

CURRICULUM VITAE

Dr. DEVENDRA KUMAR SRIVASTAVA

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(Academic Experience: 7.5 Years)



OBJECTIVE: ↓

Intend to build career and grow in academia with committed and dedicated people. This will help me to explore myself fully and realize my potential.

EDUCATION QUALIFICATION: ↓

- **Ph.D. (Botany) with Course Work** as per UGC regulation 2009.

Title: “Cytomorphological Diversity in Species of Labiatae and Scrophulariaceae from Lahaul-Spiti and Adjoining Areas”, from Department of Botany, Punjabi University, Patiala. {Regd. No. PUP (P) 2004-1291}

- **Ph.D. Course Work** with A-Grade (GPA Score).
- **M.Sc. (Botany).**
- **Specialization:** Botany (Cytogenetics & Plant Breeding).

Examination /Degree	University / Board	Year of passing
Ph.D + Course Work	Punjabi University Patiala (Punjab)	Dec.-2012
M.Sc.	Punjabi University Patiala (Punjab)	May-2006
B.Sc.	University of Jammu (Govt. Degree College, Kathua)	July-2004
XII th	C.B.S.E. (K.V.-Samba, J&K)	May-2000
X th	C.B.S.E. (K.V.-Guwahati, Assam)	June-1998
Punjabi Language-X th	Punjab School Education Board (P.S.E.B.)	March-2010

TEACHING AREA: ↓

Botany / Agricultural Botany.

RESEARCH AREA: ↓

- Plant Cytology & Cytogenetics.
- Plant Cytomorphology & Taxonomy of family Lamiaceae and Scrophulariaceae.
- Histological analysis and histochemistry of plant parts.
- Plant Bioinformatics in relation to Molecular Taxonomy & Systematics.
- Antimicrobial activities assays.

RESEARCH & PUBLICATIONS ↓

No.	Journal Status / (Publication House)	Authorship Status	Journal Name	Volume: Pages	ISSN No.	Year	Indexing	UGC Serial No.
16.	International	First & Correspondent	<i>Botanica</i> (formerly <i>Botanica Lithuanica</i>)	26(1): 95–100	e-ISSN: 2538-8657 (formerly 2029-932X)	2020	*Scopus, Web of Science, Google Scholar, SCImago (SJR), etc.	UGC-CARE List Group II (2020)
15.	International (Guizhou University, China)	Co-Author	<i>Plant Pathology & Quarantine</i>	10(1): 1–9.	2229-2217	2020	Publons	—
14.	International (Hungary)	First & Correspondent	<i>Acta Biologica Szegediensis</i>	62(2):131-139	1588-385X (e-ISSN:1588-4082)	2018	*Scopus, SJR, BIOSIS, EMBASE, CAB Abstracts	UGC-CARE List Group II (2020)
13.	International (India & Amsterdam, Netherlands)	First & Correspondent	<i>Medicinal Plants - International Journal of Phytomedicines and Related Industries</i>	9 (3):195-204	0975-4261 (e-ISSN: 0975-6892)	2017	*Scopus, *Elsevier, *Google Scholar, *SJR, *NAAS, *ISA, *Index Copernicus	UGC-CARE List Group II (2020)
12.	International (Tokyo, Japan)	First & Correspondent	<i>Chromosome Botany</i>	2015(10): 128-137	1881-5936	2015	J-STAGE, Research Gate (R-gate)	UGC No. 45552 (2017)
11.	National (India)	First & Correspondent	<i>Insight an Int. J. of Sci.</i>	2: 75-81	2394-0360	2015	Publons	—
10.	National (India)	Co-Author	<i>Journal of Biological and chemical Chronicles</i>	2(1): 38-42	2454-7468 e-ISSN: 2454-7476)	2015	Google Scholar, CiteFactor, International Scientific Indexing (ISI), Eurasian Scientific Journal Index.	UGC No. 63745 (2018)
09.	International (India & Amsterdam, Netherlands)	First & Correspondent	<i>Medicinal Plants – Int. Journal of Phytomedicines and Related Industries</i>	6(1): 21-27.	0975-4261. (e-ISSN: 0975-6892	2014	*Scopus, *Elsevier, *Google Scholar, *SJR, *NAAS, *ISA, *Index Copernicus	UGC-CARE List Group II (2020)
08.	National (India)	First & Correspondent	<i>Insight an Int. J. of Sci.</i>	1: 33-38.	2394-0360	2014	Publons	—
07.	National (India)	First & Correspondent	<i>Insight an Int. J. of Sci.</i>	1: 43-49.	2394-0360	2014	Publons	—
06.	National, (India)	Co-Author	<i>International Journal of Recent scientific Research</i>	5(1): 142-147	0976-3031	2014	*Google Scholar, *Index Copernicus, Pubmed, Academia.edu, SJIF	UGC No. 46629 (2017)
05.	National, (India)	Co-Author	<i>Journal of Medicinal Plants Studies.</i>	2 (1):45-52	2394-0530 (e-ISSN: 2320-3862)	2014	*Index Copernicus, *Google Scholar, ISRA, Indian Science, PubsHub, Ulrich's International Periodical Directory,	—
04.	International, (Tokyo, Japan)	First & Correspondent	<i>Chromosome Botany</i>	8: 41-44	1881-5936	2013	J-STAGE, ResearchGate (R-gate)	UGC No. 45552 (2017)
03.	International, (Tokyo, Japan)	First & Correspondent	<i>Cytologia</i>	76 (3): 1-6.	0011-4545	2011	*Web of Science, *SCI, *NAAS *Google Scholar, *SJR Pubget, BIOSIS Previews	UGC-CARE List Group II (2020)
02.	National, (India)	Co-Author	<i>Int. J. of Drug Development and Research</i>	1 (1):1-9.	0975-9344	2009	*Google Scholar, *SJR, ResearchGate (R-gate)	—
01.	International, (Tokyo, Japan)	Co-Author	<i>Chromosome Botany</i>	4: 83-86.	1881-5936	2009	J-STAGE, ResearchGate (R-gate)	UGC No. 45552 (2017)

16. Srivastava D. K., Bansal P., Singh P.K. and Saggoo M.I.S. 2020. Molecular autograph of maturase-k gene in *Isodon rugosus* (Lamiaceae). *Botanica* (formerly *Botanica Lithuanica*). Vol. 26(1): 95–100. (e-ISSN: 2538-8657; formerly 2029-932X; UGC-CARE List Group II-2020).
15. Singh M., Mishra M., Srivastava D. K., Singh PK. 2020. Biological control of Fusarium wilt of tomato by arbuscular mycorrhizal fungi with intercropping. *Plant Pathology & Quarantine* 10(1): 1–9.
14. Srivastava, D. K. and Saggoo, M.I.S. 2018. Morpho-meiotic study in *Mentha longifolia* from cold desert regions of Lahaul-Spiti and adjoining areas of Himachal Pradesh (India). *Acta Biologica Szeged*. Vol. 62(2):131-139. (Print ISSN: 1588-385X/ E-ISSN: 1588-4082; UGC-CARE List Group II-2020).
13. Srivastava, D. K. and Saggoo, M.I.S. 2017. Cytology in few medicinally important wild taxa from high altitude regions of North-West Himalaya of Himachal Pradesh (India). *Medicinal Plants- Int. J. Phytomed. & Related Indust.* Vol. 9(3): 195-204. (Print ISSN: 0975-4261 / 0975-6892; UGC-CARE List Group II-2020).
12. Srivastava, D.K., Saggoo, M.I.S. and Sharma, V. 2015. Meiotic chromosome number in a few taxa of the Lamiaceae from Lahaul-Spiti (Cold desert) and its adjoining areas of North West Indian Himalayan. *Chromosome Bot.* 2015(10):128-137. (ISSN: 1881-5936; UGC No. 45552, 2017).
11. Srivastava, D. K. and Saggoo, M.I.S. 2015. Few medicinal plants of family Labiatae and Scrophulariaceae in the high altitude cold desert areas of Lahaul-Spiti and its adjoining areas of Himachal Pradesh (India). *Insight Int. J. Sci.* Vol. 2: 75-81. (ISSN: 2394-0360).
10. Sharma, V., Srivastava, D.K. Gupta, R.C. and Singh, B. 2015. Abnormal Meiosis in Tetraploid (4x) *Cannabis sativa* (L.) from Lahaul-Spiti (Cold Desert Higher Altitude Himalayas)-A Neglected But Important Herb. *J. Biol. Chem. Chron.* 2(1):38-42. (ISSN print: 2454-7468; Online: 2454-7476; UGC No. 63745, 2018).
09. Srivastava, D.K. and Saggoo, M.I.S. 2014. Molecular identification of *Verbascum thapsus* L. (Ban Tambaaku) and its ITS sequence comparison with other *Verbascum* L. species. *Medicinal Plants- Int. J. Phytomed. & Related Indust.* Vol. 6(1): 21-27. (Print ISSN: 0975-4261. Online ISSN: 0975-6892; UGC-CARE List Group II-2020).
08. Arora, C. B., Sharma, R. and Srivastava, D. K. 2014. Characterization and Preliminary Evaluation of *Jatropha curcas* L. Germplasm under the Natural Climatic Condition of New Bhusur, Jharkhand (India). *Insight Int. J. Sci.* Vol. 1: 33-38. (ISSN: 2394-0360).
07. Srivastava, D. K. and Saggoo, M.I.S. 2014. Abnormal Meiosis in Tetraploid (4x) *Clinopodium umbrosum* (M. Bieb) Koch from Lahul Valley of Himachal Pradesh, India. *Insight Int. J. Sci.* Vol. 1: 43-49. (ISSN: 2394-0360).
06. Sharma V., Gupta R.C., Singh B., Dhaliwal H.S. and Srivastava, D.K. 2014. Volatile oil composition and Antimicrobial activity of essential oil of two varieties of *Ocimum sanctum* (L.) from Dhameta (Kangra)-A North Indian Region. *Int. J. Rec. Sci. Res.* Vol. 5(1): 142-147 (ISSN: 0976-3031; UGC No. 46629, 2017).
05. Sharma V., Singh B., Gupta R.C., Dhaliwa H.S., Srivastava D.K. 2014. *In vitro* antimicrobial activity and GCMS analysis of essential oil of *Artemisia maritima* (Linn.) from Lahaul & Spiti (Cold Desert) region of North-Indian higher altitude Himalayas. *Journal of Medicinal Plants Studies.* Vol. 2 (1):45-52 (Online ISSN: 2320-3862; Print ISSN: 2394-0530).
04. Srivastava, D.K. and Saggoo, M.I.S. 2013. Chromosome numbers in few members of genus *Scrophularia* L. from Cold desert regions of Lahaul-Spiti (H. P., India). *Chromo. Bot.* Vol. 8: 41-44 (ISSN: 1881-5936; UGC No. 45552, 2017).
03. Saggoo, M. I. S., Srivastava, D.K. and Grewal, P. 2011. Meiotic studies in 14 species of the *Nepeta* L. (Lamiaceae) from cold Desert Regions of Lahaul-Spiti and Adjoining areas of NW- Himalaya, India. *Cytologia* 76 (3): 1-6. (ISSN: 0011-4545; UGC-CARE List Group II-2020).
02. Sharma, V., Sharma, N., Singh, H., Srivastava, D.K., Pathania, V. L., Singh, V. and Gupta, R. C. 2009. Comparative Account on GCMS Analysis of *Mentha arvensis* L. “Corn Mint” from three different Localities of North India. *Int. J. Drug Dev. & Res.* Vol.1 (1):1-9. (ISSN: 0975-9344).
01. Saggoo, M.I.S. and Srivastava, D.K. 2009. Meiotic Studies in Some Species of *Pedicularis* L. from Cold Desert Regions of Himachal Pradesh, India (North-West Himalaya). *Chromo. Bot.* Vol. 4: 83-86. (ISSN: 1881-5936; UGC No. 45552, 2017).

Published* Book Chapter: One (01)

01. Singh, M., Mishra, M., Srivastava, D.K. and Singh, P.K. 2020. Arbuscular mycorrhiza-associated rhizobacteria and biocontrol of soilborne phytopathogens. In- Mirmajlessi S.M. and Radhakrishnan R. (ed.) *Biostimulants in Plant Science* [Online First- May 13th 2020]. IntechOpen, DOI: [10.5772/intechopen.89266](https://doi.org/10.5772/intechopen.89266).

NCBI-GenBank Sequences: Five (05) ↓

S.N.	Gene/s Sequence/s	Taxa	Authorship	GenBank	Status	Accession No.	Year
05.	rbcl gene	<i>I. rugosus</i>	First & Submitter	NCBI (International)	Open / In public domain /Released* (https://www.ncbi.nlm.nih.gov/nucleotide/MN130140.1/)	<i>MN130140</i>	2020
04.	PsbA - trnH gene	<i>Un-disclosed</i>	First & Submitter	NCBI (International)	Closed / Submitted	<i>BankIt2240448</i>	2019
03.	rDNA-ITS (18S rRNA; ITS-1; 5.8S-rRNA; ITS-2; 28S-rRNA)	<i>I. rugosus</i>	First & Submitter	NCBI (International)	Open / In public domain /Released* (https://www.ncbi.nlm.nih.gov/nucleotide/MH931390.1/)	<i>MH931390</i>	2019
02.	trn/mat-K (tRNA-Lys-K gene, maturase K gene.)	<i>I. rugosus</i>	First & Submitter	NCBI (International)	Open / In public domain /Released* (https://www.ncbi.nlm.nih.gov/nucleotide/MH939199/)	<i>MH939199</i>	2018
01.	rDNA-ITS (18S rRNA; ITS-1; 5.8S-rRNA; ITS-2; 28S-rRNA)	<i>V. thapsus</i>	First & Submitter	NCBI (International)	Open/ In public domain /Released* (https://www.ncbi.nlm.nih.gov/nucleotide/JQ801746/)	<i>JQ801746</i>	2012

Reference of the GenBank (NCBI) Sequences (Published / Released* in public domain): Four (04) ↓

04. Srivastava, D.K. 2020. *Isodon rugosus* ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit (rbcl) gene, partial cds; chloroplast. *NCBI GenBank*. Accession No. *MN130140*. (National Center for Biotechnology Information, U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA. <https://www.ncbi.nlm.nih.gov/nucleotide/MN130140>).
03. Srivastava, D.K., Saggoo, M.I.S. and Ganesan, V. 2019. *Isodon rugosus* isolate- 18S ribosomal RNA gene, partial sequence; internal transcribed spacer-1, 5.8S ribosomal RNA gene and internal transcribed spacer-2, complete sequence; and large subunit rRNA gene, partial sequence. *NCBI GenBank*. Accession No. *MH931390*. (National Center for Biotechnology Information, U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA. <https://www.ncbi.nlm.nih.gov/nucleotide/MH931390>).
02. Srivastava, D.K., Saggoo, M.I.S. and Ganesan, V. 2018. *Isodon rugosus* isolate IRBSA-01-Himachal Pradesh tRNA-Lys (trnK) gene, partial sequence; and maturase K (matK) gene, partial cds; chloroplast. *NCBI GenBank*. Accession No. *MH939199*. (National Center for Biotechnology Information, U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA. <https://www.ncbi.nlm.nih.gov/nucleotide/MH939199>).
01. Srivastava, D.K. and Saggoo, M.I.S. 2012. *Verbascum thapsus* isolate PUN55051 18S ribosomal RNA gene, partial sequence; internal transcribed spacer-1, 5.8S ribosomal RNA gene and internal transcribed spacer-2, complete sequence; and 28S ribosomal RNA gene, partial sequence. *NCBI GenBank*. Accession No. *JQ801746*. (National Center for Biotechnology Information, U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA. <https://www.ncbi.nlm.nih.gov/nucleotide/JQ801746>).

RESEARCH (CYTOLOGICAL) ACCOMPLISHMENTS CUM-CONTRIBUTIONS:**New/ first B-Chromosome/s reported: 01 (Report published*) ↓**

No.	Taxa	2n	Family	Contribution / Remarks
01.	<i>Mentha longifolia</i>	24 +0-3B	Lamiaceae	First ever in the taxon (/species).

New cyto-types reported: 03 (Reports published*) ↓

No.	Taxa	2n	Family	Contribution / Remarks
03.	<i>Scutellaria discolor</i>	48	Lamiaceae	First ever in the taxa (/species).
02.	<i>Phlomis bracteosa</i>	44	Lamiaceae	
01.	<i>Mazus surculosus</i>	40	Scrophulariaceae <i>s.l.</i>	

New / first cytological records or findings in plant taxa: 15 (Reports published*) ↓

No.	Taxa	2n	Family	Contribution / Remarks
15.	<i>Lancea tibetica</i>	18	Scrophulariaceae <i>s.l.</i>	First ever in the taxon (World flora).
14.	<i>Nepeta campestris</i>	18	Lamiaceae	First ever in the taxa (World flora).
13.	<i>N. connate</i>			
12.	<i>N. discolor</i>			
11.	<i>N. supina</i>			
10.	<i>Nepeta leucolaena</i>	18	Lamiaceae	First ever in the Indian flora.
09.	<i>Scrophularia koelzii</i>	20	Scrophulariaceae <i>s.l.</i>	First ever in the taxa (World flora).
08.	<i>Euphrasia foliosa</i>	22		
07.	<i>E. himalayica</i>	22		
06.	<i>Pedicularis porrecta</i>	16		
05.	<i>P. pectinate spp.bipinnatifida</i>	16		
04.	<i>Veronica biloba</i>	14		
02.	<i>Thymus linearis</i>	26	Lamiaceae	First ever in the Indian flora.
01.	<i>Dracocephalum heterophyllum</i>	24		
01.	<i>Pedicularis hoffmeisteri</i>	16		

Research Guidance / Supervised: Seven (07) M.Sc. Thesis / Students ↓ = (AWARDED*)

No.	Name of Student/s	Reg. No.	Title	Awarded Year
07.	Ms. Gazalpreet Kaur	BS17MSB002	Botanical study in medicinal taxa <i>Meriandra strobilifera</i> of family Lamiaceae from Baru-Sahib area of Himachal Pradesh, India.	2019
06.	Ms. Pallvi Rajput	BS17MSB005	Preliminary phytochemical screening and antimicrobial study in a wild medicinal plant <i>Roylea cinerea</i> (Lamiaceae) from Baru-Sahib area of Himachal Pradesh.	2019
05.	Ms. Pekhna	BS17MSB006	<i>In-silico</i> data mining and study of molecular (DNA) barcode in medicinal taxa <i>Isodon rugosus</i> (Lamiaceae) from the flora of Baru-Sahib, Himachal Pradesh (India)	2019
04.	Ms. Arti Sharma	BS16MSB002	Cyto-morphology, anatomy, phytochemical screening and antimicrobial study in wild <i>Plectranthus rugosus</i> (Syn. <i>Isodon rugosus</i>) from Baru-Sahib area of Himachal Pradesh.	2018
03.	Ms. Kajal Dhadwal	BS16MSB005	Botanical study and phytochemical screening in wild <i>Colebrookea oppositifolia</i> (Lamiaceae) for in-vitro biological activity.	2018
02.	Ms. Neha Kumari	BS16MSB008	Morpho-Anatomical and Marker assisted study in wild <i>Scutellaria repens</i> (Lamiaceae) from Baru-Sahib Area of Himachal Pradesh.	2018
01.	Ms. Sulakshna Chauhan	BS16MSB011	In-vitro study for antibacterial and antifungal activity of <i>Justicia adhatoda</i> L. from Baru Sahib (H.P.)	2018

Currently under Guidance (Ongoing) ↓

One (01) Ph.D. Student/ Thesis

S. No.	Name of Student/s	Degree	Reg. No.	Year
01.	Ms. Pallvi Rajput	Ph. D Botany	BS19PSB005	2020

Three (03) M.Sc. Students/ Thesis

S. No.	Name of Student/s	Degree	Reg. No.	Year
03.	Ms. Ambika	M.Sc. Botany	BS19PSB005	2020
02.	Ms. Rubal Kumari	M.Sc. Botany	BS19MSB005	2020
01.	Ms. Dimple Chauhan	M.Sc. Botany	BS19MSB001	2020

Paper Presentations/ Symposium/ Articles/ Abstracts: Thirty four (34) ↓

Articles/Abstracts/ presentations	International / National Symposium or Seminar	No.
Articles / Abstracts	International Symposium =1	=18
Articles / Abstracts	National Symposium & conferences =17	
Paper Presented	International Symposium =1	=10
Paper Presented	National Symposium/ Seminar =9	
Poster presented	Science Congress & Conferences	=01
Training / workshop/ Camp	National	=05

18. Pekhna, **Srivastava, D.K.**, Singh P.K. and Saggoo M.I.S. 2019. *In-silico* data mining and defining the molecular regions of *rDNA-ITS* marker in *Isodon rugosus* (Wall. ex Benth.) Codd. National Conference, New Insights in Biological and Environment Sciences (NIBES)-2019, Department of Botany, Akal College of Basic Sciences, Eternal University, Baru-Sahib (H.P.) **May 24-25, 2019.**
17. Pallvi and **Srivastava, D.K.**2019. Biochemical and Antimicrobial Potential in *Roylea cinerea* (D. Don) Baill. National Conference, New Insights in Biological and Environment Sciences (NIBES)-2019, Department of Botany, Akal College of Basic Sciences, Eternal University, Baru-Sahib (H.P.) **May 24-25, 2019.**
16. Kaur G. and **Srivastava, D.K.** 2019. Morpho-anatomical study of medicinal and aromatic taxa in wild. National Conference, New Insights in Biological and Environment Sciences (NIBES)-2019, Department of Botany, Akal College of Basic Sciences, Eternal University, Baru-Sahib (H.P.) **May 24-25, 2019.**
15. **Srivastava, D.K.** and Saggoo M.I.S. 2019. Cyto-morphology in *Mentha longifolia* from cold desert regions of Lahaul-Spiti and its adjoining areas in Himachal Pradesh (India). National Conference, Plant and Microbial Research: Present Scenario. Department of Botany, Punjabi University, Patiala. **February 18-19, 2019.**
14. Sharma A, Dhadwal K, Kumari N, Chauhan S and **Srivastava, D.K.** 2018. Molecular (DNA) identity in admixtures of raw herbal trade of medicinal plants". 1C: Traditional Wisdom, Policy & programme. IX- International Youth Science Congress-2018. **April 7-9, 2018.** 79pp.
13. Chauhan, S. and **Srivastava, D.K.** 2017. Prospective of antimicrobial activities in various extracts of natural growing species *Justicia adhatoda* (L.) from Baru-Sahib (Himachal Pradesh). Science & Technology for sustainable Livelihood in Indian Himalayan Region. 2nd Himachal Pradesh Science Congress, Shimla, **November 20-21, 2017.** 73pp.
12. Sharma, A. and **Srivastava, D.K.** 2017. Gas Chromatography-mass spectroscopy analysis and antimicrobial activities of hydro-distilled aromatic oil of *Plectranthus rugosus* Wall ex Benth. from Himachal Pradesh. Science & Technology for sustainable Livelihood in Indian Himalayan Region. 2nd Himachal Pradesh Science Congress, Shimla, **November 20-21, 2017.** 78pp.
11. Kumari, N. and **Srivastava, D.K.** 2017. The future perspective of the genus *Scutellaria* from Himachal Pradesh. Science & Technology for sustainable Livelihood in Indian Himalayan Region. 2nd Himachal Pradesh Science Congress, Shimla, **November 20-21, 2017.** 82pp.
10. Dhadwal, K. and **Srivastava, D.K.** 2017. Distribution and importance of *Colebrookea oppositifolia* Sm. ‘Bhamber’ from Himachal Pradesh. Science & Technology for sustainable Livelihood in Indian Himalayan Region. 2nd Himachal Pradesh Science Congress, Shimla, **November 20-21, 2017.** 92pp.
09. **Srivastava, D.K.**, Noor Danish A. M., Sharma, R., Arora, C.B. Kumar, M, Kumar, R. and Saggoo, M.I.S. 2017. Phytohybrid Solar Cell Technology: A Biomimetics to Solve the Energy crisis and Environmental Pollution. 2nd International Conference on "Innovative Research in Engineering, Science and Technology-2017" (IREST-2017), **April, 7-8, 2017.**
08. Arora, C.B., Rani and **Srivastava, D.K.** 2017. Conservation genomics for the threatened and endangered flora and fauna: a new paradigm shifts for biodiversity conservation. National Seminar, *Role of an Individual and Scientists towards Conservation of Biodiversity*, CDC Panjab University, Chandigarh Sponsored, Department of Zoology, BAM Khalsa College Garhshankar, Punjab, **February 17, 2017.**

07. **Srivastava, D.K.** and Saggoo, M.I.S. 2014. The internal transcribed spacers (ITS) sequences of *Verbascum thapsus* and its phylogenetic analysis. National Symposium, Emerging trends in Botanical Sciences. **February 17-18, 2014.**
06. Saggoo, M.I.S. and **Srivastava, D.K.** 2014. New insights in the chromosome number evolution in *Pedicularis* (Scrophulariaceae) using bioinformatics tools. National Symposium, Emerging trends in Botanical Sciences. **February 17-18, 2014.**
05. **Srivastava, D.K.** and Saggoo, M.I.S. 2012. Chromosomal Diversity in the Rare and Threatened plants of families Labiatae and Scrophulariaceae from Lahaul-Spiti: A Cold Desert of Himachal Pradesh, India. National Conference, *Plant and Microbial Biodiversity-Present Scenario, Threats and Conservation Strategies.* **March 01-02, 2012.**
04. **Srivastava, D. K.** and Saggoo, M.I.S. 2012. Meiotic behavior in members of family Labiatae inhabiting cold desert of Himachal Pradesh (India). *National Symposium on Plant Cytogenetics: New approaches.* **Feb. 23-24, 2012.**
03. **Srivastava, D.K.** and Saggoo, M.I.S. 2012. Meiotic studies in *Scrophularia* L. from cold desert of Himachal Pradesh (India). *15th Punjab Science Congress,* **Feb. 07-09, 2012.**
02. **Srivastava D.K.,** Saggoo, M.I.S. and Grewal, P. 2010. Cytological studies on *Nepeta* L. (Lamiaceae) from Lahaul-Spiti and adjoining areas. *National symposium on Botanical researchers: present scenario.* **Feb. 18-19, 2010.** pp. 70-71.
01. Saggoo, M.I.S. and **Srivastava, D.K.** 2008. Cytological studies on members of family Scrophulariaceae from North-West India. *National Symposium on Plant Cytogenetics: Resent Trends,* **Feb. 15-16, 2008.** p. 63.

Reference of the Research Paper (Oral) Presented: Ten (10) ↓

10. **Srivastava, D.K.** 2017. Phytohybrid Solar Cell Technology: A Biomimetics to Solve the Energy crisis and Environmental Pollution. 2nd International Conference on "Innovative Research in Engineering, Science and Technology-2017" (IREST-2017), held at Eternal University (H.P.) on **April, 7-8, 2017.**
09. **Srivastava, D.K.** 2017. Meliorating the Quality of Education in India by Privatization: A Key Question. NAAC Sponsored National Seminar on 'Academic & Administrative Audit: A Pre-Requisite for quality enhancement' at D.A.V. College, Hoshiarpur, Punjab. **March-30-31, 2017.**
08. **Srivastava, D.K.** 2017. Intellectual Property Rights & Challenges. One Day Workshop on Intellectual Property Rights and Challenges (IPRIC-2017), Organized by IPR Cell, Eternal University Baru-Sahib in association with Hinachal Pradesh Patent Information Centre (HP-PIC), State Council for Science, Technology and Environment (SCSTE), Shimla (H.P.). **March-14, 2017.**
07. **Srivastava, D.K.** 2017. Conservation genomics for the threatened and endangered flora and fauna: a new paradigm shifts for biodiversity conservation. National Seminar, *Role of an Individual and Scientists towards Conservation of Biodiversity,* CDC Panjab University, Chandigarh Sponsored, Department of Zoology, BAM Khalsa College Garhshankar, Punjab, **February 17, 2017.**
06. **Srivastava, D.K.** 2015. Privatization: Improving quality or quantity in education? ICSSR Sponsored National Seminar on "Two decades of economic reforms in India with special reference to North-Western Region", N-W Regional Center, Chandigarh. **February 07, 2015.** Organized by DAV College Hoshiarpur, Punjab.
05. **Srivastava, D.K.** 2015. Effects of fungicide Aliette-WG-800 on the pollen fertility of *Lycopersicon esculentum* Mill. Grown in green house environment. UGC Sponsered National Seminar on "Organic farming- Need of the hour". **March 11, 2015.** Organized by Community College & PG department of Zoology. Jagdish Chandra DAV College, Dasuya. Punjab.

04. **Srivastava, D.K. 2015.** Phytochemical Profiling and Antimicrobial activity of essential oils of *Artemisia maritime* L. College Development Council, Punjab University, Chandigarh sponsored National Seminar on “New vistas in chemical Sciences”. **November 15, 2014.** Organized at DAV College Hoshiarpur, Punjab.
03. **Srivastava, D.K. and Saggoo, M.I.S. 2014.** The internal transcribed spacers (ITS) sequences of *Verbascum thapsus* and its phylogenetic analysis. National Symposium, Emerging trends in Botanical Sciences. **February 17-18, 2014.**
02. **Srivastava, D. K. and Saggoo, M.I.S. 2012.** Meiotic behavior in members of family Labiatae inhabiting cold desert of Himachal Pradesh (India). *National Symposium on Plant Cytogenetics: New approaches.* **Feb. 23-24, 2012.**
01. Saggoo M.I.S. and **Srivastava, D.K. 2008.** Cytological studies on members of family Scrophulariaceae from North-west India. *National Symposium on Plant Cytogenetics: Resent Trends.* **Feb. 15-16, 2008.**

Reference of Poster presented: One (01) ↓

01. **Srivastava, D. K. and Saggoo, M.I.S. 2012.** Meiotic studies in *Scrophularia* L. from cold desert of Himachal Pradesh (India). *15th Punjab Science Congress,* **Feb. 07-09, 2012.**

Reference of the Training / workshop/ Camp: National = Five (05) ↓

05. 21st Indo-US Flow Cytometry Workshop on “**Basics of Flow Cytometry & its application in Plant Biology**” Organized Jointly by Trust for Education & Training in Cytometry (TETC), Live Education Task Force- International Society for Advancement of Cytometry (LETF-ISAC), Eternal University (H.P.) at Eternal University, Baru-Sahib (H.P.). **February 6-7, 2020.**
04. “**Faculty Development Program (FDP) for Student Induction (FDP-SI)**” Organized by All India Council for Technical Education (AICTE), at Eternal University, Baru-Sahib (H.P.). **November 21-23, 2019** (F. No. AICTE/FDP-SI/ NWRO/ 103/9931).
03. “**Intellectual Property Rights: Issues and Challenges (IPRIC)**” Organized by IPR cell, Eternal University, Baru-Sahib (H.P.) in association with Himachal Pradesh Patent Information Centre (HPPIC), Himachal Pradesh Council for Science, Technology and Environment (HPCOSTE), Shimla (H.P.). **March 28, 2019.**
02. Delivered and demonstrated the botany practical’s to the meritorious students of class-XI & XII of district Sirmour (H.P.) during seven days **INSPIRE** camp held at Eternal University, Baru-Sahib (H.P.). **January 3, 2018 to January 9, 2018.**
01. “**Bioinformatics: Research and Application**” sponsored by Department of Biotechnology (DBT), Gov. of India. New Delhi. Department of Biochemistry, University of Lucknow. **February 16-18, 2010.**

AWARDS / MERITS / APPRECIATION: ↓

Sports	04.	Sub Regional	Merit Certificate for Man of the match (First prize-Gold) in Cricket (under 19) at Sub Regional (Jammu) Level, Year-1999.	=1
	03.	School Level	Merit certificate (Third prize-Silver) in Badminton and Cricket at School level, Year-1999.	=1+1
	02.	University/ M.Sc. Level	Merit certificate (Third prize-Silver) in Long jump (2005) by Botanical Society Punjabi University, Patiala.	=1
	01.	University/ M.Sc. Level	Merit certificate (Third prize-Silver) in 100 mts. Race (2005) by Botanical Society Punjabi University, Patiala.	=1
<p>Letter of Appreciation for organizing a National Conference, New Insights in Biological and Environment Sciences (NIBES)-2019 By Dean, Akal College of Basic Sciences, Eternal University, Baru-Sahib (H.P.).</p>				

COMPUTER BASICS: ↓

- MS-Word, MS-Publisher, Power point, Microsoft Excel, etc.

WORKING EXPERIENCE: Seven (07) Years and Five (05) Month ↓

S. No.	Name of the Inst. / Employer	Position Held	Duration	Job Responsibilities
03.	Eternal University, Baru Sahib, Himachal Pradesh.	Assistant Professor (Botany)	16-08-2016 to Till date (04 Years)	Teaching cum Research (M.Sc. & B.Sc.)
02.	D.A.V. College Hoshiarpur, Punjab.	Assistant Professor (Botany & Agriculture)	22/07/2013 to 12-08-2016 (03 Years, 01 Months)	Teaching cum Research (B.Sc.)
01.	SGTB Khalsha College, Sri Anandpur Sahib, Punjab.	Assistant Professor (Botany & Agriculture)	07/01/2013 to 22/05/2013 (0 Years, 04 Months)	Teaching cum research (B.Sc.)

RESEARCH EXPERIENCE (Pre-PhD): Eight months ↓ (2011)

- Worked as a **Research Associate** in NMITLI Project on Genetic improvement of *Jatropha curcas* for adaptability and oil yields at National Bureau of Plant Genetic Resources (**NBPGR**), Regional Station, Ranchi, Jharkhand.

ORGANIZATIONAL, ADMINISTRATIVE AND ACADEMIC ASSIGNMENTS: ↓

14. Delivered a **Talk at CSIR-SRTP-2020** on 'Bio-cell unit as a Bio-electrochemical solar cell'; **July 08, 2020**.
13. **FDP** on LaTex & Xfig, organized by **A.N. College Patna & IIT-Bombay**, **May 11-17, 2020**.
12. **Organized (as Organizing Secretary) a DST-SERB sponsored National Conference** "New Insights In Biological and Environmental Sciences" at Department of Botany, Akal College of Basic Sciences, Eternal University, Baru-Sahib (H.P.). **May 24-25, 2019**.
11. **Paper Setter (External), Panjab University Chandigarh**, Examination-2019.
10. **Member** in seven days **INSPIRE camp** for the event of 'Recreational committee' and 'Laboratory experimentation & planning committee'. Eternal University, Baru-Sahib (H.P.). **January 3, 2018 to January 9, 2018**.
09. **Committee member** in **Kisan-Mela**, organized by Department of Agriculture, Eternal University Baru-Sahib (H.P.) in **2017 and 2018**.
08. **Faculty Co-ordinator** in **National Conference** "Advances in food science and technology-current trends and future perspectives". **Eternal University, Baru-Sahib, Himachal Pradesh. March-24-25, 2017**.
07. Active **Co-ordinated team member** of **Research & Development Committee** of **DAV College Hoshiarpur-2014-16**.
06. **Practical Examiner (External)** in the subject of Botany (B.Sc-Final III Year Annual Class) during **Panjab University, Chandigarh Examination-2016**.
05. **Paper Setter (External), Panjab University Chandigarh**, Examination-2015-16.
04. **Deputy Superintendent (External), Panjab University Chandigarh**, Examination-2016.
03. A Teacher (Plant taxonomist) to guide the students of Biology & Agriculture during the Botanical Excursion, Herbarium Collection and Field Study conducted at Dholbaha (Panjab), Kufri, Chail and high altitude areas in Shimla (Himachal Pradesh). Year-2014-2015.
02. **Deputy Coordinator** in **CEPTAM-04-DRDO Entry Test-2011**, Dated: **05-06-2011**.
01. **Research Scholar Representative (RSR)**, Department of Botany, **Punjabi University Patiala**, Punjab. Session/Year: **2009-2010**.

RESEARCH TECHNIQUES: ↓

- Meiotic analysis of wild plants.
- DNA extraction from plant leaf materials, PCR handling, Molecular Barcoding.
- Microtomy, microphotography (Nikon Eclipse - 80i digital system).
- Antimicrobial assay techniques; Histological analysis and Histo-chemistry of plant parts.
- Bio-informatics Tools: Molecular Sequence analysis, Sequence annotation, BLAST, FASTA, CLUSTAL X, CLUSTAL W, Sequence alignments, MEGA-v.-7, Seq. Matrix-v.1.7.6, Systematics & Phylogenetic analysis.

RESEARCH ADAPTABILITY AND GAIN: ↓

➤ Field Botany:

- In assessment of Cyto-morphological diversity of Labiatae and Scrophulariaceae from high altitude regions of North-west Himalaya.
- In assessment of Genetic variability in some economically important wild plants of North-West Himalaya.
- In assessment of field botany in medicinal plants of Bihar & Jharkhand growing at National Germplasm Garden, NBPGR, Ranchi.

➤ Molecular/ Bioinformatics tools:

- DNA extraction from plant leaf material & herbarium material, taxonomic markers and molecular sequence analysis.
- BLAST, FASTA, CLUSTAL X, CLUSTAL W, Sequence alignments, MEGA-7, Chromas Pro *ver.* 1.5, Matrix-v.1.7.6, Systematics & Phylogenetic analysis.

POSTAL MAILING ADDRESS: ↓

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House No. # 05.
Maccher Building, Maccher,
Baru-Sahib, Via. Rajgarh,
District: Sirmour,
Himachal Pradesh-173101.

DECLARATION: ↓

I hereby declare that the information furnished above is true to the best of my knowledge.

D. K. Srivastava

