


<b>Title</b>	<b>Lt. (DR)</b>	<b>First Name</b>	<b>JYOTI</b>	<b>Last Name</b>	<b>SINGH</b>	<b>Photograph</b>
<b>Designation</b>		<b>ASSISTANT PROFESSOR</b>				
<b>Address</b>		Department of Chemistry, Hansraj College, University of Delhi. Delhi 110 007				
<b>Phone No</b>	<b>Office</b>	011 – 2766 7548				
<b>Residence</b>		-				
<b>Mobile</b>		-				
<b>Email</b>		<a href="mailto:jyoti011@gmail.com">jyoti011@gmail.com</a> ; <a href="mailto:jyotisingh@hrc.du.ac.in">jyotisingh@hrc.du.ac.in</a>				
<b>Web-Page</b>						
<b>Educational Qualifications</b>						
<b>Degree</b>	<b>Institution</b>				<b>Year</b>	
<b>Ph.d</b>	Department of Chemistry, University of Delhi				<b>2012</b>	
<b>M.Sc (Chemistry)</b>	Ramjas College, University of Delhi				<b>2006</b>	
<b>B.Sc (H) Chemistry</b>	Ramjas College, University of Delhi				<b>2004</b>	
<b>B.Ed</b>	GGSIPU				<b>2007</b>	
<b>PRCN</b>	Officers Training Institute, Gwalior				<b>2018</b>	
<b>Career Profile</b>						
<ol style="list-style-type: none"> <li>1. Working as Assistant Professor in Department of Chemistry, Hansraj College, University of Delhi from December 2010 to till date.</li> <li>2. Worked as Assistant Professor (Ad-hoc) in Department of Chemistry, Kalindi College, University of Delhi from November 2009 to December 2010</li> </ol>						
<b>Administrative Assignments</b>						
<ol style="list-style-type: none"> <li>1. Associate NCC Officer NCC-SW (2022-2023)</li> <li>2. Member - Department Lab Staff Committee (2022-2023)</li> <li>3. Member - Department Instrumentation Committee (2022-2023)</li> <li>4. Member - Department Library Committee (2022-2023)</li> <li>5. Member - Student Welfare Committee (2022-2023)</li> <li>6. Teacher-in-Charge - Department of Chemistry (2021 -2022)</li> <li>7. Associate NCC Officer NCC-SW (2021-2022)</li> <li>8. Member – SC/ST Cell (2021-2022)</li> </ol>						

- 9. Member - Student Welfare Committee (2021-2022)**
- 10. Member - Department Lab Staff Committee (2021-2022)**
- 11. Associate NCC Officer(ANO) NCC-SW (2020-2021)**
- 12. Member – ICT enabling committee (2020-2021)**
- 13. Member – Student welfare Committee (2020-2021)**
- 14. Secretary – Department of Chemistry (2020-2021)**
- 15. Convener – Instrumentation, Department of Chemistry (2020-2021)**
- 16. Member – Library, Department of Chemistry (2020-2021)**
- 17. Associate NCC Officer(ANO) NCC-SW (2019-2020)**
- 18. Member - ICT enabling committee (2019 – 2020)**
- 19. Convener – Instrumentation, Department of Chemistry (2019-2020)**
- 20. Member – Library, Department of Chemistry (2019-2020)**
- 21. Admission Incharge – B.Sc (H) Anthropology (2018-2019)**
- 22. Associate NCC Officer(ANO) NCC-SW (2018-2019)**
- 23. Convener – Instrumentation, Department of Chemistry (2018-2019)**
- 24. Member – Library, Department of Chemistry (2018-2019)**
- 25. ANO, (Associate NCC officer) – NCC Girls (SW) unit of College since April 2018**
- 26. Convener – Instrumentation, Department of Chemistry (2017-2018)**
- 27. Convenor- NCC-SW (2017-2018)**
- 28. Member – Library, Department of Chemistry (2017-2018)**
- 29. Caretaker - NCC Girls Unit since June 2016 till March 2018, After this appointed as Associate NCC Officer**
- 30. Convener – SC/ST Cell (2016-2017)**
- 31. Convener – Chemical Society, Department of Chemistry (2016 – 2017)**
- 32. Member – Apparatus Store (2016 – 2017)**
- 33. Member – SC/ST Cell (2015-2016)**
- 34. Convener - Chemical Society, Department of Chemistry (2015-16)**
- 35. Member – Apparatus Store (2015 – 2016)**
- 36. Member – Garden Committee (2015-2016)**
- 37. Member - SC/ST Cell (2014-2015)**
- 38. Member – ECA (2014-2015)**

39. Member – English Debating Society (2014-2015)
40. Member – Canteen committee (2013-2014)
41. Member – Scrutiny Committee (2013-2014).
42. Member – Coordination Committee for submission of Forms (2013-2014).
43. Member – Canteen committee (2012-2013)
44. Convener – Library Committee, Department of Chemistry (2012-2013)
45. Member – Apparatus Store, Department of Chemistry (2012-2013)
46. Member – Apparatus Store, Department of Chemistry (2012-2013)
47. Member – Chemical Society, Department of Chemistry (2011-2012)

#### Areas of Interest / Specialization

Computational Chemisry, Molecular Modeling, Cheminformatics

#### Subjects Taught

Undergraduate level

1. B.Sc (H) Chemistry – Ist year, IInd Year, IIIrd Year
2. B.Sc (Life Science) - Ist year, IInd Year, IIIrd Year
3. B.Sc (Physical Sciences) - Ist year, IInd Year, IIIrd Year
4. B.Sc(H) Physics - Ist year

Topics undertaken

Gaseous State, Liquid State, Solid State, Ionic equilibrium, Chemical Thermodynamics, System of Variable Composition, Chemical Equilibrium, Solutions, Colligative Properties, Phase Equilibria, Surface Chemistry, Conducatnce, Chemical Kinetics, Molecular Spectroscopy, Molecular Modelling and Drug Design

#### Publications Profile

1. Sarita Singh, Jyoti Singh, Sunita Gulia, and Rita Kakkar, Metal Ion Selectivity of Kojate Complexes: A Theoretical Study *Journal of Theoretical Chemistry* Volume 2013, Article ID 342783, 9 pages.

2. Pragati Malik, Jyoti Singh and Rita Kakkar, A review on CdSe quantum dots in sensing, *Adv. Mat. Lett.* 2014, 5(11), 612-628.
3. Rakhi Thareja, Jyoti Singh, Rita Kakkar, Interaction of CdSe Quantum Dots with some aliphatic and aromatic diamines, *Journal of Integrated Science and Technology*, Vol 4, No 2 (2016).
4. Rakhi Thareja, Jyoti Singh, Rita Kakkar, Theoretical Studies of charged Cadmium Chalcogenides Quantum Dots doped with an isovalent impurity on the surface, National Conference in Chemistry – Environment and Harmonious development, *Conference Proceedings*, 7-8 April 2016. (ISBN: 97893858240).
5. Saini, Abhishek and Singh, Jyoti and Kumar, Sonu", Optically superior fluorescent probes for selective imaging of cells, tumors and reactive chemical species", *Org. Biomol. Chem.*, 2021, 19(24), 5208-5236.
6. Pragati Malik, Rakhi Thareja, Jyoti Singh, Rita Kakkar, II-VI core/shell quantum dots and doping with transition metal ions as a means of tuning the magnetoelectronic properties of CdS/ZnS core/shell QDs: A DFT study, *Journal of Molecular Graphics and Modelling*, 111, 2021, 108099.
7. Singh, Jyoti; Thareja Rakhi; Malik Pragati; Kakkar, Rita., Size-dependent structural and electronic properties of stoichiometric II–VI quantum dots and gas sensing ability of CdSe quantum dots: a DFT study, *Journal of Nanoparticle Research*, 24(22), 2022.

#### Book/Book Chapters

1. Rakhi Thareja, Jyoti Singh, Prerna Bansal. 2021 Computational tools in Cheminformatics, *Chemoinformatics and Bioinformatics in the Pharmaceutical Sciences*, Elsevier pg.105-137.
2. Rakhi Thareja, Pragati Malik, Prerna Bansal, Jyoti Singh, 2023. Multifaceted approach for nanofiber fabrication, *Fiber and Textile Engineering in Drug Delivery Systems*, Elsevier. pg. 253-283.

#### Conference Organization/ Presentations

- 1. Participated in National workshop on Role of Analytical Techniques in Industry held on 21-22 January 2010 organized by ISAS, Delhi Chapter and Kirori Mal College.**
- 2. Participated in 13<sup>th</sup> ISCB International Conference on Interplay of Chemical and Biological Sciences: Impact on Health and Environment organized by Department of Chemistry, University of Delhi from 26th Feb to 1st March.**
- 3. Participated in Workshop on Information Literacy & Competency organized by Delhi University Library System, University of Delhi on 23<sup>rd</sup> February, 2010.**
- 4. Participated in ICT workshop for Capacity Building of Delhi university Faculty organized by ILLL, University of Delhi from 16th April – 28th April , 2010**
- 5. Participated in National Workshop on Renewable Energy & Environment organized by Dept of Chemistry, Ramjas College on 28th - 29th January 2011.**
- 6. Participated in National workshop on Role of Analytical Techniques in Biological and Environmental Sciences held on 27-29 January 2011 organized by ISAS, Delhi Chapter and Kirori Mal College.**
- 7. Presented a Poster in International Symposium on Challenges in Drug Discovery Programme-2011 organized by Karnataka State Open University, Mysore in February 16 and 17 , 2011.**
- 8. Participated in Workshop on Information Literacy & Competency organized by Delhi University Library System, Univ of Delhi on 14th March, 2011.**
- 9. Participated in National Seminar on Alternative Energy Resources for sustainable Environment organised by Dept of Chemistry, Lingaya's University and ISAS, Delhi Chapter on 6th May, 2011.**
- 10. Organizing Member in DBT sponsored workshop on Relevance of Experimental chemistry to Biotechnology from March 12 to March 12, 2014 held at Department of Chemistry, Hansraj College.**
- 11. Participated in the Workshop on Electronic Structure, Atomistic and statistical Modeling in Chemistry, Materials and Life Sciences organized by Department of Chemistry, university of Delhi and Royal Society of Chemistry London and Schrodinger GmbH, Bangalore, India from 8<sup>th</sup> to 10<sup>th</sup> October 2014.**

- 12. Participated in MHRD funded “National Workshop on Role of Technical Terminology in Higher Education” (23-24 July, 2015) in Hansraj College, University of Delhi.**
- 13. Organizing Member in Indo-Portuguese Workshop on Emerging Trends of Nanotechnology in Chemistry and Biology organized by Department of Chemistry, Hansraj College and Deshbandhu College in association with CQM University of Madeira, Portugal from 12<sup>th</sup> to 13<sup>th</sup> February 2016.**
- 14. Organizing Member in the National Seminar on “Role of Analytical Sciences in Sustainable Development organized by Hansraj college and ISAS – DC Petrotech Society of India held at Hansraj College from 4 to 5<sup>th</sup> March 2016.**
- 15. Participated in Workshop on “Computer Aided Molecular Modeling and Drug Discovery organised by Department of Chemistry, St. Stephens College and Schrodinger GmbH, Bangalore from 25 July to 26<sup>th</sup> July 2016.**
- 16. Participated in the National Seminar on “Recent Innovations in Chemical Science and Environmental Technology” organized by Sri Aurobindo College, Univ of Delhi from 3<sup>rd</sup> to 4<sup>th</sup> March 2017.**
- 17. Resource Person for “One Day workshop on Chemical Laboratory Working Skills And Safety Education organized for Non Teaching Staff of Chemistry Staff organized by IQAC and Department of Chemistry on 17<sup>th</sup> July 2017”**
- 18. Guided DBT Project “Using generalized methods to obtain result of different wave function at corresponding energy levels (BASIC and Microsoft Excel)”.**
- 19. Guided DBT project “Design optimization of cost-effective automated conductivity cell”**
- 20. Resource person for DBT sponsored workshop on “Lab Analysis of Water Quality Parameters on 18<sup>th</sup> September 2017 in department of Chemistry, Hansraj College.**
- 21. Resource person in the INSPIRE Programme (DST) held at Hansraj College, University of Delhi from 12<sup>th</sup> December 2017 to 16<sup>th</sup> December 2017.**
- 22. Appointed Associate NCC officer (ANO) after completing three months training at NCC officers training institute at Gwalior from 15<sup>th</sup> Jan to 14<sup>th</sup> April 2018.**

- 23. Participated in “Emerging Trends and Advances in Chemical Sciences (ETACS) from 25<sup>th</sup> to 26<sup>th</sup> September 2018 organized by Chemistry Department, St Stephen’s College.**
- 24. Attended “Ek Bharat Shreshta Bharat Camp-Jaisalmer (Rajasthan) from 12<sup>th</sup> November to 23<sup>rd</sup> November 2018 organized by 7 Raj BN NCC, Bikaner(RAJ), Jodhpur Group, NCC DTE Rajasthan.**
- 25. Participated in Two week Faculty Development Programme on “Challenges before the academia in the era of Gadgets, E-communication and AI (interdisciplinary) from 15<sup>th</sup> to 28<sup>th</sup> December 2018 organized by Mahatma Hansraj Faculty Development Centre, Hansraj College.**
- 26. Member of Organizing Committee for 1<sup>st</sup> International Conference on Integrative Chemistry, Biology and Translational Medicine organized by Centre for Global Health, Hansraj College University & Loyola University Chicago Stritch School of Medicine, USA from 25<sup>th</sup> to 26<sup>th</sup> February 2019.**
- 27. Presented a Poster title “DFT Studies of CdSe Quantum Dots as sensor for Glucose” in the 1<sup>st</sup> International Conference on Integrative Chemistry, Biology and Translational Medicine organized by Centre for Global Health, Hansraj College University & Loyola University Chicago Stritch School of Medicine, USA from 25<sup>th</sup> to 26<sup>th</sup> February 2019.**
- 28. Participated in Two Days Faculty Development Programme on “Agriculture Health and Society “ from 15<sup>th</sup> to 16<sup>th</sup> March 2019 organized by Mahatma Hansraj Faculty Development Centre, Hansraj College.**
- 29. Successfully completed the online refresher Course in Chemistry for Higher Education Faculty offered by Sri Guru Teg Bahadur Khalsa College, Delhi through the online exam held on 30.3.2019.**
- 30. Participated in National Seminar on “ Blended learning in Chemistry” organized by Guru Angad Dev Teaching Learning Centre of MHRD,SGTBT Khalsa College, University of Delhi on 28<sup>th</sup> May 2019.**
- 31. Participated in one week Faculty Development Programme on “ICT in Education and Cyber Security” from 10<sup>th</sup> to 16<sup>th</sup> July 2019 organized by Mahatma Hansraj Faculty Development Centre, Hansraj College.**

- 32. Participated in syllabus revision of B.Sc (H) Chemistry as working group member.**
- 33. Resource Person for Workshop on “Hands on Training Programme for Laboratory Staff” held on 13<sup>th</sup> June and 15<sup>th</sup> June 2019 at Department of Chemistry, Hansraj College.**
- 34. Presented a Poster title “CdSe quantum dots as sensors for detection of various gas molecules” in the 2<sup>nd</sup> National conference on Science and Technology for rural development” held at Department of Chemistry, M.D. University, Rohtak on October 14-15, 2019.**
- 35. Participated in one day workshop on “Soft skill Development in New Age Teaching” on 19<sup>th</sup> October 2019 organized by Mahatma Hansraj Faculty Development Centre, Hansraj College.**
- 36. Resource person for the orientation Capsule on following topics: on 5<sup>th</sup> November 2019 at 1 Delhi Girls battalion, Kashmere Gate.**
- (i) Do’s & don’t of ANO**
  - (ii) Training in NCC**
- 37. Presented a Poster title “CdSe quantum dots as sensors for detection of various gas molecules” in the 2<sup>nd</sup> National conference on Science and Technology for rural development” held at Department of Chemistry, M.D. University, Rohtak on October 14-15, 2019.**
- 38. Participated in ACS workshop on “Greening our Education System: Initiatives for Propagating and Preaching Beyond Benign Concepts in Classrooms and Laboratories” held on 19<sup>th</sup> December 2019 at Conference Centre, University of Delhi by ACS International Student Chapter, University of Delhi, India, Green Chemistry Network Centre, University of Delhi & Hindu College, University of Delhi.**
- 39. Presented a Poster on the title “A DFT study of size dependent structural and electronic properties of stoichiometric ZnS, ZnSe and ZnTe quantum dots” in the 1<sup>st</sup> International Conference Of Indian Science Congress Association – Rohtak Chapter On “Science & Technology: Rural Development”(Icstrd-2020), 4<sup>th</sup> – 5<sup>th</sup> , March 2020 organized by The Department Of Chemistry, Maharshi Dayanand University, Rohtak-124001, Haryana.**



- 40. Participated in the Webinar on “Molecular Visualization Series 1 on Learning Chemistry through ODYSSEY Software” organised by Department of Chemistry, Hindu College in collaboration with Wavefunction Inc. USA and Neotel System and Services on 6<sup>th</sup> April 2020.**
- 41. Participated in Faculty Development Programme: National Webinar entitled “ICT enabled Higher Education in India: Challenges and Oppurtunities” organised by Guru Angad Dev Teaching Learning Centre of MHRD,SGTBT Khalsa College, University of Delhi on 13<sup>th</sup> April 2020.**
- 42. Participated in Faculty Development Programme: National Webinar entitled “Development of Higher Education in India: An overview” organised by Guru Angad Dev Teaching Learning Centre of MHRD,SGTBT Khalsa College, University of Delhi on 16<sup>th</sup> April 2020.**
- 43. Participated in One Day Webinar on “Teachers and Technology: The Road Ahead” organised by Mahatma Hansraj Faculty Development Centre, Hansraj College on 25<sup>th</sup> April 2020.**
- 44. Participated in Faculty Development Programme: National Webinar entitled “Roles of Teachers in Technology Driven Higher Education” organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi on 25<sup>th</sup> April 2020.**
- 45. Participated in Faculty Development Programme: National Webinar entitled “Development of Teacher’s e-kit - Chemistry” organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi on 27<sup>th</sup> April 2020.**
- 46. Participated in Faculty Development Programme: Motivational National Webinar entitled “Towards Excellence in Higher Education in India in the 21st Century: Challenges and Opportunities” organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi on 29<sup>th</sup> April 2020.**
- 47. Participated in One Day Webinar on “Leadership Role in Uncertain Times” organised by Mahatma Hansraj Faculty Development Centre, Hansraj College on 30<sup>th</sup> April 2020.**

- 48. Participated in Faculty Development Programme: Motivational National Webinar entitled “Challenges and Opportunities before Indian Higher Education due to Covid-19” organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi on 2<sup>nd</sup> May 2020.**
- 49. Participated in Faculty Development Programme: National Webinar entitled “Corona Pandemic and Economic Challenges in India” organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi on 4<sup>th</sup> April 2020.**
- 50. Organised as Convenor a one day Webinar on “Covid-19: Epidemiology, Virology, Clinical Features and Treatment” organised by Department of Chemistry, Hansraj College under DBT Star college scheme on 5<sup>th</sup> May 2020.**
- 51. Organised as Convenor a one day Webinar on “Low Pollution in India during Covid-19 Epidemic: Good News and Bad News” organised by Department of Chemistry, Hansraj College under DBT Star college scheme on 8<sup>th</sup> May 2020.**
- 52. Participated in Three Day Webinar on “Covid 19: Challenges and Road Ahead” organised by Mahatma Hansraj Faculty Development Centre, Hansraj College from 7<sup>th</sup> -9<sup>th</sup> May 2020.**
- 53. Participated in one Day Webinar on “Myths and Truths of fitness and corrective exercises for various body deformities” organised by Mahatma Hansraj Faculty Development Centre, Hansraj College from 12<sup>th</sup> -13<sup>th</sup> May 2020.**
- 54. Participated in Faculty Development Programme: National Webinar entitled “e-content development methodology: Four quadrant model, OERs and copyright issues” organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi on 15<sup>th</sup> May 2020.**
- 55. Participated and completed with grade “A+” One week Faculty Development Programme: National Webinar entitled “e-content development methodology: Four quadrant model, OERs and copyright issues” organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi on 21<sup>st</sup> -26<sup>th</sup> May 2020.**
- 56. Participated in One Day Webinar on Role of ICC and Prevention, Prohibition and Redressal of Sexual Harrassment of workmen at workplace on 22<sup>nd</sup> May 2020**

organized by Internal Complaints Committee in collaboration with IQAC, Hansraj College, University of Delhi, Delhi.

57. Participated in National Webinar entitled “e-content development methodology: Four quadrant model, OERs and copyright issues” organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi on 27<sup>th</sup> May 2020.
58. Participated in Faculty Development Programme: National Webinar entitled “Teaching During and Post Covid Times” organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi on 12<sup>th</sup> June 2020.
59. Participated in Webinar on “Basic documentation for teachers” organized by Hansraj College under the aegis of the UGC Paramarsh Scheme on 22<sup>nd</sup> June 2020.
60. Participated in National Webinar on “Linkedin – a goldmine of golden Opportunities – How to get leverage it to get what you want” on June 27<sup>th</sup> 2020 organized by IQAC of DAV Institute of Management, NIT Faridabad.
61. Successfully completed the the ARPIT Course for Career Advancement Scheme(CAS) promotion Online Refresher Course In Chemistry For Higher Education with a "A" Grade in the proctored examination held on 16.02.2020 organized by Sri Guru Tegh Bahadur Khalsa College, University of Delhi.
62. Participated in National Webinar on “ICT Enabled Science Education in India” organized by Telangana Academy of Sciences, Hyderabad, TS on June 28<sup>th</sup> 2020 in collaboration with Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi.
63. Participated and completed Two week “Faculty Development Programme on - Advanced Concepts on Developing MOOCs” organised by Ramanajun College, Teaching Learning Centre of MHRD, under PMMMNMTT on 2<sup>nd</sup> July – 17<sup>th</sup> July 2020.
64. Participated in Webinar on “Student Learning Centre: Objectives and Perspectives” being organised by Student Learning Centre (SLC), IQAC, Hansraj College on July 13, 2020.

- 65. Participated in International Virtual Conference on “Modern Instrument and Characterization Techniques in Applied Sciences – 2020 ( MICTAS- 2020) organized by MIET Kumaon Haldwani & Department of Chemistry, H.N.B Govt PG College, Khatima, Utrakhand in collaboration with USERC DST Dehradun & Department of Chemistry, R.H. Govt. PG College. Kashipur, Utrakhand ,India on July 5<sup>th</sup> -6<sup>th</sup> 2020 on e-platform.**
- 66. Secured Third Prize/Position (Rank) in the Oral Presentation in the one day National e-Conference on “Emerging Trends in Physical Sciences (NeETPS-2020) on 22<sup>nd</sup> July 2020 organized by Art, Science and Commerce Ramanandnagar (Burli), Tal-Palus, Dist-Sangli, Maharashtra, Affiliated to Shivaji University, Kolhapur.**
- 67. Participated in three day Webinar Series (Basic) on “Transforming Teaching Learning Process using ICT Tools” organized by IQAC, PGDAV College from 23<sup>rd</sup> July to 25<sup>th</sup> July 2020.**
- 68. Organizing Team Member for the event “Kargil Vijay Diwas” on 26<sup>th</sup> July 2020 organized by Delhi Directorate.**
- 69. Participated and completed Two week “Faculty Development Programme on – Managing online classes and co-creating MOOCs 3.0” organised by Ramanajun College, Teaching Learning Centre of MHRD, under PMMMMNMTT on 25<sup>th</sup> July – 10<sup>th</sup> August 2020.**
- 70. Participated in National Online Seminar on “Recent Trends in Material Research” organized by Department of Physics, Balwant College, Vita, affiliated to Shivaji University, Kolhapur on 29<sup>th</sup> July 2020 (certificate id: Y33JRU-CE000218).**
- 71. Participated in National Virtual Conference on “Recent Advances in Analytical Techniques – 2020 (RAAT-2020) on 16<sup>th</sup> -17<sup>th</sup> August 2020 organized by Department of Chemistry, Shri Varshney College, Aligarh & Uttarakhand Science Education and Research Centre (USERC), Department of Science and Technology, Dehradun and Department of Chemistry, Radhey Hari Govt, P G College, Kashipur, and Hemvati Nandan Bahuguna Govt P G College Khatima, Uttarakhand.**
- 72. Presented an Oral Presentation in the International E-Conference on “ Cutting Edge Smart Materials and Nanotechnology” organized by Department of Physics in**

**Collaboration with IQAC, Sadguru Gadage Maharaj College, Karad, Affiliated to Shivaji University, Kolhapur on 20<sup>th</sup> -21<sup>st</sup> August 2020.**

- 73. Participated in one day National e-Seminar on Recent advances in Chemical Sciences” on 29<sup>th</sup> August 2020 organized by Department of Chemistry and IQAC of Krishna Mahavidyalaya, Rethare Bk.**
- 74. Participated in three day Webinar Series (Professional) on “Transforming Teaching Learning Process using ICT Tools” organized by IQAC, PGDAV College from 28<sup>th</sup> August to 30<sup>th</sup> August 2020.**
- 75. Participated in One day National Webinar on “Promotional Avenues for Teachers in Higher Education: CAS Regulations- 2018” organized by organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTBT Khalsa College, University of Delhi on 5th September 2020.**
- 76. Participated in International workshop on “Computational Chemistry – Application to Odyssey and Spartan Software” on 30th September 2020 Organized by Dyal Singh College, University of Delhi.**
- 77. Participated and completed Two week “Faculty Development Programme on – Research Methodology” organised by Ramanajun College, Teaching Learning Centre of MHRD, under PMMMNMTT on 1st October to 15th October 2020.**
- 78. Participated in International online Workshop-cum-webinar entitled “Visual note taking” organized by Department of Chemistry in association with IQAC, Zakir Husain Delhi College, University of Delhi on 8th November 2020.**
- 79. Member for Organising "One Week (Online) Faculty Development Programme on “Roadmap for Building New India with New Education Policy” organised by IQAC, Hansraj College in collaboration with Mahatma Hansraj Faculty Development Centre, Hanraj College, PMMMNMTT on 21th July 2021 – 25 July 2021.**
- 80. Convener for Organising three days workshop on Laboratoy Skills, Chemical Hazards and Safety Measurements from 25 August to 27 August 2021 at Department of Chemistry, Hansraj College.**

1. Resource Person for “One Day workshop on Chemical Laboratory Working Skills And Safety Education organized for Non Teaching Staff of Chemistry Staff organized by IQAC and Department of Chemistry on 17th July 2017”
2. Resource person for DBT sponsored workshop on “Lab Analysis of Water Quality Parameters on 18th September 2017 in department of Chemistry, Hansraj College.
3. Resource person in the INSPIRE Programme (DST) held at Hansraj College, University of Delhi from 12th December 2017 to 16th December 2017.
4. Resource Person for Workshop on “Hands on Training Programme for Laboratory Staff” held on 13th June and 15th June 2019 at Department of Chemistry, Hansraj College.
5. Resource person for the orientation Capsule on following topics: on 5th November 2019 at 1 Delhi Girls battalion, Kashmere Gate. (i) Do’s & don’t of ANO (ii) Training in NCC
6. Resource Person of Project – UDAAN – an initiative of CBSE to provide free online lectures to girls students of class -XI and class- XII from humble background (2016-2017)
7. Resource Person for the Two Days Workshop on ICT Tools for Chemistry Laboratory Staff on 6th and 7th October 2021.
8. Links for online Lectures (available on youtube <https://www.youtube.com/watch?v=ZpL-mNEj3C0&t=7s>; <https://www.youtube.com/watch?v=9aTdhFEmnf0&t=6s>; <https://www.youtube.com/watch?v=QL0cyjS7h9A&t=26s>; <https://www.youtube.com/watch?v=phA-yhYNltE&t=169s>).

#### Association With Professional Bodies

1. Life Long Member of Indian Society of Analytical Scientists (ISAS) – Delhi Chapter (LM-14).
2. Life Member of Green Chemistry Network Centre.

#### Other Activities

- 1. Successfully Completed UGC sponsored Orientation Course organized during 10.11.2014 to 5.12.2014 from Academic Staff College, JNU**
- 2. Successfully Completed UGC sponsored Refresher Course in Chemistry organized by CPDHE at Department of Chemistry, University of Delhi from 26th June 2015 to 16th July 2015.**
- 3. Resource Person of Project – UDAAN – an initiative of CBSE to provide free online lectures to girls students of class -XI and class- XII from humble background (2016-2017)-available on youtube.**
- 4. Academic Councilor – B.Sc (Life Science), IGNOU since 2018.**
- 5. Appointed Associate NCC officer (ANO) after completing three months training at NCC officers training institute at Gwalior from 15th Jan to 14th April 2018.**
- 6. Secured Third Prize/Position (Rank) in the Oral Presentation in the one day National e-Conference on “Emerging Trends in Physical Sciences (NeETPS-2020) on 22nd July 2020 organized by Art, Science and Commerce Ramanandnagar (Burli), Tal-Palus, Dist-Sangli, Maharashtra, Affiliated to Shivaji University, Kolhapur.**



**Dr Jyoti Singh**  
**Associate Professor**  
**Department of Chemistry**  
**Hansraj College**  
**University of Delhi**