



BIO- DATA

1. Name Dr. Sunita lega
2. Husband's Name Dr. Sushil Lega
3. Father's Name Dr. Hans Raj
4. Date of Birth Dr. Hans Raj
5. Permanent Address 14/1, Jawahar Nagar, Hisar
6. Contact No. 09255184545
7. E-mail Address legasunita@gmail.com

8. Education Qualification:

Exam Pass	Board/University	Year of Passing	Marks Obtained	Max. Marks	%age
Matric	BOSE Haryana	1990	424	600	70.6
10+2	CBSE	1992	285	500	57.0
B.Sc.	KUK	1995	870	1450	60.0
M.Sc.	CCS HAU, Hisar	1998	3.45 Grade	4.00 Grade	79.0
Ph.D	CCS HAU, Hisar	2002	3.72 Grade	4.00 Grade	84.4

Subject of Ph.D : Stability Constant of binary, ternary and quaternary complexes of some bivalent transition elements with ligands containing O and N donor atom.

9. Experience:

Name of Employer with Address	Post held	Period	Duration	Nature of Duty	Regular/ Adhoc
CCSHAU	SRF	12.09.2001 to 17.06.2002	8 months	Research	Adhoc
CCSHAU	SRF	17.02.2002 to 12.09.2002	4 months	Research	Adhoc
CCSHAU	SRF	30.12.2002 to 7.09.2003	8 months	Research	Adhoc
JCD Vidyapeeth Sirsa	Lecturer (Senior Scale)	8.09.2003 to 31.07.2008	5 year 10 months	Teaching	Regular
Dayanand College Hisar	Asstt. Prof.	31.07.2008 to till date	15 years	Teaching	Regular

Total Research Experience : 1 Year 8 Months

Total Teaching Experience : 20 Years

Other Experience:

- ❖ Worked as Teacher-In-charge of JCD college of Pharmacy, Sirsa from 18th June 2004 to 27th June 2005.
- ❖ Act as Coordinator in National Seminar on 'Environment Degradation: Issues and Remedies' held at Dayanand College, Hisar on February 11, 2011.
- ❖ Act as Secretary, in National Seminar on 'Environment Degradation: Issues and Remedies' held at Dayanand College, Hisar on February 28, 2012.

- ❖ Act as **Coordinator** in **National webinar** on “Polymer: Structure, Property-Relations and Applications” held by Department of Chemistry, Dayananad College, Hisar, on November 10, 2020.
- ❖ Act as **Convener** in “Faculty Development Programme” on MS Office (MS Word, Excel & Power Point) organized by Internal Quality Assurance Cell (IQAC), Dayanand College, Hisar held on May 19, 2022.
- ❖ Act as **Organizing Secretary** in National Webinar on ‘Role of youth in Nation Building’ organized by NSSUnit & Department of Political Sciene, Dayanand College, Hisar held on January 12, 2022.

PAPER PRESENTED IN JOURNALS

1. **Sunita Lega** and J.K. Nepal (2002). Potentiometric studies on the stability of binary and ternary complexes of La (III) and Pr (III) ions. Haryana Agric. Univ. J. Res. 32 : 63-68. ISSN: 0379-4008 (print).
2. Shish Ram, **Sunita Lega** and J.K. Nepal (2003). Stability Constant of 1:1 binary and 1:1:1 ternary complexes of 3-Benzoylacrylic acid and 3- Tolyacrylic acid with bivalent transition metal ions. Haryana Agric. Univ. J. Res. 33 : 13-18. ISSN: 0379-4008 (print).
3. **Sunita lega** (2014). Physicochemical study of drinking water and removal of fluoride content by adsorbent materials. Journal of Global Research and Analysis. 3(2):170-175. ISSN: 2278-6775 (print).
4. **Sunita Lega** (2015). Heavy metals detection in green vegetables irrigated with sewage waste water. Journal of Global Research and Analysis. 4(2): 334-337. ISSN: 2278-6775 (print).
5. Ashok Kumar, Meera, **Sunita Lega**, Satyender K. Yadav (2017). Spectral techniques for identification of triglycerides. Asian J. Research Chem. 10(5): 708-710. ISSN: 0974-4169 (Print), 0974-4150 (Online).
6. Satyender Kumar, Meera, **Sunita Lega** (2022). Study of AC Conductivity and Dielectric Properties of Composites of Poly(Vinyl Alcohol) (PVA) and Reduced Graphene Oxide (RGO). International Journal of Trend in Scientific Research and Development. 6(6). ISSN: 2456-6470 (Online).
7. Satyender Kumar, **Sunita Lega**, Meera (2023). Removal of zinc ion from aqueous solution using musa sapientum: an experimental approach. IJRTS Journal of Research 24(1). ISSN: 2347-6117.

PAPER PUBLISHED IN PROCEEDING

1. **Sunita Lega** (February 11, 2011) Arsenic pollution: impact on social and mental health in the proceeding of National Seminar on Environmental degradation: issues and remedies held in Dayanand College, Hisar. pp: 122-123.
2. **Sunita Lega** and **Renu Vasishta** (February 11, 2011) Environmental degradation: major threats in the proceeding of National Seminar on Environmental degradation: issues and remedies held in Dayanand College, Hisar. pp: 62-63.

3. **Sunita Lega** (February 11, 2011) Measures of environmental protection from pesticide residues in the proceeding of National Seminar on Environmental degradation: issues and remedies held in Dayanand College, Hisar. pp: 191-194.
4. **Sunita Lega** (March 8-9, 2014) Pesticide residue in agricultural pollution and its remedies in proceedings of 3rd **International Conference** on Evolution in Sciences & Technology and Eyne on Educational Methodologies held at at PPIMT, Choudharywas, Hisar. pp: 31-35.

PAPER PRESENTED IN SEMINAR/CONFERENCE

1. Presented paper “Bhopal gas tragedy and human rights” in National Seminar on Human rights Education held in Dayanand College, Hisar on February 12, 2011.
2. Presented paper “The fluoride problem in ground water” in National Conference on Multidisciplinary approach in frontier areas of environmental sciences and engineering held in GJU S & T, Hisar on March 4-5, 2011.
3. Presented paper “Ground water of Jind District of Haryana, its pollution and sustainability for drinking” in National Conference on Multidisciplinary approach in frontier areas of environmental sciences and engineering held in GJU S & T, Hisar on March 4-5, 2011.
4. Presented paper “Contribution of Indian women to the struggle for freedom: A legend of courage in compassion” in National Seminar on Role of women in freedom movement in India held in Dayanand College, Hisar on March 8-9, 2011.
5. Presented paper “Assessment of drinking water quality with respect to fluoride in Jind District” in National Seminar on Recent trends in advancement of mathematical and physical science held in D.N. College, Meerut on February 5-6, 2011.
6. Presented paper ‘Nano Medicine and its Future Approaches’ in National Conference on ‘NCRACE-2012’ held at Arya PG College, Panipat on February 4-5 , 2011.
7. Presented paper ‘Azadirachata indicum (Neem): An effective Biosorption of Heavy Metal Ions from Waste Water’ in National Seminar on ‘NSCIDS-2012’ held at Punjabi university, Patiala on February 15-16, 2012.
8. Presented paper ‘Green or Sustainable Chemistry’ in National Seminar on ‘Environment Degradation: Issues and Remedies’ held at Dayanand College, Hisar on February 28, 2012.
9. Presented paper ‘Heavy Metals Removal from Effluent by Adsorption and Coagulation’ in National Seminar on ‘Environment Degradation: Issues and Remedies’ held at Dayanand College, Hisar on February 28, 2012.
10. Presented paper ‘Chemical Analysis of Distillery Effluent and Impact on Environment’ in National Seminar on ‘Environment Degradation: Issues and Remedies’ held at Dayanand College, Hisar on February 28, 2012.
11. Presented paper ‘Adverse effect of fluoride on human health and its possible solutions’ in National Seminar on ‘Strategies for mitigation of environment degradation’ held at GJU S&T, Hisar on March 2-3, 2012.
12. Presented paper ‘Investigation of Heavy Metals Accumulation in Some Vegetables Irrigated with Waste Water in Ludas, Hisar (Haryana)’ in National Conference on ‘Ecotoxicology and health hazard’ held at CRM Jat Colleg, Hisar on March 24, 2012.

13. Presented paper 'Green chemistry: A better pathway to reduce pollutions.' in National Conference on 'Climate change and environmental problems: reasons, consequences and remedies' held at JCDM College of Engineering, Sirsa on May 20-22, 2012.
14. Presented paper "Agricultural Pollution: Challenges Ahead" in National Seminar "New Frontier in Chemistry" held at P.U. Patiala on February 15-16, 2013.
15. Presented paper "A Nano Contact Sensor for Heavy Metal ion Detection" in National Conference "New Frontier in physics" held at Dayanand College, Hisar on 12-13, March, 2013.
16. Presented Paper "Vegetarian diet for better health" in National Seminar on "Yoga and diet for holistic health" held at Dayanand College, Hisar on March 29-30, 2013.
17. Presented Paper "effect of verified pace Suryanamsakar on physiological system" in National Seminar on "Yoga and Diet for holistic health" held at Dayanand College, Hisar on March 29-30, 2013.
18. Presented paper "Removal of heavy Metal Ions from Aqueous Solution using Bio Material as effective Bio-Sorption" in **International Conference** on "recent advances in chemical sciences" held at Arya College, Panipat on February 24-26, 2013.
19. Presented paper "Accumulation of Heavy metal in Vegetable Irrigated with waste Water" in **International Conference** "ESTEEM" held at PPIMT Chaudharywas on March 3-4, 2013.
20. Published Paper "Pesticide residue in agricultural pollution and its remedies" in proceedings of 3rd **International Conference** on "Evolution in Sciences & Technology and Eyne on Educational Methodologies" on March 8-9, 2014 at PPIMT , Choudharywas, Hisar
21. Presented Paper "Detoxification of Bivalent Toxic Metals by Methyldopa" in National Conference on "Recent Developments in Chemical Sciences "held at GJU S&T, Hisar on February 25-26, 2014.
22. Presented paper "Impact of Agricultural Pollution on Human Health" in 3rd National Conference on "Advances in Chemical and Environmental Sciences" held at Arya PG College, Panipat on February 27-28, 2014.
23. Presented paper "Scientific and Purification Aspects of Yajna" in National Seminar "Role of Arya Samaj in Education" held at Dayanand College, Hisar on March 28-29, 2014.
24. Presented paper "Green chemistry: use an environmentally benign solvent" in **International Seminar** on Sustainable development in 21st century: a glocal perspective held at Ch. Ranbir Singh University, Jind on March 19-21, 2013.
25. Presented paper "Metal-ligand stability constants of bivalent toxic metals" in National Conference "current trends in scientific research for engineering application" held at Om Institute of Technology and Management, Hisar on March 20-21, 2015.
26. Presented paper "Green chemistry: use an environmentally benign solvent" in **International Seminar** on Sustainable development in 21st century: a glocal perspective held at Ch. Ranbir Singh University, Jind on March 19-21, 2015.
27. Presented paper "Metal-ligand stability constants of bivalent toxic metals" in National Conference "current trends in scientific research for engineering application" held at Om Institute of Technology and Management, Hisar on March 20-21, 2015.

28. Presented paper "Effects of heavy metal on human health" in National Seminar on To make Earth a more liveable Planet held in Chaudhary Ranbir Singh University, Jind on October 13-14, 2015.
29. Presented paper "Need for value based Education System" in National Seminar on The need of Higher Education Reforms in the context of changing global scenario held in Govt. PG College, Hisar on November 6, 2015.
30. Presented paper "Potentiometric studies on the stability of ternary and quaternary complexes of some bivalent transition elements" in National Conference on Organic synthesis and Catalysis (NCOSC- 2016) held in Department of Chemistry, G.J.U. S & T, Hisar on February 17-18, 2016.
31. Presented paper "Study of Some Physico-Chemical Characteristic Properties of Ground Water in the Villages of Uchana Block in Jind District, Haryana" in National Conference on 'Recent advances in chemical sciences' held in Department of Chemistry, Maharishi Markendeshwar University, Mullana, Ambala on November 11-12, 2016
32. Presented paper "Chemistry and Industrialization in India" in National Conference on 'Make in India for Inclusive Growth: Initiatives & Challenges' held in Chaudhary Ranbir Singh University, Jind on January 27-29, 2017
33. Presented paper "Distillery effluent and its impact on environment" in National Conference on 'Advance Physical Methods in Chemical Sciences' held in Guru Jambheshwar University of Science & Technology, Hisar on February 22-23, 2017
34. Presented paper "Chemistry and its Impact on Society" in National Conference on 'Lab to Land: Innovations of Science' held in RKSD PG College, Kaithal sponsored by DHE, Haryana on February 27, 2017
35. Presented paper "Environment Awereness through Science Education: Problems and Possibilities" in National Conference on 'Role of Science and Technology in Improving Teaching Padagogy and Value Education' held in FC College for Women, Hisar on March 9-10, 2017
36. Presented paper "Phytoremediation of heavy metals from soil: A Review" in National Conference on 'Chemical and Environmental Sciences: Emerging Dimensions & Challenges Ahead' held in Arya PG College, Panipat on April 1, 2017
37. Presented paper "Physico-chemical parameters for testing of water – A review" in 12th National Conference on Organics, Metallorganics and Thermodynamics (NCOMT-2017) held on November 17-18, 2017 at Department of Chemistry, Guru Jambheshwar University of Science and Technology, Hisar, Haryana.
38. Presented paper "Pesticide residues in environment and food commodities: An overview" in International Conference on "Climate change towards health and agriculture sustainability" held at Guru Jambheshwar University of Science & Technology, Hisar on February 18-20, 2019
39. Presented paper "Waste management: An overview" in International Conference on "Innovation in chemical, biological and environmental sciences" held at Arya College, Panipat on February 27-28, 2019.
40. Presented paper "Impact of distillery effluent on environment" in National Conference on "Biodiversity and environmental sustainability in modern era" held at CRM Jat College, Hisar on February 16, 2019.

41. Presented paper "Phytochemistry of herbal plant *Origanum majorana* (Marwa) and its medicinal importance" in International Conference on "Innovations in science, engineering and technology" held at Arya College, Panipat on November 09-10, 2019.
42. Presented paper "Phytochemistry of aloe vera and its medicinal properties : A review" in International Conference on "Physical and biological sciences at cross roads: Interdisciplinary explorations and exciting challenges" held at Guru Jambheshwar University of Science & Technology, Hisar on December 29-31, 2019.
43. Presented paper "Study of heavy metal accumulation in vegetables irrigated with waste water in Hisar" in National Conference on "Science and technology for rural development" held at Maharshi Dayanand University, Rohtak on October 14-15, 2019.
44. Presented paper "Potentiometric study of complex formation between bivalent toxic metals and Methyl dopa" in International Conference on "Scientific development in the current era (ICS DCE-2021)" held at IB College, Panipat on April 09-10, 2021.
45. Presented paper "Impact of online Education on students in COVID-19 pandemic" in National Level Webinar on "Role of digitization during COVID-19" held at Sanatan Dharam College, Ambala on June 20, 2021.
46. Presented paper "Overview of plastic waste management" in National Conference on "Innovations in science, Humanities, Education and Commerce" held at Jan Nayak Ch. Devilal Memorial College, Sirsa on December 10, 2021.
47. Presented paper "Urban plastic waste reduction and recycling" in National Conference on "Innovations in science, engineering and technology" held at Arya College, Panipat on February 19, 2022.
48. Presented paper "A Review on Phytochemical Compositions of Dandelion and its Medicinal Properties" in National Conference on "8th National Conference on Science & Technology for Nation Development: Opportunities & Global Challenges" held at Arya College, Panipat on February 28, 2023.
49. Presented paper "Impact of Pesticide pollution on Environmental Degradation" in National Seminar on "One Earth to Share & Care: Emerging Geographical Issues and Prospects" held at Dayanand College, Hisar on March 4, 2023.

ATTENDED WORKSHOP / SHORT TERM COURSE

1. Attended one day National Workshop "Chemistry in our lives" held at GJU S&T, Hisar (Haryana) on March 14, 2011.
2. Attended one-week **Workshop-course** on "Greener strategies for organic and nanomaterials: sustainable application of nano-catalysts in synthesis and Environmental remediation" organized by Global Initiative of Academic Network (GAIN) held at GJUS&T, Hisar from 25 November 2016 to 29 November 2016.
3. Attended one-week **Short Term Programme** on "Advanced Analytical Instrumentation Techniques" Sponsored by Rashtriya Uchchatar Shiksha Abhiyan (RUSA) held at Guru Jambheshwar University of Science and Technology, Hisar, from 25 November 2016 to 29 November 2016.
4. Attended one-week online **International Training Workshop** on "Revised assessment and accreditation framework of NAAC for colleges" organized by Guru Nanak Girls College, Yamuna Nagar from May 13-19, 2020.

5. Attended two days **International workshop** on “Rejuvenation through yoga during COVID” Organised by Dayananad College, Hisar, on June 1-2, 2020
6. Attended **International Workshop** on “Mental Health & well-being: Psychological Interventions” held in Dayananad College, Hisar, on February 08-12, 2021.
7. Attended two days **National workshop** on “Alternative therapies for Physical & Mental Health” held in Dayananad College, Hisar, on February 22-23, 2021.
8. Attended two days online **National Level Workshop** on “Curriculum Framework 2022 for University, Engineering Colleges and Degree Colleges” held on March 21-22, 2022 conducted by “Institute for Excellence, Hyderabad” in collaboration with “Collegiate Education and Technical Education Department, Govt. of Telangana”.

FACULTY DEVELOPMENT PROGRAM

1. Attended one days online **Faculty Development Program** on “Intellectual property rights” organized by Rajiv Gandhi National Institute of intellectual property management, Government of India on May 19, 2020.
2. Attended 5 Days **Faculty Development Program** on “E-content development’ organized by GMN College, Ambala Cantt from May 30 to June 3, 2020.
3. Attended online **Faculty Development Program** on “E-content : Design, Development and Delivery’ held in DAV College, Sector 10, Chandigarh from July 21-25, 2020.
4. Attended 7 Days **Faculty Development Program** on “NAAC Revised Accreditation Framework and Quelling the Quest’ held in Aggarwal College, Ballabgarh from March 11-17, 2021.
5. Attended seven days **Faculty Development Program** on MS Office (MS Word, Excel & Power Point) organized by Internal Quality Assurance Cell (IQAC), Dayanand College, Hisar held on May 19, 2022.

ATTENDED INTERNATIONAL AND NATIONAL WEBINAR

1. Participated in two days **International webinar** on “prevalent crisis triggered by the COVID 19 pandemic and its appraisal” Organised by Bhaskaracharya college of applied sciences, University of Delhi on May 18-19, 2020
2. Participated in **International webinar** on “Importance of digital forensics during COVID-19” Organised by Dyal Singh College, Karnal on May 29, 2020
3. Participated in one day **International webinar** on “Life and philosophy of Guru Nanak Dev ji” Organised by Guru Nanak Girls College, Yamuna Nagar on May 31, 2020
4. Participated in **International webinar** on “Global environmental challenges, bio-diversity, principle of Guru Jambheshwar ji and remedies” Organised by Guru Jambheshwarpariyavaransanrakshanshodhpeeth jai narainvyas university, Jodhpur and jambhani sahitya academy, Bikaner, on June 3-5, 2020
5. Participated in two days **International webinar** on “Impact of COVID 19 on Human health, environmental perspective, world economy, technology and future education” Organised by JCD Memorial college, Sirsa on June 5-6, 2020

6. Participated in **International webinar** on “Production of radionuclides and their application in medical imaging & therapy” Organised by Department of Chemistry, Chaydhary Bansi Lal University, Bhiwani on June 10, 2020
7. Participated in **National webinar** on “e-Content development methodology: four quadrant model, OERs and copyright issues” Organised by Guru Angad Dev teaching learning centre SGTB Khalsa College, University of Delhi on May 15, 2020
8. Participated in **National webinar** on “COVID-19 and the future of Higher Education” Organised by Maharaja Agrasen Mahavidyalaya, Jagadhri, on May 15, 2020
9. Participated in **National webinar** on “Ecological revival during pandemic” Organised by Bhaskaracharya college of applied sciences, University of Delhi on May 21, 2020
10. Participated in **webinar** on “Webinar on academic integrity: Role of online citation builders and paraphrasing tools” Organised by DAV College, Sector-10, Chandigarh, on May 22, 2020
11. Participated in **National webinar** on “Research methodology” Organised by Guru Nanak Khalsa College, Yamuna Nagar on May 28, 2020
12. Participated in **National webinar** on “Mindfulness based selfmanagement intervention in promoting health and well being during COVID-19” Organised by Dayananad College, Hisar, on May 30, 2020
13. Participated in **National webinar** on “Achieving excellence in Higher Education in India in the 21st century: Challenges and opportunities” Organised by School of business studies and IQAC, Sharda University on June 3, 2020
14. Participated in **National webinar** on “Impact of COVID-19 on Higher Education: New challenges” Organised by Dayananad College, Hisar, on June 10, 2020
15. Participated in **National webinar** on “Teaching during and post COVID times” Organised by Guru Angad Dev teaching learning centre SGTB Khalsa College, University of Delhi on June 12, 2020
16. Participated in **National webinar** on “Role of science and technology during COVID-19 pandemic” Organised by Dayananad College, Hisar, on June 12, 2020
17. Attended **National webinar** on “Polymer: Structure, Property-Relations and Applications” held in Dayananad College, Hisar, on November 10, 2020.
18. Attended **National webinar** on “Role of E-Learning: Academic Challenges” held in Babu Anant Ram Janta College, Kaul, Kaithal, on November 29, 2020
19. Attended **National webinar** on “Wildlife and Environment Conservation in India: How to study direct & indirect field observations?” held in Dayananad College, Hisar, on January 19, 2021.
20. Attended **International webinar** on “Empowering Diversity in Science” held in Miranda House, University of Delhi, Delhi, on February 12, 2021
21. Attended **International webinar** on “Therapeutic Wonders In and Around Us” held in KVA DAV College, Karnal on February 13, 2021
22. Attended **National webinar** on “A Critical Evaluation of Revised Assessment Framework of NAAC” held in Markanda National College, Shahabad Markanda, on February 20, 2021
23. Attended **National webinar** on “Biotechnology: Applications and Perspectives” held in Dayananad College, Hisar, on March 1-2, 2021.
24. Attended **National webinar** on “Gender Concepts and Definitions” held in Dayananad College, Hisar, on March 3, 2021

25. Attended **National webinar** on “Present and Emerging Human Resource Challenges” held in Dayananad College, Hisar, on March 10, 2021.
26. Attended **National webinar** on “Quantum Information Science” held in Dayananad College, Hisar, on June 30, 2021.
27. Attended **National webinar** on “NAAC Assessment and Accreditations: An Overview” held in Government College for Women, Madlauda, Government College, Safidon and Government College, Israna on April 28-29, 2021

TRAINING BY OTHER INSTITUTE

1. Attended training orientation course for NSS officers held at C.C.S. H.A.U. Hisar from November 28, 2014 to December 4, 2014.

ATTENDED ORIENTATION/REFRESHER COURSE

1. Attended **Refresher Course** at Academic staff College, Himachal Pradesh University, Shimla (H.P.) from September 12, 2011 to October 1, 2011.
2. Attended **Refresher Course** at Academic Staff College, GJU S &T, Hisar from April 24, 2014 to May 14, 2014.

MEMBER OF SOCIETIES & JOURNALS

1. Life member of Indian Chemical Society, Kolkata.
2. Life member of Indian Science Congress Association Haridwar Chapter, Kolkata.

Dr.Sunita Lega