

## RESUME OF Dr. MANJULA SPAH



**NAME** : **MANJULA SPAH**  
**Date of Birth** : **Sept. 20, 1968 in INDIA**  
**Present Designation** : **Principal**  
**Address** : **G.V.M. Girls College, Sonapat, Haryana - 131 001**  
**Contact Details** : **Email ID - [manju\\_dc@yahoo.com](mailto:manju_dc@yahoo.com)**  
**Cell phone no. - +91 94674 83909**  
**Academic Qualifications** : **M. Sc. (1989), M. Phil. (1990), Ph. D. (1996)**  
**Title of M. Phil. Thesis** : **Thermodynamics of Binary Mixtures of Non-Electrolytes**  
**Title of Ph. D. Thesis** : **Some studies in ion-solvent interactions**  
**Teaching Experience** : **33+ years**  
**Research Experience** : **35+ years**  
**Research Interests** : **Solution Chemistry, Electro-ceramics, Water Analysis, Environmental Pollution**

### **Number of Research Paper Published: 14 in International Journals**

1. Thermodynamic studies on corrosion inhibition of aqueous solutions of amino/carboxylic acids toward copper by EMF measurement. **Manjula Spah**, Dal Chand Spah, Jin-Won Park, *Corrosion Science*, 51 (2009) 1293-1298 (**I. F. 7.2**) ISSN: 0010-938X.
2. Synthesis and dielectric properties of substituted barium titanate ceramics. Parveen kumar, Sangeeta Singh, **Manjula Spah**, J.K. Juneja, Chandra Prakash, K. K. Raina, *Journal of Alloys and Compounds*, 489 (2010) 59-63 (**I. F. 6.731**) ISSN: 0925-8388.
3. Thermodynamic determination of solvation potentials of various metal chlorides by (1, 4-dioxane + water) mixtures through EMF measurements. **Manjula Spah**, Dal Chand Spah, Sooyoung Jun, Seungmoon Lee, Ho-Jun

- Song, Won-Gun Koh, Jin-Won Park, *Fluid Phase Equilibria*, 279 (2009) 17-27 (**I. F. 2.838**). ISSN: 0387-3812.
4. Thermodynamic determination of solvation potentials of divalent metal chlorides (MCl<sub>2</sub>) in iso-dielectric media by EMF measurements. **Manjula Spah**, Dal Chand Spah, Joon ho Lee, Ho-Jun Song, Jin-Won Park, *Journal of Chemical Thermodynamics*, 41 (2009) 598-603 (**I. F. 3.178**) ISSN: 0021-9614.
  5. Thermodynamic transfer study of various metal chlorides from water to formamide and dimethylformamide by EMF measurements. **Manjula Spah**, Dal Chand Spah, Jong-Jin Park, Ho-Jun Song, Kwinam Park, Jin-Won Park, *Fluid Phase Equilibria*, 272 (2008) 75-83 (**I. F. 2.838**) ISSN: 0387-3812.
  6. Excess Molar Gibb's Free Energies of (1, 2- dibromoethane+ an aromatic Hydrocarbon) at 308.15K, K.C. Kalra, K.C. Singh, **Manjula Soni** and D.C. Spah, *Journal of Chemical Thermodynamics*, 22 (1990) 771-775 (**I.F.3.178**) ISSN: 0021-9614
  7. Excess volume of mixing and excess enthalpies of mixing of n-butyl chloride with aromatic hydrocarbons at 298.15 K. K.C. Singh, K. C. Kalra, P. Kumar and **Manjula Soni**, *Thermochimica Acta*, 182 (1991) 57-66 (**I.F. 3.115**) ISSN: 0040-6031.
  8. Effect of solvents on the corrosion inhibition of copper by 1, 2,3-benzotriazole. **Manjula Spah**, Dal Chand Spah, Krishan Chander Singh, Vibha Gupta, Ho-Jun Song, Jin-Won Park, *Journal of Solution Chemistry*, 37 (2008) 1197-1206 (**I. F. 1.84**) ISSN: 0021-891X.
  9. Solvation behaviour of cupric chloride in non-aqueous solvent. P. P. Singh, **Manjula Soni**, Sanjeev Maken. *Indian J. Chemistry*, 31A (1992) 227 - 231 (**I.F.0.491**) ISSN:0376-4710
  10. Solvation behaviour of Cu (II) chloride in some isoelectric media. P. P. Singh, **Manjula Soni**. *Indian J. Chemistry*, 32A (1993) 837 -841 (**I.F.0.491**) ISSN: 0376-4710.
  11. Review of patents on recently used technologies for waste water treatment Reena Malik, **Manjula Spah** and D. C. Spah, *International Journal of Environmental Sciences*, 4 (2), (2013) 115-120, ISSN: 2229-7356.
  12. Review of work on waste water treatment by eminent researchers. Reena Malik, **Manjula Spah** and D. C. Spah, *International Journal of Environment & Development*, 10(2), (2013) 159-168: ISBN: 0973-3574
  13. Removal of effulents (BOD,COD,TSS,TN,TP,FC) by using various treatment technologies, **Manjula Spah**, Reena Malik , Pooja jain published in **Proceedings of National Seminar Approved by: Directorate of Higher Education, Haryana (SCIENCE,TECHNOLOGY & INNOVATION EFFORTS TO ADDRESS COVID-19** , Page no. 52, **ISBN:978-81-955611-7-9**
  14. Impact of new education policy on employability by **Manjula Spah**, pooja jain has been published in **Souvenir of One Day Multidisciplinary National**

Seminar on “ A Roadmap for The Entrepreneurship: National Education Policy 2020” ( ARENEP2020) on page no. 68, ISBN: 978-81-958657-0-3

**Awards & Research Projects:**

1. A major Research Project on “Studies on Calcium substituted Barium Ceramics” was awarded by the Defense Research and Development Organization (DRDO) Govt. of India, New Delhi, In June 2006
2. A Research Project under (COSSIP-Scheme) was awarded on the topic “Water and soil analysis” by University Grants Commission (UGC), New Delhi in year 2002
3. A Senior Research Fellowship (SRF) awarded in 1992 by Council of Scientific and Industrial Research, New Delhi.
4. Nominated as Member of Evaluation Committee of State Science Essay Writing competition for school students for the year 2015-16.
5. Guided one student for her Ph.D. Degree and was awarded degree in 2014
6. Worked as an expert for consecutive two years (2010&2011) for District Level Science Essay Writing Competition Sponsored by Haryana State Council for Science & Technology, Govt. of Haryana and Conducted by Tau Devi Lal Govt. College For Women Murthal, Sonipat
7. Received Certificate of appreciation for distinguished services in General Health Check-up camp organized by All India Women Welfare Cell held at G.V.M.Girls College, Sonipat(Haryana) from 11<sup>th</sup> – 14<sup>th</sup> Nov., 2005
8. University Grants Commission sanctioned a grant of Rs. One lac to the Chemistry department of the College with Potential for Excellence for the celebration of 2011 as the “International year of Chemistry” (29 Jan, 2011).
9. A grant of 50 thousand was sanctioned under UBA scheme for house hold survey of adopted villages.

**Foreign Assignments:**

1. Worked as **Associate Professor** in Department of Chemistry, **Yonsei University, Seoul (South Korea)** for two years since March 2008.( Appointment letter Annex.)
2. Visited Japan in Nov., 2002 to Present a research Paper in an **International Conference** organized by **Kyusu University, Japan**

### **Book Published:**

1. Published a Book of Chemistry for undergraduate students of all universities of Haryana by the title **“A TEXT BOOK ON PHYSICAL CHEMISTRY VOL1”** . ISBN No. is – **978 -95 - 85795 – 33 -6**. year of Publication 2015
2. Published another Book of Chemistry for undergraduate students of all universities of Haryana by the title **“A TEXT BOOK ON PHYSICAL CHEMISTRY VOLIII”** . ISBN No. is **978 -93 – 85795 – 72 - 5** year of Publication 2016
3. **“ A TEXT BOOK ON PHYSICAL CHEMISTRY VOLII”** is in press
4. Text Book of Physical Chemistry Vol. 2 ISBN: "978-93-86706-54-6"  
National Publisher: A. S. Prakashan, Meerut

### **Achievements at Work Place:**

1. **Working as Nodal Officer of College for “ All India Survey for Higher Education” AISHE under HRD Ministry since March 2012.**
2. **Working as Convener of Legal Literacy Cell since July 2014 till date and under my convener ship many students won prizes at state level and zonal level. In 2014-2015 our students won a cash prize of Rs 45,000/- and In 2015-16 they won cash prize of Approx. Rs 2,00,000/- ( Details of Activities and Prizes in Annex.)**
3. **Officiated as Dean of Science Faculty for consecutive two years 2013 – 14 and 2014- 2015.**
4. **In my guidance as dean of Science Faculty, our college won First Prize In State Science Exhibition in Chemistry and Botany in year 2013-2014 and in Chemistry only in year 2014- 15 . In State Science quiz students under my convener ship won 3<sup>rd</sup> prize and prize money is 60,000/- in 2013 -14. In 2014 – 15 bagged 2<sup>nd</sup> position for the same and prize money was 80,000/-. Many more prizes were won by the students. ( report annex.)**
5. **Worked as Co-ordinator women cell and attended two seminars regarding women’s issues and organized various activities.**

### **Achievements after Joining Principal Post:**

- **Achieved certificate of appreciation from CEO/AC AD Space for fostering and nurturing educational environment and for her commitment to academic excellence.**

- Received the appreciation from Indian Red Cross Society and St. John Ambulance (India) Distt. Branch Sonipat for successfully organizing the District Level Youth Red Cross Training Camp from 01.03.2024 to 06.03.2024.
- Appointed a member of University NSS Advisory Committee for two years i.e. till 31.03.2026.
- Participated as delegate in one day National Seminar on “World Intellectual Property Day” sponsored by Haryana State Council for Science Innovation and Technology organized by Centre for IPR Studies in collaboration with M.D. University, Rohtak on 26.04.2024.
- Participated in one day Workshop on “Thrust Areas of NEP Implementation in colleges” held on 04.05.2024 organized by faculty development centre, MMTC and IQAC in collaboration with centre for curricular design and development, M.D. University, Rohtak.
- Attended and took active participation in the ‘Principal’s Meet 2024’ at CIPET: IPT-Murthal on 10.05.2024.
- Certificate of Appreciation awarded to the Principal for her exemplary commitment to fostering creativity and artistic expression among students by conducting inspiring art workshop in the institution.
- Attended University level NSS Advisory Committee meeting on 21.08.2024 with great enthusiasm. She got admired for her valuable inputs.
- Planned and coordinated Digital Marketing Workshop for five days from 15 to 19.07.2024 organized by MSME.
- Participated in the meeting and press conference on NEP-2020 held on 03.01.2025 in Pt. NRS Govt. College, Rohtak.
- Received an Appreciation letter for her Exemplary contribution in organizing the blood donation camp on 23.03.2025, held on the occasion of Shaheedi Diwas at GVMGC, Sonipat organized by Crime Control and Human Rights ORG.
- Participated as delegate in the DGHE, Haryana approved Two day International Conference on “National Service Scheme: Role of Youth and Educational Institutions” organized on March 25-26, 2025 and presented a paper entitled ‘NSS: The Real-World classroom for Building Life Skills’.
- Participated in the Multi-Disciplinary National Conference on “Role of NSS in Nation Building: Challenges and Opportunities” held at S.D.(PG) College, Panipat (Haryana) on 29.03.2025, She chaired the session and presented a research paper.
- Awarded a certificate of Achievement by Rotary Club, Sonipat for her dedicated support during the awareness camp on World Cancer Day and Organ Donation organized on 01.02.2025 at GVMGC, Sonipat.
- Received and Appreciation Certificate for her valuable inputs and active involvement in the meeting for selection of best program officers and best NSS volunteers at University level at M.D. University, Rohtak on 07.02.2025.

- Participated and presented a research paper in Two day International Conference on “National Service Scheme: Role of Youth and educational Institutions” organized by Manohar Memorial College, Fatehabad on 25-26.03.2025.
- Nominated as the member of Advisory Committee of University Outreach Program for the session 2024-26.
- Acted as a member of Result compiling committee of Zonal Youth Festival-2024.
- Nominated as the member of Advisory Board constituted for the smooth organization of the 43<sup>rd</sup> Inter-Zonal Youth festival-2024.
- Awarded Harbinger of humanity award as the token of appreciation for her active participation in conducting the International Humanity Olympiad (under the aegis of Satyug Darshan Trust Regd.)
- Acadspace, Certificate of Association awarded a Certificate of Appreciation to her for her commitment to academic excellence and collaboration of GVM with (Acadsapce).
- Received and Appreciation letter from District Civil Hospital for her contribution in supporting TB patients and request for future partnerships.
- Arranged and convened six days Employability Skills and Training Workshop in association with Nandi Foundation from 7.01.2025 to 12.01.2025.
- The Principal successfully organized University Level NSS Camp from 20-26.01.2025 sponsored by DGEH, Haryana.
- Principal in continuing with her innovative practices to promote interpersonal relationships, arranged and executed the visits of members of the teaching staff of different departments to interact with senior students of various schools in and around Sonipat this exercise was really fruitful.

### **Co- Ordinated and Organized the Conferences/ seminars/ other activities:**

1. **Coordinated** one day **National Seminar** on “Managing Chemistry for Better Life” Sponsored by Director of Higher Education, Haryana and organized by GVM Girls College, Sonipat (March 28<sup>th</sup> , 2016)
2. **Organized one day Road Safety Awareness campaign on 26.07.2016 under the title "One Life" as directed by Haryana State Legal Services Authority, Sonapat.**
3. **Organized a Special Legal Literacy camp for officials at grass Root level on 27.10.2016** in GVM Girls College Sonipat.
4. Convener of 'Students Legal Literacy Mission 2016' and Annual function organized by Haryana State Legal Authorities on 18.09.2016.
5. Conducted a Science Quiz as a "Quiz Master" of Sonapat District on 20.09.2016 sponsored by **Haryana State Council for Science and Technology**

6. **Organized** Science Essay Writing competition for college students for the year 2016-17 on 22.10.2016 in G.V.M. Girls College, Sonapat sponsored by **Haryana State Council for Science and Technology.**
7. **Organized** the State Science Quiz competition for college students for the year 2014-15 on 22.01.2015 in G.V.M. Girls College, Sonapat sponsored by **Haryana State Council for Science and Technology..**
8. **Organized** a Zonal Science Quiz competition for 2016-17 for college students in G.V.M. Girls College, Sonapat sponsored by Haryana State Council for Science and Technology.
9. **Organized** State Science Quiz competition for school students for the year 2014-15 in G.V.M. Girls College, Sonapat.
10. **Co-ordinated** State Science Essay Writing competition for college students for the year 2014-2015 in G.V.M. Girls College, Sonapat sponsored by **Haryana State Council for Science and Technology.**
11. **Organized state level Competitions like Power point presentation, on the spot poster making competition and declamation contest on topics related to Chemistry on 29<sup>th</sup> August, 2011 and another State competition on 28<sup>th</sup> Sept., 2013.**
12. **Coordinated** a two days **National Conference** on “Green Technologies for Green Environment” which was sponsored by DRDO, New Delhi and organized by GVM Girls College, Sonipat, Haryana (Feb. 18-19, 2013).
13. **Coordinated** one day **National Seminar** on “Chemistry : Our life our future” Sponsored by Director of Higher Education, Haryana and organized by GVM Girls College, Sonipat (March12, 2012)

### **Presentations at International Level:**

1. Presented a Paper entitled “**A fuel for Modern Era: Green Hydrogen Economy**” in **two days International Conference** on “**Advances In Science And Technology in 21<sup>st</sup> CenturyICAST-22**” Organized by the department of Science, Markanda National college, Shahabad Markanda on Feb. 26-27, 2022
2. Presented a research paper in an **International Conference** on the “**Role of Science in the Psychological Rehabilitation for the Children with disability in Indian Set up**” in the 28<sup>th</sup> psychological Rehabilitation conference organized by **Human Environment Studies in Kyushu university, Fukuoka, Japan** on 9<sup>th</sup> and 10<sup>th</sup> November, 2002
3. **Presented a paper entitled 'A review on the Antioxidant used for Polyolefins'** in the 'Ist International Conference of Indian Science Congress Association Rohtak Chapter '**Science and Technology: Rural Development**' held at **Department of Chemistry, M.D.U., Rohtak** on March 4-5, 2020.
4. Awarded Certificate of Appreciation for outstanding contribution, coordination and participation during the **Global Student Solar Ambassadors Workshops**

- organized on 2<sup>nd</sup> Oct. 2019.**
5. **Presented a Poster in International Conference** on “Recent Advances in Chemical Sciences” on the topic- **“Centralized and Decentralized Techniques of Wastewater Management: A comparison and Novelty of ideas in Developing Countries”**, sponsored by DG, Higher Education Haryana and organized by Department of Chemistry, Arya P. G. College Panipat, Haryana (Feb. 24-26, 2013).
  6. **Presented a Poster on the “Emerging Contaminants in Water”** in an **International Conference on “Green Technologies for Environment Rehabilitation”** in Gurukul Kangri University, Haridwar (UK) from 11<sup>th</sup>-13<sup>th</sup> Feb., 2012.
  7. Participated in the International Webinar **“Challenges and Opportunities in Canada or Pharmacy graduates”** organized by Department of Pharmacy, Jagannath University, Bahadurgarh on 29<sup>th</sup> April, 2022
  8. Attended the **International conference on “Times Higher Education BRICS & Emerging Economics Education Summit”** organized by O.P. Jindal University, Sonipat on 3- 4 December 2015

#### **Presentations at National Level:**

1. Presented a paper entitled **“Comparative analysis between NPE2020 and National policy of Education 1986”** in One Day Inter Disciplinary National Seminar approved by Department of Higher Education, Haryana on the topic **“ The National Education Policy of India: Opportunities and Challenges”** on March 31<sup>st</sup> ,2023.
2. Presented a paper in one day National Seminar in **“Science Innovation & Technology Efforts to Address Covid-19”** entitled **“Removal of Effluents by using various Treatment Technologies”** on March 30, 2022 organized by Science Faculty of Sanatan Dharma College, Ambala Cantt in Collaboration with Department of Higher Education, Panchkula, Haryana
3. Presented a poster on **‘Best Practice for Recycling of E-Waste’ in National Conference on “Science and Technology: Rural Development** ‘on Feb. 15-16, 2020 Hosted by Gurukul Kangri Vishwavidyalaya, Haridwar (UK).
4. **Co-ordinator for a National Level workshop on “Hands on Training in Solar Study Lamps assembly”** in association with Ministry of New and Renewable energy and IIT Bombay on 2<sup>nd</sup> Oct. 2019.
5. **Presented paper on the topic: "Quenching the thirst for clean, safe water"** in the National Seminar on **'Role of Science, Technology and Management for Employment Generation in India'** sponsored by DGHE (Haryana) organized by **Deptt. of Chemistry and Economics, GGSDS College, Palwal** on 06.10.2018
6. Presented a poster in National Conference **On Recent Advances in Chemical Sciences -2018**, organized by Department of Chemistry, MDU, Rohtak on **March 7, 2018.**

7. Presented a research paper in the National Seminar on “Emerging **Trends in Chemistry (NSETC-2014) on 12 -13 March 2014** organized by Chemistry Department, All India Jat Heroes memorial college, Rohtak, UGC sponsored
8. Presented a poster in two days “**National Symposium on Electroceramics Materials and Devices**” organized by GVM Girls College Sonipat in association with **Material Research Society of India (MRSI) – Delhi Chapter** division 21-22<sup>nd</sup> Feb. 2014
9. Presented a Poster in National Conference on “**Advanced Scientific Developments in Chemical Sciences – 2014**” (ASDCS – 14) organized by Department of Chemistry, **Deenbandhu Chhotu Ram University of Science and Technology, Murthal** , India on 14<sup>th</sup> March 2014
10. Presented a Research Paper in **National Conference** on “**Advances in Chemical Sciences (ACS-2013)**” under the **Auspices of Indian Society of Analytical Scientists – Delhi Chapter (ISAS- DC)** and organized by Department of Chemistry, **Maharshi Dayanand University, Rohtak, Haryana (March 1-2, 2013)**.
11. Presented a Research Paper in **National Conference** on “Green Technologies for Green Environment” on the topic- “PPCPs, PFCs, POPs as Emerging Water Contaminants” **sponsored by DRDO, New Delhi** and organized by GVM Girls College, Sonipat, Haryana (Feb. 18-19, 2013).
12. Presented a Poster in **National Conference** on “Green Technologies for green Environment” on the topic- “**Pharmaceutical and Personal care products- as Water Pollutants**” sponsored by DRDO, New Delhi and organized by GVM Girls College, Sonipat, Haryana (Feb. 18-19, 2013).
13. Presented a Research Paper in 6<sup>th</sup> **National Conference** on “**Thermodynamics of Chemical and Biological Systems (NCTCBS-2011)**”, 2011 in from 2<sup>nd</sup> to 4<sup>th</sup> November M.D. University, Rohtak
14. Presented a Research paper in **National Seminar** on ‘Recent Advances in Bio-Sciences’ organized by Science faculty, G.V.M. Girls College, Sonipat on 10<sup>th</sup>-11<sup>th</sup> Feb., 2006.
15. Awarded a Certificate of Appreciation by ALL INDIA WOMEN WELFARE CELL for distinguished services in general health checkup camp organized at GVM Girls College Sonipat from 11<sup>th</sup> to 14<sup>th</sup> Nov. 2005.
16. राष्ट्रीय भौतिक प्रयोगशाला सभागार, समीप पूसा गेट, नई दिल्ली में एक ‘**तृतीय अखिल भारतीय विज्ञान सम्मेलन**’ में दिनांक 21 फरवरी, 2004 को सक्रिय सहभागिता को रेखांकित किया और शोधपत्र भी सफलतापूर्वक प्रस्तुत किया।
17. Attended an online interactive session addressed by **UGC Chairperson** regarding **Interuniversity Centers to connect with stakeholders** on 24<sup>th</sup> May 2022.
18. Attended an online **National Webinar** on, “**Quality Enhancement Strategies in Higher Education**” organized by Internal quality assurance cell, GVM Girls College, Sonipat on April 30, 2022.
19. Attended online one day National workshop on “**Providing Urban Amenities to Rural Areas – An Initiation of Designing UBA Smart Villages**” held on

- 14.12.2021, organized by UBA- Sairam Institutions in association with RCI, UBA – IIT Madras
20. Attended Online **National Conclave** on “**UBA Institutes of Himachal Pradesh and Uttarakhand: Discussing the Rural Issues and Roadmaps**” organized by Indian Institute of Management Sirmour on 06.12.21
  21. Attended one day workshop on **All India Survey on Higher Education (AISHE)** on 26.11.2021 at Gurugram university
  22. Participated in one day **National webinar** on, “**E-Learning, MOOC’s and Copyright Issues**” jointly organized by SGTB Khalsa College, University of Delhi & Hindu College, Sonipat on Nov.5, 2020.
  23. **Participated in Two Days Online Workshop on 'Mechanism for Rural Good Through UBA' organized by NIT Kurukshetra under Unnat Bharat Abhiyan (UBA) on 28-29 August, 2020.**
  24. **Participated in one day Workshop on "NAAC Awareness for the Principals and Nodal Officers of Govt./Aided Colleges"** held at Kurukshetra University, Kurukshetra on 11.August2019.
  25. Attended one day program for” **Orientation of participating institutes to Initiate Work in Adopted Village Clusters**” on Nov 29<sup>th</sup>, 2018 at IIT Delhi.
  26. **Participated in one day Workshop** on "All India Survey on Higher Education" conducted by AISHE cell of M.D.U., Rohtak under the auspices of AISHE **State Unit Haryana on 17<sup>th</sup> March,2017.**
  27. Attended **Workshop** on '**Internet Addiction - Stress/Emotional Intelligence among Youth**' organized by Deptt. of Psychology, G.V.M. Girls College, Sonapat sponsored by DGHE on 29<sup>th</sup> March, 2016
  28. Attended a **Workshop** on 'All India Survey in Higher Education' **organized by DGHE and M.D. University, Rohtak** at Rohtak on 20<sup>th</sup> Nov, 2015.
  29. Participated actively in Brainstorming Session on “**MOOCs : Scope, Development and Delivery**” organized by CEC, New Delhi
  30. Attended National Seminar on “**Eco – friendly Environment**” **organized by Department of Botany and Sponsored** by DGHE, Panchkula on March 12, 2013.
  31. **Attended** a two days’ workshop on “**Recent Analytical Developments in Applied Sciences**” organized by **Central Instrumentation Laboratory, Deen Bandhu Chhotu Ram University of Science & Technology, Murthal, Haryana** (August 13-14, 2012).
  32. जी०वी०एम० कन्या महाविद्यालय, सोनीपत के हिन्दी विभाग द्वारा एक राष्ट्रीय संगोष्ठी विषय '21 वीं सदी : कथा साहित्य के बदलते मानदण्ड' में दिनांक 21–22 मार्च 2012 को एक संगोष्ठी में में भाग लिया।
  33. Attended a National seminar on **Chemistry: our Life Our Future on March 12, 2012** organized by Chemistry Dept. GVM Girls College, Sonipat sponsored by DGHE, Panchkula
  34. Attended two days **UGC Sponsored National Workshop cum Seminar** on “**Human Rights Education- A Proper Perspective**” Organized by Social Sciences Faculty, G.V.M., Girls College Sonipat, Haryana on 9<sup>th</sup> -10<sup>th</sup> December, 2011

35. Participated in One-day **National Workshop on Recent Trends in Chemistry-2011** organized by department of Chemistry, Deen “banddhu Chhotu Ram University of Science and Technology on 29<sup>th</sup> September, 2011.
36. Attended National workshop on “**Environment and pollution awareness**” held on 20<sup>th</sup> March, 2010 **sponsored by DGHE, Panchkula.**
37. Attended a National Seminar on “**Structural challenges in Current Scenario in Business Environment in India** “from 8<sup>th</sup> Jan. To 10<sup>th</sup> Jan. 2010 sponsored by DGHE, Panchkula
38. Participated in two days National Level Workshop on “**Spectroscopic Techniques**” N.C. College, Israna, Panipat on 5<sup>th</sup> and 6<sup>th</sup> August, 2004.
39. Participated in one Day Workshop on “**Environment and Pollution Awareness**” Sponsored by All India Council for Technical Education and Organized by G.V.M. Girls College, An Institute of Technology on 4<sup>th</sup> Sept., 2004.

#### **Invited lectures/Resource person etc.**

- 1) Invited to Judge **Science Exhibition** in Desh Bandhu Gupta Govt. College, Panipat on 24<sup>th</sup> Jan. 2018
- 2) **Nominated as member of Evaluation Committee** of State Science essay writing competition By Haryana state science Council for Science and Technology in session 2015-16
- 3) **Nominated as Associate Science Quiz Master** to conduct State Science Quiz by Haryana state science Council for Science and Information Technology in the session 2018-19
- 4) **Nominated science quiz master by HSCST Panchkula and conducted zonal and state level science quizzes for academic sessions: 2018-19.**
- 5) Invited as **Expert for Science Essay writing competition for colleges** on 17.09.2010 by **Tau Devi Lal Govt. College for Women Murthal organized by HSCST**
- 6) Invited as **Expert for District Science Essay Writing competition for colleges** on 09.09.2011 by **Tau Devi Lal Govt. College for Women Murthal organized by HSCST**
- 7) Invited as **Subject Expert for the Interview of Extension lecturer** in Chemistry on 22/8/2013 **in Govt. College for Women Murthal.**
- 8) Invited as **Subject Expert for the Interview of Assistant Professor** in Chemistry (Self Finance) on 17/11/2016 in Hindu Girls College Sonipat.
- 9) **Chaired Technical session entitled “Sciences of Engineering” in National Conference on Emerging Trends in Engineering and Sciences” (ETES-2013)** organized by Department of Mechanical Engineering Gurukul Kangri University, Haridwar, India in November, 2013.
- 10) Invited to Conduct M.Sc. Chemistry practical exams by **Gurukul Kangri University Haridwar, UK** on 08.11.2013.
- 11) Invited by **Gurukul Kangri University Haridwar, UK** to set a **question paper for B.Sc. final class** in Oct-2014.

12) Invited by BPSM, Khanpur University to conduct practical exams and for question paper set.

**Dr. Manjula Spah,**

Associate Prof.& Head - Department of Chemistry

GVM Girls College, Sonipat – 131001, Haryana

Telephone No.- 0130-2234963 (O)

Mobile-94674-83909

Email ID- [manju\\_dc@yahoo.com](mailto:manju_dc@yahoo.com)