nagar; Mandi Himachal Pradesh (10.03.2017 to 31.07.2023)

Assistant Professor, Department of Chemistry, NSCBM Govt. College Hamirpur; Himachal Pradesh (01.08.2023 onwards)

2. Himachal Pradesh University Shimla (Six Months): *Taught SC/ST/OBC Science Students of HPU Shimla for UGC-NET Coaching under GOI-UGC Scheme.*

3. Associate NCC Officer: *Guides NCC Cadets for BEE & CEE Certificate Exam since 2020 and also accompanied NCC Cadets in various Camps. Represented PHHP&C NCC Directorate in Ek Bharat Shresth Bharat National Integration Camp at Motihari, Bihar, India.*

Research Publications

1. No. of Publications (Articles/Book Chapters) in International Journals/Conference Proceedings: 07
 2. No. of Publications (Articles/Book Chapters) in National Journals/Conference proceedings: 04
 3. No. of Books Co-Authored as main Author with ISBN: 02 (Chemistry, B.Sc 3rd Year & Teaching of Physical Science for B.Ed.)
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Training Programmes: RC/OC/FIP/FDP

S. No.	Name of Course	Name of Institution	Duration	Title of the Programme
1.	Induction Teacher Training Programme	GCTE Dharamshala Himachal Pradesh <i>by</i> Department of Higher Education	18 th August to 30 th August 2014	Teacher Training Programme “Faculty Induction Programme” for Assistant Professors (College Cadre) with 0-5 years of service (Two Weeks)
2.	“Science Academies (IASc; NASI; INSA)” Refresher Course	Indian Women Scientists Association Vashi Navi Mumbai <i>Organized by</i> Indian National Science Academy, Bangalore	15 th December to 30 th December 2017	“Foundation of Physical Chemistry & Its Applications” <i>under the aegis of (IASc Bangalore; NASI Allahabad & INSA New Delhi)</i> (Two Weeks)
3.	Orientation Programme	UGC–Human Resource Development Centre Jawaharlal Nehru University, New Delhi	8 th January to 2 nd February 2018	“109th Orientation Programme” (Four Weeks)
4.	Online Referresher Course in Chemistry for Higher Education (ARPIT)	Sri Guru Tegh Bahadur Khalsa College, University of Delhi <i>under the aegis of UGC-SWAYAM-AICTE-NTA Govt. of India Ministry of HRD</i>	1 st September to 31 st December 2019 (Online Exam Conducted on 16-02-2020)	SWAYAM ARPIT (Annual Referresher Programme in Teaching) Online Course Certification <i>under Career Advancement Scheme (CAS)</i> (94% Marks with A-Grade) (16 Weeks)
5.	Faculty Development Programme (Online Mode)	<i>organized by</i> RGPV, <i>under</i> TEQIP-III in association with Civil Engineering Department of IPS Academy, Institute of Engineering & Science, Indore	29 th June to 3 rd July 2020	““Eco- Enviro-Sustainability”” (One Week)
6.	Refresher Course (Online Mode)	UGC–Human Resource Development Centre Mizoram University <i>under</i> UGC STRIDE SCHEME	7 th July to 20 th July 2020	“Research Methodology: Tools And Techniques” (Two Weeks)
7.	Refresher Course (Online Mode)	Teaching Learning Centre, Ramanujan College, University Of Delhi <i>under the aegis of</i> Ministry of Education PMMMNTT Scheme	20 th September to 04 th October 2021	“Natural Sciences” (Two Weeks)
8.	Refresher Course (Online Mode)	UGC – Human Resource Development Centre Jawaharlal Nehru University, New Delhi	10 th January to 22 nd January 2022	“19th Refresher Course in Physical Sciences and Nano-Sciences” (Two Weeks)
9.	Refresher Course	Teaching Learning Centre, Ramanujan	1 st February to	“Chemical Sciences” (Two Weeks)

	(Online Mode)	College, University Of Delhi & IQAC Miranda College under the aegis of Ministry of Education PMMMNTT Scheme	15 th February 2022	
10.	Refresher Course (Online Mode)	Teaching Learning Centre, Ramanujan College, University Of Delhi under the aegis of Ministry of Education PMMMNTT Scheme	4 th September to 18 th September 2022	“Environmental Sciences” (Two Weeks)
11.	Refresher Course (Online Mode)	UGC–Human Resource Development Centre NEHU, Shillong, Meghalaya	31 st October to 15 th November 2022	“Chemistry” (Two Weeks)
12.	Faculty Development Programme (Online Mode)	Teaching Learning Centre, Ramanujan College, University Of Delhi under the aegis of Ministry of Education PMMMNTT Scheme	26 th October to 02 nd October 2023	“Developing MOOCs” (One Week)

Webinar/Seminar/Workshop :

S. No.	Name of Course	Name of Institution	Duration	National/ International
1.	Advance Training of Trainers on “Disaster Management”	HIPA, Fairlawns Shimla, Govt. of Himachal Pradesh	23 rd May to 04 th June 2011	State Level (Two Weeks)
2.	QIP Short-Term Course: “Fluorescence Spectroscopy & Its Applications”	Chemistry Department, IIT Kanpur	13 th November to 19 th November 2017	National Level (One Week)
3.	STEM Teacher Training Workshop on Research Based Pedagogical Tools in Chemistry Jointly organized by DBT, GOI & Newton Bhabha Fund of British Council & COESME IISER Pune & IIT Gandhi Nagar	Poster Presentation at IIT GandhiNagar	10 th December to 13 th December 2017	National Level (Three Days)
4.	23 rd Training of Trainers on “Consumer Protection and Consumer Welfare”	IIPA, New Delhi	24 th September to 28 th September 2018	National Level (One Weeks)
5.	QIP Short-Term Course: “Engineering Applications of Modern Inorganic Chemistry”	Chemistry Department, IIT Kanpur	1 st November to 5 th November 2018	National Level (One Weeks)

6.	“168th PRCN Course” (Senior Division) 90 Days Training Commissioned as Lieutenant	Officers Training Academy Kamptee Nagpur Maharashtra	14 th September to 12 th December 2020	National Level NCC PRCN Course (3 Months)
7.	One Day National Seminar on “Blended Learning in Chemistry”	Guru Angad Dev TLC, SGTB Khalsa College, University of Delhi	28 th May 2019	National Level (One Day)
8.	State Level Event on IYPT-2019 “International Year of the Periodic Table of Chemical Elements-2019”	Department of Chemistry VGC Mandi	5 th October 2019	State Level (One Day)

Paper Presentation in Conferences:

1. Paper/Poster Presentation in National Conferences: 09
2. Paper/Poster Presentation in International Conferences: 13

Life Membership:

1. Life Member of **Association of Chemistry Teachers (ACT)**, HBCSE-TIFR Mumbai.
2. Life Member of **Asian Polymer Association (APA)**, IIT Delhi.
3. Life Member of **Himachal Science Congress Association (HSCA)**, Himachal Pradesh.
4. Life Member of **Indian Science Congress Association (ISCA)**, Kolkatta.

Resource Person:

1. HBCSE-TIFR, Mumbai
2. SCERT Solan, Himachal Pradesh
3. Science Congress, Himachal Pradesh