PROFILE

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Qualification Ph.D. in Botany

Area(s) of Specialization: Ethnobotany, Medicinal Plant, Genetic diversity

Occupation/Designation: Teaching and Research/Professor

Major Activities: Currently engaged in ethnobotany of medicinal plants, their pharmacological properties and genetic diversity

Awards/Recognitions: NIL

Some related publications:

1. Siwach, P.; Singh, N. and **Yadav, J. P.** Biodiversity conservation strategies for medicinal and aromatic plants; present status and development needs. Proced. Nat. Seminar on "Role of Medicinal and Aromatic Plants in Ayurveda, Unani and Siddha Systems of Medicine". 2005: 41-43.
2. Saini, S., **Yadav, J. P.** and Kalia A. N. Hypoglycemic activity of Salvadora persica and S. oleoides in Diabetic albino rats. J. of Science and Pharmacy (2006) 7 (1): 5-12.
3. **Yadav, J. P.,** Suresh Kumar and P. Siwach. Folk medicine used in gynecological and other related problems by rural population of Haryana. Indian Journal of Traditional Knowledge (2006). 5 (3): 323-326. Impact Factor .399
4. **Yadav, J.P.,** and Minakshi. Effect of Milk Plant effluent on seed germination, soil and crop plants. Plant Archives (2006) 6 (2): 501-506. ISSN 09725210
5. **Yadav, J.P.,** and Minakshi. Effect of Sugar Mill and Milk Plant effluent on seed germination and early seedling growth of agricultural crops. Pollution Research (2006) 25 (4): 29-33.
6. **Yadav, J. P.**; Sushila Saini and Kalia, A.N. Botanical, cytological, phytochemical and pharmacognostical studies on *Salvadora* species. J. Med. & Aromatic Plant Sciences. (2006) 28: 231-238.
7. **Yadav, J. P.** and Minakshi. Impact of surgical effluent on germination, seedling growth and yield of selected crops. J. Ecotoxicol. Environ. Monit. (2007) 17 (2): 151-158.
8. **Yadav, J. P.** and Sushila Saini. Genetic characterization of Salvadora species using SDS-PAGE. Plant Archives (2007) 7 (1): 83-85. ISSN 09725210

9. Kumar, S.; Gupta, A. and **Yadav, J. P.** Fluoride removal by mixtures of activated carbon prepared from Neem (*Azadirachta indica*) and Kikar (*Acacia arabica*) leaves. Ind. J. Chemical Technology (2007) 14: 355-361. Impact Factor 0.606
10. **Yadav, J.P.**; Sushila Saini; A.N.Kalia and Anand Dangi. Hypoglycemic and hypolipidemic activity of ethanolic extract of *Salvadora oleoides* in normal and alloxan-induced diabetic rats. Indian J. Pharmacology (2008) 40 (1): 23-27. Citation Index 36. Impact Factor 0.583
11. Kumar, S.; Gupta, A. and **Yadav, J.P.** Removal of fluoride by thermally activated carbon prepared from neem *(Azadirachta indica*) and kikar (*Acacia arabica*) leaves. J. Environ. Biol. (2008) 29(2): 227-232. Impact Factor 0.48
12. **Yadav, J. P.** and Suman Lata. Ground water quality of District Jhajjar with special reference to Fluoride. Proceedings 16th National Symposium on Environment. (2008) 16: 107-111.
13. **Yadav, J. P.;** Suman Lata and Sunil Kumar. Fluoride distribution in underground drinking water sources of Jhajjar district, Haryana, India. Environment Geochemistry and Health. (2009) 31:431-438. DOI 10.1007/s10653-008-9196-3. Impact Factor 1.66
14. **Yadav,J.P.** and Sushila Saini. *Salvadora persica*: An Underutilised tree. Proceedings of workshop on Prospects and Problems in Production, Proceesing and Marketing of Medicinal and Aromatic Plants in Haryana, Hisar (2009)15-19.
15. Sanjay Yadav, Vedpriya Arya, Sandeep Kumar and **Yadav, J.P.** Plants of Haryana useful in dermatological disorders: An Ethnobotanical Survey. Phcog Rev. (2009) 3(5): 94-97.
16. **Yadav, J.P.** and Sushila Saini. Hypoglycemic activity of *Salvadora oleoids* and Salvadora persica in " Indigenous Medicinal Plants including Microbes and Fungi", edited by P. Kaushik, Today & Tomarrow's Printers and Publishers, 2009, pages 237-259.
17. Panghal, M., Chillar, S., Kumar, S. and **Yadav J.P**., Ethnobotanical studies of herbal Parks of Haryana, India. Plant Archives. (2009) 9(2): 599-606.
18. **Yadav, J.P**., Vedpriya Arya, Sanjay Yadav, Manju Panghal, Sandeep Kumar and Seema Dhankhar. *Cassia occidentalis* L.: A review on its ethnobotany, phytochemical and pharmacological profile. Fitoterapia (2010) 81:223-230. Impact Factor 2.231.
19. Panghal M, Arya V, Yadav S, Kumar S and **Yadav J.P.,** Indigenous knowledge of medicinal plants used by Saperas community of Khetawas, Jhajjar District, Haryana, India. *Journal of Ethnobiology and Ethnomedicine* 2010, **6**:4 (28 January 2010) doi: 10.1186/1746-4269-6-4. Impact Factor 2.42.
20. **Yadav, J.P.** and Manju. *Balanites aegyptiaca* (L.)Del. (Hingot): A Review of its Ethnomedicinal, Phytochemistry and Pharmacological properties. International J. Green Pharmacy. (2010) 4(3) 140-146.
21. Yadav, S., **Yadav, J.P.**, Arya, V. and Panghal, M., Role of Sacred groves in conservation of plant biodiversity in Mahendergarh district of Haryana. Ind. J. Trad. Knowledge. (2010) 9(4): 693-700. Impact Factor .399
22. Arya, V., Yadav, S. and **Yadav J. P**. Nanotechnology applications in management of pollution. In proceeding: National seminar on Environmental challenges: Sustainable Development (2010) 107 – 114.

23. Panghal, M., Kadayan, S., Sandeep Kumar and **Yadav J.P.** Some noxious Medicinal Plants in Haryana. In proceeding: National seminar on Environmental challenges: Sustainable Development (2010) 101-106.
24. Minakshi and **Yadav J. P.** Effect of R.R. Metal work on germination, seedling growth and yield of wheat. In proceeding: National seminar on Environmental challenges: Sustainable Development (2010) 339-344.
25. Arya V, Yadav S., Kumar S. and **Yadav J. P.** Antimicrobial activity of *Cassia occidentalis* (leaf) against various human pathogenic microbes. Lifescience and Medicine Research. Aston Journals. (2010) LSMR 9.
26. **Yadav J. P**., Kadyan S., Panghal M and Arya V. In proceeding: Metagenomics – a powerful tool for exploring the hidden microbial life. National seminar on Computing Life: Raw to Refine (2010) 32-37.
27. Vedpriya Arya and **Yadav J.P.** Antioxidant activity and total phenolics in leaves extract of *Cassia tora* L. Pharmacologyonline (2010) 2: 1030-1036.
28. Vedpriya Arya and **Yadav J.P**. 2011. Antioxidant Properties of the Methanol Extracts of the Leaves, Seeds and Stem of *Cassia occidentalis*. Research Journal of Medicinal Plant. (2011): 5(5) 547-556. H index 4
29. Vedpriya Arya and **Yadav J. P.** Comparative assessment of relative antioxidant activity of sequential leaf extracts of *Cassia occidentalis* L and *Cassia* tora L. Pharmacologyonline (2011) 1: 529-543.
30. Arya V., Yadav S., Kumar S. and **Yadav J. P.** 2011. Antioxidant activity of Organic and Aqueous leaf extracts of *Cassia occidentalis* L. in relation to their phenolic content. Natural Product Research. 25(15) 1473-1479. Doi: 10.1080/14786419.2010.545351 25(15) 1473-1479. Impact Factor 1.009.
31. Arya,V. Yadav, S. and **Yadav J. P**. (2011) Intra-specific Genetic Diversity of Different Accessions of *Cassia occidentalis* by RAPD Markers. Genetic Engineering and Biotechnology Journal, USA. GEBJ 22. Aston Journal, USA.
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33. Phanghal M., Kaushal V. & **Yadav J. P.** (2011) **In**- vitro antimicrobial activity of ten medicinal plants against clinical isolates of oral cancer cases. *Annals of Clinical Microbiology & Antimicrobials*. 10:21 doi: 10.1186/1476-0711-10-21. Impact Factor 1.71.
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35. Dhankar S., Kumar S., Dhankar S. and **Yadav J.P.** (2012). Antioxidant activity of fungal endophytes isolated from *Salvadora oleoides* Decne. International Journal of Pharmacy and Pharmaceutical Sciences. 4 (2): 380-385. Impact Factor 0.38.
36. Kumar S., Dhankar S., Arya V., Yadav S. and **Yadav J. P.** (2012). Antimicrobial activity of *Salvadora oleoides* Decne. against some microorganisms. Journal of Medicinal Plant Research. 6 (14): 2754-2760. Impact Factor 0.59. ISSN- 0975 – 1491

37. Yadav S., Arya V., Kumar S., Yadav M. and **Yadav J. P.** (2012) Ethnomedicinal. Flora of Dosi Hills of Mahandergarh District of Haryana, India. Annals of Biology. 28 (2): 213-222. ISSN 0970-0153.
38. Yadav S., Arya V., Kumar S. and **Yadav J. P. (**2012). Anti-inflammatory activity of root, leaves and stem of *Dipteracanthus patulus* (Jacq.) Nees (Acanthaceae). Asian Pacific Journal of Tropical Biomedicine. 2(1): S187-S191. Impact factor: 0.502. ISSN 1995-7645.
39. Kumar S. Yadav S., Kadyan S., Singh K., Singh, M. and **Yadav J.P.** (2012). DNA barcoding: A novel technique for plant taxonomist. Annals of Agri-Bio Research. 17 (2): 185-190. ISSN 0971-9660.
40. Panghal, M., Kaushal, V., Kadayan S. and **Yadav J.P.** (2012) Incidence and Risk Factors of infection in oral cancer patients undergoing different treatments protocols. BMC Oral Health. 12:22 ISSN: 14726831, H Index 15, DOI: 10.1186/1472-6831-12-22. Impact Factor 1.34.
41. **Yadav, J.P.** and Dhankar S. (2012). *Salvadora oleoides* Decene and its fungal endophytes in 'Current Trends in Biotechnology'. LAP Lambert Academic Publishing, Germany. Pages 159-181.
42. Ranwan, S. and **Yadav, J. P**. (2012). Seasonal variation in antibacterial activity of different parts of *Achyranthes aspera* against some bacteria. International J. of Medicinal and Aromatic Plants. 2(3): 369-375. ISSN 2249-4340.
43. Kumar S., **Yadav, J. P.** (2012). Assessment of genetic diversity using RAPD marker among different accession of *Salvadora oleoides* of North-West India. Bioresearch Bulletin. In Press.
44. Dhankhar, S., Dhankhar, S. and **Yadav J. P**. (2013). Investigations towards New Antidiabetic Drugs from Fungal Endophytes Associated with *Salvadora oleoides* Decne. Medicinal Chemistry. 9(4): 624-632. Impact Factor 1.496
45. Dhankar S., Dhankar S., Kumar S. and **Yadav J.P.** (2013). Investigating antimicrobial properties of endophytic fungi associated with *Salvadora oleoides* Decne. Anti-Infective Agents. Vol. 11 (1): 48-58.
46. Kadyan S., Panghal M., Kumar S., Singh K., **Yadav J.P**. (2013). Assessment of functional and genetic diversity of aerobic endospore forming Bacilli from rhizospheric soil of *Phyllanthus amarus* L. World Journal of Microbiology and Biotechnology. 29(9): 1597-1610. DOI: 10.1007/s11274-013-1323-3. Impact Factor 1.53.
47. Anurudh K. Singh and **Yadav, J.P.** (2013). Horticultural Biodiversity Heritage Sites in ' Biodiversity in Horticultural Crops Vol. 4'. Daya Publishing House, New Delhi. Pages 25-59.
48. Dhankhar, S. and **Yadav, J.P.** (2013). Endophytic Fungi: Novel and Potential Source of Bioactive Natural Products in 'Bioactive Phytochemicals: Perspectives for Modern Medicine. Vol. 2.Pages 307-325.
49. Saini, S. and **Yadav, J.P.** (2013). Antidiabetic and antihyperlipidemic effects of ethanolic extract of S*alvadora persica* L. on alloxan-induced diabetic rats. Der Pharmacia Sinica. 4 (3): 178-182. ISSN No. 0976-8688.
50. Saini, S. and **Yadav, J.P.** (2013). Karyomorphological Studies of two species of *Salvadora* (Salvadoraceae) from Western India. American International Journal

of Research in Formal, Applied & Natural Sciences. 2(1): 14-18. ISSN No.(Print): 2328-3777, ISSN (Online): 2328-3785.

51. Saini, S. and **Yadav, J. P.** (2013). Assessment of Genetic Variation in Natural Population of S. oleoides through Morphometric Analysis. Plant Archives. 13(1): 85-88.
52. Saini, S., Kumar S. and **Yadav, J. P.** (2013). Isozymic Electrophoretic Patterns of *Salvadora persica*. Biojournal. 8(1): 70-75. ISSN: 0970-9444.
53. Saini, S. and **Yadav, J. P.** (2013). Genetic variation in natural populations of *Salvadora oleoides*: An important medicinal plant that needs conservation. Asian Journal of Plant Science and Research. 3(5): 20-27.

Gene sequences submitted to National Centre for Biotechnology Information(NCBI), USA and Accession No. allotted.

1. SCAR Marker Sequence isolated to differentiate two species of *Salvadora* JPY SO5 446 bp was developed and NCBI allotted **Accession No. BankIt1528424 JQ 926182. 4th June, 2012.**
2. Nuclear Ribosomal DNA sequences **of** two New Aspergillus strains**.**
   i) ***Aspergillus* sp. JPY1,** NCBI allotted **Accession No. JN 900247.**
   ii) ***Aspergillus* sp. JPY1,** NCBI allotted **Accession No. JN 900248.**
3. 16S rRNA gene sequences of bacterial strains isolated from rhizospheric soil of *Phyllanthus amarus*: 22 Dec., 2012.

Sr. No.	Strain name	Accession numbers	Sr. No.	Strain name	Accession numbers
1	*B. marisflavi* JP44SK40	JX129227	29	*B. megaterium* JP44SK35	JX144725
2	*B. aquimaris* JP44SK28	JX144718	30	*B. aryabhattai* JP44SK11	JX144701
3	*B. megaterium* JP44SK1	JX144691	31	*Lysinibacillus sphaericus* JP44SK4	JX144694
4	*B. megaterium* JP44SK5	JX144695	32	*B. mycoides* JP44SK36	JX144726
5	*B. megaterium* JP44SK10	JX144700	33	*B. simplex* JP44SK26	JX144716
6	*B. megaterium* JP44SK18	JX144708	34	*B. simplex* JP44SK30	JX144720
7	*B. megaterium* JP44SK39	JX144729	35	*B. firmus* JP44SK20	JX144710
8	*B. aryabhattai* JP44SK38	JX144728	36	*B. flexus* JP44SK19	JX144709
9	*Lysinibacillus sphaericus* JP44SK3	JX144693	37	*Brevibacillus laterosporus* JP44SK51	JX155768
10	*Lysinibacillus xylanilyticus* JP44SK52	JX155769	38	*B. cereus* JP44SK22	JX144712
11	*B. licheniformis* JP44SK6	JX144696	39	*B. cereus* JP44SK27	JX144717

12	*Paenibacillus sp.* JP44SK7	JX144697	40	*B. cereus* JP44SK37	JX144727
13	*B. mycoides* JP44SK8	JX144698	41	*B. cereus* JP44SK43	JX155760
14	*B. mycoides* JP44SK9	JX144699	42	*B. cereus* JP44SK44	JX155761
15	*B. mycoides* JP44SK50	JX155767	43	*B. cereus* JP44SK45	JX155762
16	*B. simplex* JP44SK12	JX144702	44	*B. cereus* JP44SK33	JX144723
17	*B. simplex* JP44SK13	JX144703	45	*B. subtilis subsp. spizizenii* JP44SK23	JX144713
18	*B. simplex* JP44SK32	JX144722	46	*Terribacillus saccharophilus* JP44SK46	JX155763
19	*B. arsenicus* JP44SK14	JX144704	47	*Terribacillus goriensis* JP44SK47	JX155764
20	*B. firmus* JP44SK16	JX144706	48	*Brevibacillus laterosporus* JP44SK41	JX155758
21	*Bacillus* sp. JP44SK17	JX144707	49	*B. cereus* JP44SK42	JX155759
22	*B. marisflavi* JP44SK15	JX144705	50	*B. cereus* JP44SK34	JX144724
23	*B. simplex* JP44SK31	JX144721	51	*B. subtilis subsp. spizizenii* JP44SK24	JX144714
24	*B. simplex* JP44SK25	JX144715	52	*Staphylococcus sp.* JP44SK54	KC012991
25	*B. simplex* JP44SK29	JX144719	53	*Jeotgalibacillus sp.* JP44SK56	KC012993
26	*B. cereus* JP44SK49	JX155766	54	*Staphylococcus sp.* JP44SK57	KC012994
27	*Staphylococcus* sp. JP44SK53	KC012990	55	*B. megaterium* JP44SK2	JX144692
28	*Staphylococcus* sp. JP44SK55	KC012992	56	*B. megaterium* JP44SK21	JX144711

4. 16S rRNA gene sequences of Rhizospheric isolates of *Trigonella foenum graecum*, NCBI, USA Accession numbers. Sr. No. 1, 2 & 11 date of relesed is 24/08/2013

Sr. No.	Bacterial Strains	NCBI, USA Accession number	Sr. No.	Bacterial Strains	NCBI, USA Accession number
1	*Paenibacillus xylanexedens* strain TR51T2	KF425505	11	*Paracoccus aestuarii* strain TR13T1	KF425507
2	*Exiguobacterium profundum* strain	KF425506	12	*Leucobacter chromiireducens*	

	TR26T1			subsp. *chromiireducens* strain TR31T2	
3	*Staphylococcus gallinarum* Strain TR6T2	KF737153	13	*Exiguobacterium* sp. strainTR8T2	KF737154
4	*Bacillus pumilus* strain TR10T1	KF737155	14	*Acinetobacter lwoffii* strain TR18T2	KF737156
5	*Bacillus cereus* strain TR24T2	KF737158	15	*Acinetobacter lwoffii* strain TR25T2	KF737159
6	*Delftia lacustris* strain TR19T2	KF737157	16	*Bacillus thuringiensis* strain TR33T2	KF737160
7	*Staphylococcus saprophyticus* strain TR37T2	KF737161	17	*Bacillus altitudinis* strain TR38T1	KF737162
8	*Bacillus cereus* strain TR41T2	KF737163	18	*Arthrobacter nicotianae* strain TR42T1	KF737164
9	*Bacillus subtilis* TR47T2	KF737165	19	*Pseudomonas mendocina* strain TR49T2	KF737166
10	*Bacillus megaterium* strain TR 57T2	KF737167	20	*Pseudomonas stutzeri* strainTR62T1	KF737168