

CURRICULUM VITAE

NAME : DR. SUMITRA SINGH

PRESENT POSITION

PROFESSOR

Department of Pharmaceutical Sciences,
Guru Jambheshwar University of Science & Technology, HISAR-125 001 (Haryana)
Phone No: (01662) – 263554 ; Fax : (01662) – 276240; (01662) - 276025
E-mail : sumitra.singh32@gmail.com

EDUCATIONAL QUALIFICATIONS

Ph.D.

(Pharmaceutical Sciences) : Department of Pharmaceutical Sciences,
Guru Jambheshwar University Science & Technology
Hisar - 125 001

Master in Pharmacy : University Institute of Pharmaceutical Sciences
(Pharmacognosy) Panjab University Chandigarh - 160014 (India)

Bachelor in Pharmacy : University Institute of Pharmaceutical Sciences
Panjab University Chandigarh - 160014 (India)

TOTAL PROFESSIONAL EXPERIENCES (AS IN APRIL 2020) : 21 YEARS 3 MONTHS

UG/PG/PhD Teaching/Research : January 1999 to date/contd.....

ACADEMIC ACHIEVEMENTS

1. Shikshak Shree Award

Shikshak Shree Award by Antarrashtryia Samrasata
Manch conferred on Teacher's day 5 Sept, 2018, New Delhi

2. Mahila Shakti Shiromani Award

Mahila Shakti Shiromani Award by Antarrashtryia Samrasata
Manch conferred on Womens' day 7 March, 2019, New Delhi

3. Award for outstanding contribution in the field of research

IJRULA Title awards Winner 2018, Best researcher 2018 by International Journal for
Research under Literal Access (Accredited Idamas Learning and Training Center,
Malaysia)

4. Best Paper Award

Sumitra Singh, J. Britto Periyannagayam and S.K. Sharma

The paper entitled "Pollens as Food Supplement and Medicine, *Indian J. of Pharm. Edu.*, 38, April-June (2004)" official journal of the APTI has been awarded the Best Paper Award at The Annual Conference of Association of Pharmaceutical Teachers of India, at Nagpur, 17-18 October 2005.

2. Consolation Prize —

Sumitra Singh, Sharma, S.K., and Jaggi R.K.;

Tissue Culture Study on Stem of *Ocimum sanctum* Linn. *Perspectives in Medicinal and Aromatic Plants* Research & Development, CCS HAU, Hisar, March 7-8, [Abstract No. 25] (2002).

- 3. Chaired sessions** at many national and international Conferences as IPC, APTI national conference in MDU Rohtak 24th-26th October 2015, 69th IPC from 22th -24th December, 2017 at Chitkara University, Rajpura, Punjab on drug development from medicinal plants – issues & problems conducted by C.L. Baid Metha College of Pharmacy, Chennai, 22 Oct. 2005.

4. Member of Professional bodies: Life member of Indian Pharmaceutical Association, Mumbai

Association of Pharmaceutical Teacher of India, Bangalore

Editorship of various Journals

.Member of Expert Committee:

Member of Academic Council G.JU.S&T Hisar, Haryana
(13.9.2010-13.9.2012).

Member of Executive Council (Governor nominee), Bhagat Phool Singh
Mahila Vishwavidyalaya Khanpur Kalan (Sonipat)
(1.02.2019 – 31.01.2021)

Member of Departmental Research Committee and Board of
studies in Pharmaceutical Sciences in G.JU.S&T. Hisar, Haryana

Member of various committee like proctoral, Internal discipline
committee, Internal complaint committee etc. of the University

Member of Academic Bodies of various other Institutions like
MDU, Rohtak

Member of selection committee in various Universities

PATENT

1. Filed Jaspreet Kaur Sidana, Vipin Saini, **Sumitra Singh**, ParminderNain and Richa Shri, Herbal formulation of various stem bark extracts of *Citrus limon* vide reference no. **245/DEL/2013** dated **03/01/2013** and published in official journal of patent office, Govt. of India, New Delhi dated 22/08/2014

2. Filed patent **Sumitra Singh, Shiva** Medicated cloth for prevention and treatment of occupational skin diseases *vide* reference no. E/2/1931/2018/DEL, Application No. 201811042989, applied in patent office, Govt. of India, New Delhi dated 15 /12/2018.

BOOKS PUBLISHED

1. Sudhir K. Thukral, **Sumitra Singh** and Surendra Kr. Sharma **2018**. Hair Growth Potential of Thuja and Cupressus Leaves , Bio evaluation of Herbal Extracts used in Alopecia, Lambert Academic Publishing.
2. Rakesh K. Sindhu and **Sumitra Singh 2020**. **Text book of Herbal Drug Technology Semester VI**. Paging publishers , Delhi- 110091.
3. **Course Experts cum Course Writers Committee (2007-2008):**
For designing the syllabi of the courses in P.G. Diploma in Pharmaceutical Sales Management programme of Indira Gandhi National Open University, New Delhi.

BOOKS CHAPTER PUBLISHED

1. **Sumitra Singh. 2020**. Basic principles involved in Ayurveda, Siddha, Unani and Homeopathy; Paging publishers , Delhi- 110091.
2. **Sumitra Singh** Bhagwati Devi and Nidhi Sharma. 2020 Preparation and standardization of Ayurvedic formulation. Paging publishers , Delhi- 110091.
3. **Sumitra Singh** and Bhagwati Devi 2020. WHO and ICH guidelines for the assessment of herbal drugs. Paging publishers , Delhi- 110091.
4. **Sumitra Singh** and Bhagwati Devi 2020. Stability testing for herbal drugs. Paging publishers , Delhi- 110091.
5. **Sumitra Singh** and Bhagwati Devi 2020. Regulatory Issues – Regulations in India(ASU DTAB, ASU DCC), Regulation of Manufacture of ASU Drugs- Schedule Z of drugs and Cosmetics act for ASU DRU. Paging publishers , Delhi- 110091.
6. **Sumitra Singh** and Bhagwati Devi 2020. Patenting regulatory requirements of Natural Products. Paging publishers , Delhi- 110091.

EXTENSION WORK/ COMMUNITY SERVICE

As speaker on **All India Radio Hisar**, on the Topic related to awareness about Pharmacy and employment for youth --on 30/12/2017 and 23/07/2018.

RESEARCH PROJECTS COMPLETED

1. **UGC Major project entitled “ANTIPSORIATIC PLANTS”** under the research promotion scheme has been sanctioned, to Dr. Sumitra Singh, as Principal Investigator and **Prof. S.K. Sharma, Professor, as Co-Investigator (2009-2012) for Rs. 7.88 Lacs.**

RESEARCH WORK AND STATUS OF PH.D. STUDENTS

PhD Awarded

Rupinder Kaur(2012) Phytopharmaceutical Evaluation of some Medicinal Plants of Solan Region
Supervisor- **Dr.Sumitra Singh**, Co-Supervisor-Prof.(Dr) S.K.Sharma

Vijay Naresh (2013)-Study on some anti-inflammatory plants of south Haryana region Supervisor-
Dr.Sumitra Singh, Co-Supervisor-Prof.(Dr) S.K.Sharma

Jaspreet Kaur Sidana(2013)-Phytochemical and pharmacological studies on bark extracts of selected
Medicinal plants Supervisor-Dr.VipinSaini, Co-Supervisor-**Dr.Sumitra Singh**

Rajeinder Mann (2013)-Phytopharmaceutical Evaluation of some Medicinal Plants with Antihyperlipidemic
Activity Supervisor- **Dr.Sumitra Singh**, Co-Supervisor-Prof.(Dr) S.K.Sharma

Nidhi Sharma (2018) Standardization and development of herbal formulation for therapeutic management of
epilepsy. Supervisor- **Dr.Sumitra Singh**, Co-Supervisor- Dr.S.K.Singh

Shiva (2019) Development of formulation containing natural resources for therapeutic management of
occupational skin diseases in agricultural. Supervisor- **Dr.Sumitra Singh**, Co-Supervisor- Dr.S.K.Singh

PhD Pursuing

Kalindi Dev Effects of neuromuscular electrical stimulation in patients with Chronic Obstructive Pulmonary
Disease (**Thesis Submitted**) Supervisor- **Dr.Sumitra Singh**, Co-Supervisor- Dr.Gopal Nambi

Akash Phytochemical investigation of some dietary supplements for management of Alzheimer's disease:
Development of suitable drug delivery system for effective brain targeting. (**Thesis Submitted**) Supervisor-
Dr. Sumitra Singh

Bhagwati Devi Phytopharmacological evaluation of certain cucurbitaceae plants of southern Haryana and
formulation development from bioactive phytoconstituents
Supervisor- **Dr.Sumitra Singh**

Sonia Formulation and evaluation of suitable dosage form containing phytoconstituents for treatment of
alopecia Supervisor- **Dr.Sumitra Singh**

Neha Verma Phytopharmacological evaluation of certain plants of Aravalli Hills Haryana and formulation
development from bioactive phytoconstituents Supervisor- **Dr.Sumitra Singh**, Co-Supervisor- Dr.
Vikramjeet

M.PHARM AWARDED

31 Students

ASSOCIATION WITH NATIONAL AND STATE LEVEL BODIES

Member of Professional bodies: Permanent/Life Member of:

- Indian Pharmaceutical Association, Mumbai
- Association of Pharmaceutical Teacher of India, Bangalore

Member of Expert Committee:

- Member of Academic Council G.JU.S&T. Hisar, Haryana (13.9.2010-13.9.2012).
- Member of Departmental Research Committee in Pharmaceutical Sciences in G.JU.S&T. Hisar, Haryana
- Member of Academic Bodies of various other Institutions.

Member of executive council:

- Member of executive council (Governor's nominee), Bhagat Phool Singh Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat, Haryana (1.02.2019-1.02.2021)

PARTICIPATION IN EDUCATIONAL DEVELOPMENT PROGRAMMES

- UGC Sponsored Refresher Course in Pharmacy organized by Department of Pharmaceutical Sciences, Guru Jambheshwar University, Hisar. (30.01.2002-19.02.2002)
- - AICTE Sponsored Quality Improvement Programme organized by College of Pharmacy, University of Delhi Pushp Vihar, Sector-3, New Delhi. (24.03.2003-28.03.2003)
- -UGC Sponsored Orientation Course organized by Academic Staff College, Kurukshetra University, Kurukshetra, Haryana. (06.09.2003-03.10.2003)
- -UGC Sponsored Refresher Course in Pharmaceutical, Chemical and Health Sciences organized by UGC Academic Staff College, Guru Jambheshwar University of Science and Technology, Hisar. (07.05.2010-27.05.2010)
- UGC Sponsored Refresher Course in Information technology organized by UGC Academic Staff College, Guru Jambheshwar University of Science and Technology, Hisar. (21.01.2011-10.02.2011)
- National Workshop on "Intellectual Rights And Technology Commercialization" on March 18, 2013 at G.J.U. S&T Hisar, Haryana.
- 18th Annual Convention of Society of Pharmacognosy on "Promotion and Globalisation of Indian Herbal Products- Perspectives and Prospects" Organised by Department of Pharmaceutical Sciences Maharshi Dayanand University on 21st & 22nd February, 2014.

- Annual conference of Association of Pharmaceutical Teachers of India on “Indian Scenario of Pharmaceutical Education: Challenges and Future perspectives” Organised by Kurukshetra University, Kurukshetra on 22nd & 23rd August, 2014.

LIST OF PUBLICATION IN NATIONAL / INTERNATIONAL JOURNALS

- 1) **Sumitra Singh**, J. Britto Perianayagam and Sharma, S.K.; Pollens as Food Supplemented and Medicine, *Indian J. of Pharm. Edu.*, **38**, April-June (2004).
- 2) Raja Gopal K., J. Britto, **Sumitra Singh** and Sharma S.K.; Psoriasis (An Enigmatic Disease) - A Review. *The Antiseptic*, **102** (4 & 8), 202-205 (2005).
- 3) **Sumitra Singh** and Sharma, S.K.; Antibacterial Activity of Essential Oil and Root Extract of *Eucalyptus teriticornis*. *Indian J. Nat. Prod.*, **21**(1), 16-17, (2005).
- 4) **Sumitra Singh** and Sharma, S.K.; The In-vitro Antibacterial Efficiency of Essential Oil and Root Extract of *Coriandrum sativum* Linn. *J. Agricultural & Biological Res.*, **22**, 144-149, (2006).
- 5) Naveen Goyal, S.K. Sharma, **Sumitra Singh** and Neeru Vasudeva; Anagesic Activity of Root of *Abutilon indicum* Linn., *Hamdard Medicus*, **49** (4), 14-17 (2006).
- 6) N. Yadav, N. Vadudeva, **Sumitra Singh** and S.K. Sharma; An overview of *Chenopodium*: Phytochemical Profile, *J. of Medicinal & Aromatic Plants Sciences*, **28**, 247-262 (2006).
- 7) N. Yadav, N. Vadudeva, **Sumitra Singh** and S.K. Sharma (2007).; *Chenopodium*: A Potential Medicinal Plant, *Natural Product Radiance*.6(2) 131-134
- 8) N. Yadav, N. Vadudeva, **Sumitra Singh** and S.K. Sharma; Phytochemical and Pharmacognostical Studies on *Chenopodium* Root. *Hamdard Medicus*. **50** (1), 95-102 (2007).
- 9) Sharma S.K., **Sumitra Singh** and Naveen Goyal; Anti-inflammatory effects of various extracts of root of *Abutilon indicum* Linn. *Int. J. Chem. Sci.* **6**(3) 1236-1240(2008).
- 10) Sharma S.K., Naresh Kumar, **Sumitra Singh** and M.Ali; New aliphatic alcohol from *Ailanthus excelsa* Roxb.bark. *Asian Journal of Chemistry*. **20**(7), 5455-5460 (2008).
- 11) **Sumitra Singh**, Meenu Raheja and Sharma S.K.; Analgesic Activity on different extracts of *Cordia dichotoma* bark. *Indian J. Nat. Prod.* **24**(1), 21-24 (2008).
- 12) Sharma S.K., Naresh Kumar, **Sumitra Singh**; A Phytopharmacological review on genus *Ailanthus*; *Hamdard Medicus*. **51** (2), 24-38 (2008).
- 13) Naveen Goyal, **Sumitra Singh** and S. K. Sharma ; An Overview of *Abutilon* Spp.: Chemistry and Biological Profile, *Hamdard Medicus*, **52**(3), (2009).
- 14) **Sumitra Singh**, Sanjay K. Reddu, S. K. Sharma and Mohammad Ali; New Unsaturated Fatty acid from roots of *Bougainvillea* Willd. *Asian Journal of Chemistry*, **21**(6) 4744-4748(2009).

- 15) Naveen Goyal, **Sumitra Singh** and Surendra Kr Sharma; Analgesic Effects of Various Extracts of Root of *Abutilon indicum* Linn. *Journal of Pharmacy and Bioallied Sciences*, **1**(1), 50-53(2009)
- 16) **Sumitra Singh**, Vijay Naresh, Surendra Kr Sharma (2009). *Salvadora persica*: A Review; International Journal of Toxicological and Pharmacological Research **1**(2): 72-89.
- 17) **Sumitra Singh** and Sandeep Singh Sheoran; Evaluation of Hypoglycemic and Antidiabetic activity of *Amaranthus hybridus* Linn. root extracts: *Adv. Pharmacol. Toxicol.*, **11**(2), 1-8 (2010).
- 18) **Sumitra Singh**, Ashutosh Pareek, Avinash Narwaria; Laxative activity of a combination tablet of senna extract along with a carminative oil: *International Journal of Pharma Research and Development*, **2**(2), 2-6 (2010).
- 19) **Sumitra Singh** , Sandeep Singh, Surendra Kr. Sharma(2010); Antibacterial activity of *Amaranthus hybridus* Linn. root extracts: *International Journal of Applied Biology and Pharmaceutical Technology*, **1**(1), 46-49.
- 20) **Sumitra Singh** and Sandeep Singh Sheoran (2011). Evaluation of the Antinociceptive activity of *Amaranthus hybridus* linn. root extract. *Acta Poloniae Pharmaceutica- Drug Research*. **68**(2): 255-259.
- 21) **Sumitra Singh** , Sandeep Singh, Surendra Kr. Sharma and Mohammad Ali (2011). Fatty Acid Esters from Roots of *Amaranthus hybridus* Linn. *Asian Journal Of Chemistry*. **23**(1); 232-234.
- 22) **Sumitra Singh Dahiya**, Pooja Solanki (2011). Evaluation of *In Vitro* Anthelmintic Activity of Methanolic Extracts Of Different Parts Of *Spermacoce Articularis* L.F. *International Journal of Pharmacy and Pharmaceutical sciences*. **3**(5): 244-247.
- 23) **Sumitra Singh**, Rupinder Kaur and Surendra Kr Sharma (2012). An updated review on the *Oenothera* genus. *Journal of Chinese Integrative Medicine*. **10**(7): 717-725.
- 24) **Sumitra Singh**, Rupinder Kaur and Surendra Kr Sharma (2012). Pharmacognostical evaluation of *Oenothera rosea* L'Her. ex Aiton. root. *Journal of Pharmacy Research*. **5**(6), 3269-3271.
- 25) **Sumitra Singh**, Rajinder Mann, Surendra Kr Sharma (2012). Pharmacognostical standardization of stem of *Suaeda maritima* (L.) Dumort, *International Journal of Pharmacy and Pharmaceutical Sciences*, **4**(3): 304-306.
- 26) **Sumitra Singh**, Vijay Naresh and Surendra Kr. Sharma (2012). Pharmacognostical and Physico-Chemical Studies on the Stem Bark of *Salvadora oleoides* Decne. : A Medicinal Plant Indigenous to Southern Region of Haryana, India, *International journal of indigenous medicinal plant*, **29**(1): 1115-1123.
- 27) 19. **Sumitra Singh**, Vijay Naresh and Surendra Kr. Sharma (2012). Antibacterial activity of stem bark of *Salvadora oleoides* Decne. *International Journal of Pharmacognosy and Phytochemical Research* **4**(4); 234-237.

- 28) **Sumitra Singh**, Rajinder Mann, Surendra Kr Sharma (2012). Phytochemical analysis and pharmacognostical standardization of stem of *Cayratia trifolia* (linn.) Domin., *IJPSR*, 3(11): 4503-4506.
- 29) **Sumitra Singh**, Rupinder Kaur and Surendra Kr Sharma (2012). Evaluation of in vitro anthelmintic activity of *Oenothera rosea* L'Her. ex Aiton. stem and root. *Journal of Natural Product and Plant Resources*. 2(4): 534-539.
- 30) **Sumitra Singh**, Rupinder Kaur and Surendra Kr Sharma (2012). Investigation of in vitro anthelmintic activity of *Rumex hastatus* D. Don stem and root. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 3(4): 263-269.
- 31) **Sumitra Singh**, Rajinder Mann, Surendra Kr Sharma (2012). Pharmacognostical standardization of stem of *Suaeda maritima* (L.) Dumort, *International Journal of Pharmacy and Pharmaceutical Sciences*, 4(3): 304-306.
- 32) **Sumitra Singh** (2012). Chemical Constituents of Essential Oil from *Anethum Sowa* Kurz. Seed, *Journal of chemical and pharmaceutical research*, 4(9): 4156-4160.
- 33) **Sumitra Singh**, Rupinder Kaur and Surendra Kr Sharma (2013). Antinociceptive, antiinflammatory and antipyretic activities of *Rumex hastatus* D. Don stem and root. *Der Pharmacia Sinica*. 4(3): 95-102.
- 34) **Sumitra Singh**, Vijay Naresh, Surendra Kr Sharma (2013). Pharmacognostical and physicochemical studies on the stem bark of *Prosopis cineraria* (L.) Druce.: A medicinal plant indigenous to southwest asia. *Universal Journal of Pharmacy*. 02 (02):173-180.
- 35) **Sumitra Singh**, Rupinder Kaur and Surendra Kr Sharma (2013). Pharmacognostical evaluation of *Rumex hastatus* D. Don. root. *Asian Journal of Pharmaceutical and Clinical Research*. 6(2): 126-128.
- 36) **Sumitra Singh**, Rupinder Kaur and Surendra Kr. Sharma (2013). Pharmacognostical standardization of the roots of *Rumex hastatus* D. Don , *Asian Journal of Pharmaceutical and Clinical Research*, 6(2): 90-95.
- 37) **Sumitra Singh**, Rajinder Mann and Surendra Kr. Sharma (2013). Antihyperlipidemic activity of *Suaeda Maritima* (L.) Dumortier Stem in triton induced hyperlipidemic Rats, *International Journal of Research in Ayurveda and pharmacy* 4 (2) :203-206.
- 38) **Sumitra Singh**, Vijay Naresh, Surendra Kr Sharma (2013). Isolation of Novel Pytoconstituents from the bark *Salvadora oleoides* Decne. *International Journal of Herbal Medicine*, 1(02):9-13.
- 39) Sidana JK, Saini V, **Dahiya Sumitra**, Nain P, Bala S(2013). A Review on Citrus- "Te Boon of Nature"; *International of Pharmaceutical Science Review and Research*; 18(02): 20-27.
- 40) **Sumitra Singh**, Vijay Naresh, Surendra Kr Sharma (2013). Pharmacognostic Studies on the Leaves of *Prosopis cineraria* (L) Druce., *Journal of Pharmacognosy and Phytochemistry*, 2(1): 320-325
- 41) **Sumitra Singh**, Vijay Naresh, Surendra Kr Sharma (2013). Pharmacognostic Parameters of *Salvadora oleoides* Decne. Leaves. *Asian Journal of Pharmaceutical Research and Development*. 1 (3): 71-76.

- 42) **Sumitra Singh**, Bhagwati Devi (2013). Anthelmintic activity of *Cyamopsis tetragonoloba* (L.) Taub. *International Journal of Pharmaceutical Research and Development* 5(3): 15-21.
- 43) **Sumitra Singh**, Shiva (2013). *In-vitro* anthelmintic activity of stem bark and seed capsules of *Callistemom lanceolatus* (Sm.) Sweet. *Der Pharmacia Sinica*. 4(4): 97-102.
- 44) **Sumitra Singh**, Sanjay, Surendra Kumar Sharma (2013). Anthelmintic potential of Stem bark and Roots of *Alstonia scholaris* (L.) R.Br. *World Journal of Pharmacy and Pharmaceutical Sciences*. 2(5): 3807-3817.
- 45) **Sumitra Singh** and Sudhir K. Thukral (2014). Pharmacognostical standardization of leaves of *Thuja orientalis* (Linn.). *Der Pharmacia Lettre*. 6(3): 15-19.
- 46) **Sumitra Singh** and Sonia Naresh Kumar (2014). A Review: Introduction to genus *Delonix*. *World Journal of Pharmacy and Pharmaceutical Sciences*. 3(6): 2042-2055
- 47) **Sumitra Singh**, Sudhir K. Thukral and Surendra Kr Sharma (2014). Pharmacognostical standardization of leaves of *Cupressus macrocarpa* Hartweg. ex. Gorden, *Journal of Applied Pharmaceutical Science*. 4(05): 071-074.
- 48) **Sumitra Singh** and Nidhi Sharma (2014). Evaluation of Wound Healing Activity of *Acacia auriculiformis* A. Cunn. Stem Bark. *Asian Journal of Pharmaceutical and Clinical Research*. 7(2): 204-207.
- 49) **Sumitra Singh** and Bhagwati Devi (2016). *Cyamopsis tetragonoloba* (L.) Taub.: A Phytopharmacological Review. *International Journal of Pharmacy and Pharmaceutical Research. Human Journal*. 7(4): 165-174.
- 50) **Sumitra Singh** and Bhagwati Devi Rohilla (2016). Formulation and Evaluation of Herbal Gel from Different Parts of *Cyamopsis Tetragonoloba* (L.) Taub. For Wound Healing. *World Journal of Pharmacy and Pharmaceutical Sciences*.5(3): 740-752.
- 51) **Sumitra Singh**, Nidhi Sharma. Evaluation of *in vitro* anti arthritic activity of *Acacia auriculiformis* A. Cunn. ex. Benth. stem bark. *World Journal of Pharmacy and Pharmaceutical Sciences*. 2016; 5(2): 1659-1664.
- 52) **Nidhi Sharma**, **Sumitra Singh** and **Shailendra K. Singh**. Review on phytopharmacological properties of *Acacia auriculiformis* A. Cunn. ex. Benth. *Inventi Rapid: Planta Activa* 2016; 1: 1-6
- 53) **Anil Kumar**, **Nidhi Sharma**, **Manveen Bhardwaj**, **Sumitra Singh**. A Review on Chemical Induced Kindling Models of Epilepsy. *Journal of Veterinary Medicine and Research*. 2016; 3(3): 1050.

- 54) Jangra, Pankaj, Joginder Singh, and Sumitra Singh. "Antimicrobial activity of leucas cephalotes spreng." *International Journal of Pharmaceutical Sciences and Research* 7, no. 7 (2016): 2984-2989.
- 55) Kumar, Davinder, Virender Kumar, Pankaj Jangra, and Sumitra Singh(2016). "Leucas cephalotes (Spreng): Photochemical investigation and antimicrobial activity via cylinder-plate method or cup-plate method."
- 56) **Sumitra Singh**, Sharma Nidhi & Singh Shailendra. (2017). Protective effect of *Cyperus scariosus* R. Br. root ethanol extract against pentylenetetrazole and isoniazid induced seizures in mice. *International Journal of herbal medicine*,2321-2187. 23
- 57) . **Sumitra Singh** Sharma Nidhi , & Singh Shailendra. (2017). Pharmacognostical standardization and preliminary phytochemical investigations on *Acacia auriculiformis* A. Cunn. Ex. Benth stem bark. *Journal of Medicinal Plants Studies*. 39
- 58) .**Sumitra Singh** ,Shiva, Shailendra kumar Singh.(2017) Prevalence of occupational skin diseases among rice field workers in Haryana. *International Journal of Community Medicine and Public Health*,; 4(4):1011-1017
- 59) **Sumitra Singh**, Sharma Nidhi & Singh Shailendra. (2017). Development of Quality Control Parameters for Standardization of *Cyperus scariosus* R.Br. Roots. *International Journal of Pharmacognosy and Phytochemical Research*.
- 60) Aakash, **Sumitra Singh** and Shailendra kumar Singh. Phytoconstituents estimation of *Lepidium sativum* L. seed extract using GC-MS spectroscopy. *WJPS*, 2017; 7(1): 1360-1367.
- 61) **Sumitra Singh** and Bhagwati Devi. Phytopharmacological Evaluation of *Momordica balsamina* Linn. from Southern Haryana, India; *Kenkyu Journal of Pharmacy Practice & Health Care*, 2018; 4:6-23.
- 62) Dikasha Kataria, **Sumitra Singh** and Neeru Vasudeva. Standardization Parameters of Flowers of *Verbesina encelioides* (Cav.) Benth. & Hook. f. ex A. Gray and its Preliminary Phytochemical Screening; *Asian Journal of Biochemical and Pharmaceutical Research*. Special Issue (2018), pp. 16–20.
- 63) Sakshi Sharma, Neeru Vasudeva, **Sumitra Singh**, Sneha Das. Formulation and evaluation of post laser herbal cream. *International Journal of Green Pharmacy*, 2018:1-5.
- 64) Shiva, **Sumitra Singh**, Shailendra Kumar Singh. Investigation of phytoconstituents in stem bark of *Ficus benghalensis* Linn. using GC-MS technique. *International Journal of Pharmaceutical Sciences and Research*, 2018; 9(6):1000-07.
- 65) Shiva and **Sumitra Singh**. Quality parameters for standardization of *Ficus religiosa* linn. stem bark: an update. *World Journal of Pharmaceutical Research*, 2018; 7(7):1943-1950.

- 66) Kalindi Dev, **Sumitra Singh**, Gopal Nambi, Stephen Bernard, Shanmuganath E. Effect of high frequency (HF) Neuro muscular electrical stimulation of lower limb muscles on pulmonary functions among COPD subjects. IJCRT, 2018;6(1):1649-1654.
- 67) **Sumitra Singh** and Sonia. Pharmacognostical evaluation and phytochemical analysis of *Delonix regia* rafin. stem bark. IJPSR, 2018; vol. 9(5): 1908-1912.
- 68) **Sumitra Singh**, Parul and Nidhi Sharma. Medicinal Potential of Weed *Echinochloa colona* (L.) Link: A Review; International Journal of Pharmacognosy and Phytochemical Research 2018; 10(3); 98-102.
- 69) Kalindi Dev, **Sumitra Singh**, Gopal Nambi. A case study: Effect of myofascial release in intercoastal and paravertebral muscles on oxygen saturation, dyspnea and respiratory rate among COPD subject. IJCRT, 2018; 6(1): 1483-1487.
- 70) Akash, **Sumitra Singh**, Singh SK.; Antioxidant and anti-inflammatory effects of *Phaseolus vulgaris* L. seeds ethanol extract: An In-vitro study; International Research Journal of Pharmacy, 2018; 9 (8): 1-6.
- 71) **Sumitra Singh**, Bhagwati Devi. Estimation of Phytoconstituents from *Citrullus colocynthis* (L.) Schrad Roots Extract by GC-MS Spectroscopy. International Journal of Science and Research, 2018; 7(7): 648-652.
- 72) Sonia, **Sumitra Singh**, Singh SK.; Phytoconstitents of *Ziziphus nummularia* (Burm. f.) Wight and Arn. Leaves extracts using GC-MS Spectroscopy, STM Journals, Research and Review: A Journal of life Science, 2019; 9:1; 109-118.
- 73) Akash, **Sumitra Singh**, Singh SK.; Pharmacognostical standardization and preliminary phytochemical explorations on *Salvia hispanica* L. seeds; Journal of Drug Delivery and Therapeutics, 2019; 9(1-s): 139-143.
- 74) **Sumitra Singh** and Bhagwati. Anti-inflammatory activity of *Cucumis melo* L subsp. *agrestis* (Naudin) Pangalo, International Journal of Pharmaceutical Sciences and Research, 2020; 11(8): 1000-05.

RESEARCH PAPERS IN NATIONAL/INTERNATIONAL SYMPOSIA/ CONFERENCES

1. **Sumitra Singh**, Sharma, S.K., and Jaggi R.K.; Tissue Culture Study on Stem of *Ocimum sanctum* Linn. *Perspectives in Medicinal and Aromatic Plants* Research & Development, CCS HAU, Hisar, March 7-8, [Abstract No. 25] (2002).
2. Britto Perianayagam, **Sumitra Singh** and Sharma, S.K.;

Role of 'Standards' in Indian Systems of Medicine, *World Ayurveda Congress - 2002*, Kochi, Kerala, November 1-4 [Abstract No. 04] (2002).

3. Britto Perianayagam, **Sumitra Singh** and Sharma, S.K.;
Quality Control of Herbal Extracts/Drugs, *World Ayurveda Congress-2002*, Kochi, Kerala, November 1-4 [Abstract No.15] (2002).
4. Britto Perianayagam, **Sumitra Singh** and Sharma, S.K. and M.P. Singh;
Preliminary Antimicrobial Activity of Some Traditional Anti-Acne Plants. *51st Indian Pharmaceutical Congress*, Pune, December 13-15, [Abstract No. DP 44] (2002).
5. **Sumitra Singh**, J. Britto Perianayagam, and Sharma, S.K.;
Essential Oils and Acne. *Emerging Trends in Research and Business, Management of Medicinal and Aromatic Plants*, CCS HAU, Hisar, March 11-13, [Abstract No. 102] (2003).
6. **Sumitra Singh** and Sharma, S.K.;;
Application of Essential Oils and Aromatherapy. *Emerging Trends in Research and Business, Management of Medicinal and Aromatic Plants*, CCS HAU, Hisar, March 11-13, [Abstract No. 109] (2003).
7. **Sumitra Singh** and Sharma, S.K. and Singh, M.P.;;
Antimicrobial Studies of Extracts of Some Aromatic Plants, *55th Indian Pharmaceutical Congress*, Chennai, December 19-21, [Abstract No. D-14], (2003).
8. Vivek Kumar, **Sumitra Singh**, and Sharma S.K.;;
Some Indian Traditional Medicinal Plants with Antioxidant Potential: A Study. *55th Indian Pharmaceutical Congress*, Chennai, December 19-21, [Abstract No. DP 30], (2003).
9. Jagbir Chahal, **Sumitra Singh**, N. Vasudeva and Sharma, S.K.;;
Evaluation of Insecticidal Activity of *Citrullus colocynthis* Fruits. *National Seminar on Research and Developments in Production, Protection, Quality, Processing and Marketing of Medicinal and Aromatic Plants*, CCSHAU, Hisar February 27-29, [Abstract No. 9], (2004).
10. **Sumitra Singh**, Vivek Kumar and Sharma, S.K.;;
Evaluation of Antimicrobial Potential of Lemon Peel: A Study. *National Seminar on Research and Developments in Production, Protection, Quality, Processing and Marketing of Medicinal and Aromatic Plants*, CCSHAU, Hisar, February 27-29, [Abstract No. 14], (2004).
11. Ajay Pal Singh, **Sumitra Singh**, N. Vasudeva and Sharma, S.K.;;
Herbal Medicines for Asthma : A Review. *National Seminar on Research and Developments in Production, Protection Quality, Processing and Marketing of Medicinal and Aromatic Plants*, CCS HAU, Hisar, February 27-29, [Abstract No. 10], (2004).
12. Vivek Kumar, **Sumitra Singh** and Sharma S.K.;;
Ficus Plants: A Crucial Role in Medicines. *National Seminar on Research and Developments in Production, Protection, Quality, Processing and Marketing of Medicinal and Aromatic Plants*, CCS HAU, Hisar, February 27-29, [Abstract No. 6], (2004).
13. Naveen Goyal, **Sumitra Singh**, N. Vasudeva and Sharma, S.K.;;

Exploitation of Indian Mellow as a Potential Commercial Drug. *National Seminar on Research and Developments in Production, Protection, Quality, Processing and Marketing of Medicinal and Aromatic Plants*, CCSHAU, Hisar, February 27-29, [Abstract No. 11], (2004).

14. N. Yadav, Ajay Pal Singh, N. Vasudeva, Sharma, S.K., and **Sumitra Singh**;
Chenopodium : A Natural Anti-inflammatory Plant Drug. *International Convention of APTI*, Visakhapatnam, October, 2-3, [Abstract No. PPT- 011] (2004).
15. Chavvi, Naveen Goyal, Sharma, S.K., N. Vasudeva and **Sumitra Singh**;
Preliminary Phytochemical Screening and Antimicrobial Studies on *Azadirachta indica* fruit extract. *International Convention of APTI*, Visakhapatnam, October, 2-3, [Abstract No. PPR-009] (2004).
16. **Sumitra Singh**, Sharma, S.K. and Neeraj Dilbagi;
In vitro Screening of Certain Aromatic Plants as Potential Antibacterial. 56th *Indian Pharmaceutical Congress*, Kolkata, December 3-5, [Abstract No. DP 19] (2004).
17. Neerja Yadav, Jagbir, Vasudeva, N., Sharma, S.K., **Sumitra Singh** and Prakash, S.
Anti-inflammatory Potential of *Chenopodium album* Linn. Roots. *National Seminar on Recent Advances in Medicinal & Aromatic Plants* .SVBPUA & T, Meerut, 15-17 February (2005) [Abstract P. No. 44].
18. Gupta, V., Gupta, M., **Sumitra Singh** and Sharma, S.K. ;
Psoriasis Therapy using Herbs. *National Seminar on Recent Advances in Medicinal & Aromatic Plants* .SVBPUA & T, Meerut, 15-17 February (2005) [Abstract P. No. 87].
19. Chahal, J., Sharma, S.K., **Sumitra Singh**, Vasudeva, N. and Singh, A.P. ;
Preliminary Phytochemical and Pharmacological Studies on Root of *Citrullus colocynthis* (L.) Schard. *National Seminar on Recent Advances in Medicinal & Aromatic Plants* .SVBPUA & T, Meerut, 15-17 February (2005) [Abstract P. No. 43].
20. Chahal, J., Sharma, S.K., **Sumitra Singh**, Vasudeva, N. and Singh, A.P. ; Evaluation of Analgesic Activity of *Abitulon indicum* Linn. *National Seminar on Recent Advances in Medicinal & Aromatic Plants*.SVBPUA & T, Meerut, 15-17 February (2005) [Abstract P. No. 43].
21. Singh, A.P., **Sumitra Singh**, Chaudhry, A., Sharma, S.K., Vasudeva, N. and Goyal, N. ;
In Vitro Micropropagation of *Boerhaavia diffusa* Linn. *National Seminar on Recent Advances in Medicinal & Aromatic Plants*.SVBPUA & T, Meerut, 15-17 February (2005) [Abstract P. No. 42].
22. Chhavi, Sharma, S.K., **Sumitra Singh**, Vasudeva, N., Neerja and Prakash, S. ;
Turmeric : A Crucial Medicinal Plant. *National Seminar on Recent Advances in Medicinal & Aromatic Plants*.SVBPUA & T, Meerut, 15-17 February (2005) [Abstract P. No. 41].
23. N. Yadav, N. Vasudeva, **Sumitra Singh** and Sharma, S.K. ;
Analgesic Activity of *Chenopodium album* Linn. *International Conference on Drug Development from Medicinal Plants : Issues and Problems*. Chennai, 20-22 October (2005) [Abstract No. AAA-26].
24. P. Singh, **Sumitra Singh**, A. Chaudhry, N. Vasudeva and Sharma, S.K. ;

Evaluation of Analgesic Activity of *Boerhaavia diffusa* Linn. Callus culture. *International Conference on Drug Development from Medicinal Plants : Issues and Problems*. Chennai, 20-22 October (2005) [Abstract No. AAA-30].

25. **Sumitra Singh** and Sharma, S.K.;
In vitro Screening of Essential Oil and Roots of *Citrus reticulata* Blanco. var *Kinnow Mandarin* as Potential Antibacterial Agent. *International Conference on Drug Development from Medicinal Plants : Issues and Problems*. Chennai, 20-22 October (2005) [Abstract No. AM-29].
26. Naveen Goyal, Sharma, S.K., **Sumitra Singh**, N. Vasudeva and Atul Kr. Gupta;
Effect of Brand on Therapeutic Efficacy : A Survey in Hisar Region. *International Workshop on Adverse Drug Reaction Monitoring & 5th Annual Conference of Society of Pharmacovigilance (India)*. Ahmedabad, 11-13 November (2005) [Abstract No. POV1].
27. **Sumitra Singh** and Sharma, S.K.;
A Study of the Antifungal and Antibacterial Activity of Some Essential Oils. *CSPS 9th International Symposium on Pharmaceutical Sciences : Current Scientific Regulatory Challenges in Drug Development and Safety*, Edmonton, Canada, May 25-26, [Accepted/Not presented], (2006).
28. Sharma, S.K., Vineet Mittal and **Sumitra Singh**;
Evaluation of Antimicrobial Activity of *Plumbago zeylanica* Linn. Callus. *APTI 11th Annual National Convention*, Bangalore, September 1- 3, (2006).
29. Pareek Ashutosh, **Singh Sumitra**, Sharma Surendra Kr. and Narwaria Avinash;
Bishop's Weed: A Potential Medicinal Plant, *National Seminar on Emerging Challenges in Harnessing plant Biodiversity, Marketing and Export Potential of Medicinal and Aromatic Plants*, 28-30 January (2008) [Abstract No. MQ-2]
30. **Singh Sumitra**, Pareek Ashutosh and Sharma Surendra Kr.;
Cassia angustifolia: A Natural Laxative Gift, *National Seminar on Emerging Challenges in Harnessing plant Biodiversity, Marketing and Export Potential of Medicinal and Aromatic Plants*, 28-30 January (2008) [Abstract No. MQ-39].
31. Sharma Surendra Kr., Saini Ginny and **Singh Sumitra**;
Citrus limon peel: a lead antidote, *National Seminar on Emerging Challenges in Harnessing plant Biodiversity, Marketing and Export Potential of Medicinal and Aromatic Plants*, 28-30 January (2008) [Abstract No. MQ-41]
32. Sharma Surendra Kr., Vasudeva Neeru, Kumar Rakesh and **Singh Sumitra**;
Severe Acute Respiratory Syndrome and Herbal Drugs, *12th Annual National Convention of Indian Society of Pharmacognosy*, Moga, 23-24 February (2008) [Abstract No. PP 36]
33. Renu, **Singh Sumitra** and Sharma Surendra Kr.;
Role of Bioinformatics in Herbal Drugs, *12th Annual National Convention of Indian Society of Pharmacognosy*, Moga, 23-24 February (2008) [Abstract No. PP 36]
34. Sharma Surendra Kr., Saini Ginny and **Singh Sumitra**;
In Vitro Propagation of *Citrus limon* peel, *12th Annual National Convention of Indian Society of*

Pharmacognosy, Moga, 23-24 February (2008) [Abstract No. PP 36].

35. Sharma Surendra Kr., Chetna and **Singh Sumitra**;
Nanotechnology: A Technique to revolutionize herbal drug delivery, *12th Annual National Convention of Indian Society of Pharmacognosy*, Moga, 23-24 February (2008) [Abstract No. PP 36]
36. Sharma Surendra Kr., Sandeep Singh and **Singh Sumitra**;
Amaranthus: A Potent Commercial Medicinal Plant, National Conference on Increasing Production and Productivity of Medicinal & Aromatic Plants through Traditional Practices, 18-20 September (2008) [Abstract No. P 13]
37. **Sumitra Singh**, Vijay Naresh and Sharma S.K.;
“Study on *Salvadora persica*: An endangered Traditional Plant of Southern Haryana” Poster no.: 258, *International Conference on New development in Drug Discovery from Natural Products and Traditional Medicine*, NIPER, Mohali, 16-20 November, (2008)
38. Sharma S.K, Ginny Saini and **Sumitra Singh**;
“Studies on *Citrus limon* (Linn.) Burn F. Peel” 96th *Indian Science Congress*, Shillong, 03-07 Jan., (2009).
39. Naveen Goyal, **Sumitra Singh** and S. K. Sharma;
Impact of Bedwetting on Quality of Life, APTI National Seminar on “Emerging Trends in Drug Discovery and Formulation Development” Sirsa, February 21, 2009.
40. N. Goyal, **Sumitra Singh** and S. K. Sharma;
Herbs as Antimalarial agents: Lead and Challenges, APTI National Seminar on “Emerging Trends in Drug Discovery and Formulation Development” Sirsa, February 21, 2009.
41. **Sumitra Singh**, S. K. Sharma and Naveen Goyal;
Oral Contraceptive Pills and Hypertension, APTI National Seminar on “Emerging Trends in Drug Discovery and Formulation Development” Sirsa, February 21, 2009.
42. **Sumitra Singh** and Bhagwati devi;
Medicinal potential of *Cyamopsis tetragonoloba* (L.) Taub. IPGA national convention on “The Future of Pharmacist: A Healthcare Professional” held at Kurukshetra University, Kurukshetra on November 17-18, 2012.
43. **Sumitra Singh**, Surendra Kumar Sharma and Shiva;
IPGA national convention on “The Future of Pharmacist: A Healthcare Professional” held at Kurukshetra University, Kurukshetra on November 17-18, 2012.
44. **Sumitra Singh** and Nidhi Sharma;
IPGA national convention on “The Future of Pharmacist: A Healthcare Professional” held at Kurukshetra University, Kurukshetra on November 17-18, 2012.
45. **Sumitra Singh** and Bhagwati Devi “Medicinal floristic wealth of southern Haryana: A study” in 2nd APTI National Conference at MDU Rohtak organized by APTI Haryana, 24,25, Oct 2015.[AbstractNo- 141]
46. **Sumitra Singh**, Surendra Kumar Singh and Shiva“” in 2nd APTI National Conference at MDU Rohtak organized by APTI Haryana, 24, 25, Oct 2015.[AbstractNo- 175]
47. **Sumitra Singh**, Surendra Kumar Singh and Nidhi Sharma“Pharmacognostical Standardization and Preliminary Phytochemical screening of *Acacia auriculiformis* A.Cunn. ex. Benth Stem Bark” 2nd

- APTI National Conference at MDU Rohtak organized by APTI Haryana, 24, 25, Oct 2015.[AbstractNo- 189]
48. Poster Presentation on “Role of herbal nanoformulations in therapeutic management of epilepsy.” 1st IBRO/APRC Chandigarh Neuroscience Symposium Organised by University PAPERS PRESENTED IN CONFERENCES Institute of Pharmaceutical Sciences, UGC Centre of advanced study (UGC-CAS) Panjab University, Chandigarh on 5 th Feb. 2016.
 49. Poster Presentation on “Pharmacognostical standardization of *Cyperus scariosus* R. Br. roots” National Conference on Recent trends in health care organized by Department of Pharmaceutical Sciences, Guru Jambheshwar University of Science & Technology, Hisar on 14th March, 2016.
 50. 2 nd Neuro Science Update-2016, A National CME Programme Organized by Faculty of Medical Sciences, Guru Jambheshwar University of Science and Technology, Hisar in collaboration with Indian Medical Association (Hisar Chapter), Haryana held on 29 May, 2016.
 51. Poster presentation on “Nanomedicine-new trends in healthcare industry” in one day national workshop on “Recent trends in health care” organized by faculty of medical science on 14th March, 2016 at Guru Jambheshwar University of Science & Technology, Hisar.
 52. Shiva, Sumitra Singh and Shailendra Kumar Singh presentation on “Raman Spectroscopy in Dermatology” in two days national conference entitled “Analytical techniques and their applications” organized by Dr. A.P.J. Abdul Kalam Central instrumentation Laboratory from 16th -17th March, 2017 at Guru Jambheshwar University of Science & Technology, Hisar.
 53. Bhagwati and Sumitra Singh presentation on “High performance thin layer chromatography: A combinatorial approach” in two days national conference entitled “Analytical techniques and their applications” organized by Dr. A.P.J. Abdul Kalam Central instrumentation Laboratory from 16th -17th March, 2017 at Guru Jambheshwar University of Science & Technology, Hisar.
 54. Sonia, Sumitra Singh and Shailendra kumar Singh presentation on “GC-MS analytical technique-Role in herbal medicine” in two days national conference entitled “Analytical techniques and their applications” organized by Dr. A.P.J. Abdul Kalam Central instrumentation Laboratory from 16th -17th March, 2017 at Guru Jambheshwar University of Science & Technology, Hisar.
 55. Aakash, Sumitra Singh and Shailendra kumar Singh presentation on “Standardization of ethanol extract of *Phaseolus vulgaris* L. seeds”, 4th NeuroScience updates, 2017.
 56. Shiva, Sumitra Singh and Shailendra kumar Singh presentation on “Awareness about health among agricultural workers in haryana” in three days 69th IPC from 22th -24th December, 2017 at Chitkara University , Rajpura, Punjab.
 57. Sonia, Sumitra Singh and Shailendra kumar Singh presentation on “Pharmacognostical standardization of *Tribulus terrestris* L. fruits” in three days 69th IPC from 22th -24th December, 2017 at Chitkara University , Rajpura, Punjab.
 58. Presented an E-Poster on “Role of Inflammation in Diabetes” in Pharma Ratan Award Ceremony and International Pharmaceutical Conference at New Delhi (November, 2017).
 59. Poster presented on “Mental Disorders and Its Herbal Treatment” in 2nd Annual Conference of Society for Rural Mental Health at CCSHAU, Hisar, Haryana (October, 2017).
 60. Presented a Poster on “Standardization parameters of leaf extract of *Verbesina encelioides* (Cav.) Benth. & Hook f. ex. A Gray” in International Conference on Challenges for Global Competitiveness of AYUSH and Natural Products at DPSRU, New Delhi (February, 2018).

61. Presented a full length paper on “Standardization Parameters of Flowers of *Verbesina encelioides* (Cav.) Benth. & Hook. f. ex A. Gray and its Preliminary Phytochemical Screening” in REACH-1st National Conference on Recent Advances and Challenges in Healthcare at GD Goenka University, New Delhi (March, 2018).
62. Bhagwati and Sumitra Singh Oral presentation on Phytoconstituents Estimation of *Citrullus Colocynthis* (L.) Schard Root Extract By GC-MS Spectroscopy; in the PHYTOCON 2018-International Conference on “Commercialization of Medicinal Plant Products: Lab Techniques to Trade” April 14, 2018 organized by School of Pharmaceutical Sciences, Lovely Professional University, Panjab.
63. Bhagwati and Sumitra Singh Poster Presentation on Standardisation and Preliminary Phytochemical Studies on *Momordica balsamina* Linn. Fruits; in International Conferences on Challenges for Global Competitive of Ayush and Natural Products and IASTAM Oration and Award Function 2018, Feb 2-4, 2018.
64. Bhagwati and Sumitra Singh 2019, Attended international workshop on “Ethanopharmacology- Challenges and opportunities at the face of globalization” organized by GIAN (Global Initiative of Academic Networks) MHRD , December 14-18, 2019.
65. Savina and Sumitra Singh 2019, Attended international workshop on “Ethanopharmacology- Challenges and opportunities at the face of globalization” organized by GIAN (Global Initiative of Academic Networks) MHRD , December 14-18, 2019.