

Bio Data



Dr. Munish Garg

M. Pharm. PhD

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Faculty of Pharmaceutical Sciences,
Maharshi Dayanand University,
Rohtak-142001, Haryana
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Subject Area: Pharmaceutical Sciences (Pharmacognosy)

Summary profile

Doctorate in Pharmaceutical Sciences, ability to work both as individual and in a team. 15 years of professional experience in the field of Pharmaceutical sciences. Currently working at a responsible position in Maharshi Dayanand University with sound understanding of functioning of academic institutions and quality control aspects.

Research Field

- Quality control and standardisation of Herbal Plants and Formulations for Safety and Efficacy.
- Development of Novel Drug delivery applications of Medicinal Plants/Active Plant Ingredients for enhanced efficacy.

Experience

Organization	Period		Designation	Basic Pay & Grade
	From	To		
Maharshi Dayanand University, Rohtak	Dec 23, 2014	Till date	Professor	37400-67000 (AGP. 10,000)

Maharshi Dayanand University, Rohtak	Dec 23, 2011	Dec 22, 2014	Associate Professor	37400-67000 (AGP. 9,000)
Maharshi Dayanand University, Rohtak	Dec 23, 2008	Dec 22, 2011	Reader	12000-15600
AICTE, New Delhi	Jan 30, 2006	Dec 23, 2008	Asst Director	10,000-15200
I S F College of Pharmacy, Moga	Dec 31, 2001	Jan 28, 2006	Lecturer	Rs. 8,000 Basic

Education

Degree / Specialization	University / Institution (year)	Division or equivalent	Percentage or Marks
Ph. D.	Punjab Technical University, Jalandhar, Punjab. (2009)	Not applicable	---
M. Pharmacy (Ph ^c ognosy)	Dr. MGR Medical University, Chennai. (2002)	First	73%
B. Pharmacy	Gulbarga University, Gulbarga. (1995)	First	67%

Summary of the Ph. D project: Diabetes is a chronic disease and spreading like an epidemic throughout the world, particularly in India needs immediate attention. Several drugs are available in the market but not able to provide any permanent solution. Since India has rich traditional culture of medicinal plants so keeping in view the potential, this project is based on the screening of certain medicinal plants for their Antidiabetic potential along with safety, toxicity and related aspects.

M. Pharm project: Worked on the effect of oxidative stress on our health during normal life pattern and their solution with herbals.

Research Publications and Presentations

Scientific Papers Published

- Vaibhav Walia, Chanchal Garg, Munish Garg. NO-sGC-cGMP signaling influence the anxiolytic like effect of lithium in mice in light and dark box and elevated plus maze. Brain research. 2019. 1704. **IF. 3.6.**
- Vaibhav Walia, Chanchal Garg, Munish Garg. Anxiolytic-like effect of pyridoxine in mice by elevated plus maze and light and dark box: Evidence for the involvement of GABAergic and NO-sGC-cGMP pathway. Pharmacology, Biochemistry and Behavior. DOI: 10.1016/j.pbb.2018.06.001 **IF 2.7.**

- Rohilla R and Garg M. Antidiabetic activity of heartwood of *Tecomella undulata* Seem. and histology of organs in streptozotocin-nicotinamide induced diabetes mellitus in experimental rats. International Journal of Pharmaceutical Sciences & Research. 2018; 9(3): 1000-1009. **(Indexed in Scopus)**.
- Chanchal Garg, Priyanka Khurana, Munish Garg. Molecular mechanisms of skin photoaging and plant inhibitors. International Journal of Green Pharmacy. 2017; 11 (2): S217-S232. **(Indexed in Scopus)**.
- Rohilla R, Garg C & Garg M. *In-vitro* hypoglycemic evaluation of fractions of hydroalcoholic extract of *Tecomella undulata* Seem.” Asian Journal of Pharmaceutical & Clinical Research. 2017; 2: 266-269. **(Indexed in Scopus)**.
- Bhan M, Satija S, Garg C, Dureja H, Garg M. Optimization of ionic liquid-based microwave assisted extraction of a diterpenoid lactone-andrographolide from *Andrographis paniculata* by response surface methodology. Journal of Molecular Liquids 2017; 229: 161–166 **(Impact factor 3.67, Indexed in Thomson SCI)**.
- Bhan M, Satija S, Garg C, Dureja H, Garg M. A Novel Approach towards Green Extraction for Glycyrrhithinic acid by Ionic liquid based Microwave assisted extraction and Optimization through Response Surface Methodology. Pharmacognosy Journal 2017; 9: 73-79. **(Indexed in Scopus)**.
- Mehta M, Dureja H, Garg M. Development and optimization of boswellic acid loaded proniosomal gel. *Drug Delivery*. 2016. 23 (8): 3072-3081. **IF 6.40 Indexed in Thomson SCI**.
- Baljeet S Yadav, Roshanlal Yadav, Ritika B Yadav, Munish Garg. Antioxidant activity of various extracts of selected gourd vegetables. *Journal of Food Science and Technology*. 2016; 53 (4): 1823-1833. **IF 2.2. Indexed in Thomson SCI**
- Satija S, Malik S, Garg M. Development of a new, rapid and sensitive validated HPTLC method for estimation of berberine in *Tinospora cordifolia*. *Journal of Planar Chromatography - Modern TLC*. 2016. 29 (3) 209-215. **IF-1.247**
- Garg M, Lata K, Satija S. Cytotoxic potential of few Indian Fruit Peels through MTT assay on Hep G2 cells. *Indian Journal of Pharmacology*. 2016, 48(1): 64-68. **IF-0.9**
- Mehta M, Satija S, Garg M. Simultaneous HPTLC densitometric estimation of KBA and AKBA from *Boswellia serrata*. *Acta Chromatographica*. 2016. Accepted. **IF-0.577**
- Mehta M, Satija S, Garg M. Comparison Between HPLC and HPTLC Densitometry for the Determination of 11-keto- β -boswellic acid and 3- acetyl-11-keto- β -boswellic acid from *Boswellia serrata* Extract. *Indian Journal of Pharmaceutical Education and Research*. 2016; 50 (3): 418-423. **IF-0.270**
- Satija S, Yadav JP, Garg M. Geographical differentiation of phytochemical content among different accessions of *Tinospora cordifolia* grown in different regions of India. 2016. *Asian Journal of Pharmaceutical & Health Sciences*. 2016; 6 (2): 1452-1455.

- Mehta M, Garg M. Proniosomal Gel: A Promising Drug Carrier for Boswellic Acids. *Journal of Medical Sciences*. 15(3); 132-134, 2015. (Indexed in Scopus)
- Sharma H, Garg M. A review of traditional use, phytoconstituents and biological activities of Himalayan Yew, *Taxus wallichiana*. *Journal of Integrative Medicine* (Elsevier). 2015; 13 (2): 80-90. **IF 1.2**
- Sharma H, Garg M. Neuropharmacological activities of *Taxus wallichiana* bark in Swiss albino mice. *Indian J Pharmacol* 2015; 47: 299-303. **IF 0.9**
- Satija S, Bansal P, Dureja H, Garg M. Microwave assisted extraction of *Tinospora cordifolia* and optimization through central composite design. *Journal of Biological Sciences*. 2015, 15(3): 106-115.
- Garg M, Singhal T, Sharma H. Cardioprotective effect of ammonium glycyrrhizinate against doxorubicin-induced cardiomyopathy in experimental animals. *Indian J Pharmacol* 2014; 46: 527-30. **IF- 0.9**
- Mehta M, Satija S, Garg M, Nanda A. Nanotechnologies for Boswellic Acids. *American Journal of Drug Discovery & Development*. 2014. 4(1), 1-11.
- Kumar P, Mehta M, Satija S, Garg M. Enzymatic *in vitro* Anti-diabetic activity of few traditional Indian medicinal plants. *Journal of Biological Sciences*. 2013, 13(6): 540-544.
- Munish Garg, Ravikant. Screening of Indian withania plant and marketed products for trace elements, heavy metals for quality and efficacy. *J Pharmacog Phytochem* 2014 : 2 (5) : 66-68 (ISSN 2278-4136)
- Ruby Rohilla, Munish Garg. Phytochemistry and pharmacology of *Tecomella undulata*. *Int J of Green Pharm*. 2014: 8:1-6. ISSN-1998-4103.
- Sonia Verma, Hitender Sharma, Munish Garg. Phyllanthus amarus: A review. *J Pharmacog phytochem*. 2014:3 (2); 18-22. (ISSN 2278-4136)
- Dharambir Singh, Munish Garg, Hitender Sharma. Development and Evaluation of Standardised Solid Dosage formulation of Trikatu. *Int J Adv Pharm Biol Chem*. 2014:3 92); 250-255. (ISSN : 2277-4688)
- Sonia Parashar, Hitender Sharma, Munish Garg. Antimicrobial and antioxidant activities of fruits and vegetable peels: A review. *J Pharmacog phytochem*. 2014 : 3 91) ; 160-164. (ISSN 2278-4136)
- Kumar P, Mehta M, Satija S, Garg M. Enzymatic *in vitro* Anti-diabetic activity of few traditional Indian medicinal plants. *Journal of Biological Sciences*. 2013, 13(6): 540-544.
- Monika Joon, Munish Garg. Formulation and evaluation of standardized withania somnifera leaf extract loaded transdermal gel. *Journal of Medical sciences*. 2013, 13 (8) 814-818 (ISSN 1682-4474)
- Garg M and Singhal T. Doxorubicin induced cardiomyopathy and its herbal solution. *Int J Pharm Sci Res* 2013: 4 99); 3341-46. (ISSN 0975-8232)

- Munish Garg, Monika Hooda. HPLC-DAD estimation of undeclared synthetic compounds in selected Indian herbal formulations. *Asian J Pharm Res Dev* 2013 : 5 ; 50-54.(ISSN- 2320-4850)
- Garg M, Garg P. Encapsulation of bio active compound ursolic acid as proniosomes and its evaluation. *Asian J Pharm.* 2013;7: 158-62.ISSN-1998-409X
- Munish Garg, Sneha Das, Govind Singh. Comparative Physico-chemical evaluation of a marketed Herbo-mineral Formulation Naga Bhasma. *Indian Journal of Pharmaceutical Sciences* 2012, 74 (6): 535-540 (Impact factor 0.9) ISSN- 1998-3743
- Jyoti Solanki, Saurabh Satija, Meenu Mehta, Munish Garg. GC-Fid method development for analysis of residual solvents in herbal formulations. *Instasci Journal of Pharmaceutical Sciences.* 2012, 2 (5): 109-115. ISSN- 2277-6958
- Munish Garg, Jyoti Solanki, Meenu Mehta, Saurabh Satija. Regulatory and analytical aspects of residual solvents in ayurvedic formulations –a recent update. *International review of biophysical chemistry.* 2012, 3 (4): 74-78. ISSN- 2038-0321.
- Sumita S Kadian, Munish Garg. Pharmacological effects of carotenoids: A Review. *Int J Pharm Sc Res* 2012; 3 (91): 42-48. (ISSN No. 0975-8232). Impact factor 0.14.
- Munish Garg, Jaspreet Singh. Quantitative AAS Estimation of Heavy Metals and Trace elements in Marketed Churna Preparations in India. *Int J Pharm Sc Res* 2012 : 3 (5): 1331-1336. (ISSN No. 0975-8232). Impact factor 0.14.
- Kumar Sukender, Singh Jaspreet, Das Sneha, Garg Munish. Quantitative AAS Estimation of Heavy Metals and Trace elements in Indian Herbal Cosmetic preparations. *Res J Chem Sc* 2012 : 2 (3): 46-51. (ISSN No. 2231-606X).
- Dhiman Anju, Sharma Kavita, Goyal Jugnu, Garg Munish, Sharma Asha. Determination of lawsone content in fresh and dried leaves of *Lawsonia inermis* Linn. And its quantitative analysis by HPTLC. *Journal of Pharmaceutical and Scientific Innovation* 2012; 1(2): 17-20. (ISSN (Online): 2277-4572)
- Garg Munish, Garg Chanchal. Effect of *Phyllanthus Urinaria* in biochemical Profile of Experimental Hyperglycemic Albino Rats. *Research Journal of Pharmaceutical Sciences* 2012, 1(1), 2-6. ISSN 2319 – 555X.
- Sneha Das, Anju Dhiman, Monika Hooda, arun Nanda, Munish Garg. Evaluation of *Panchaskar Churna* for quality control and standardization. *Pharmacologyonline* 2011; 1: 481-86.
- Chanchal Garg, S. A. Khan, S. H. Ansari, Munish Garg. Effect of *Foeniculum vulgare* Mill. Fruits in Obesity and Associated Cardiovascular Disorders Demonstrated in High Fat Diet Fed Albino Rats. *J Pharm Biomed Sc*, 2011; 8(19): 1-5.
- Munish Garg, Monika Hooda, Jyoti Solanki, Sandeep Saini, Sneha Das. A recent update on undeclared chemicals in Herbal formulations. *J Pharm Biomed Sc*, 2011; 9 (3): 1-5.
- Garg P, Joon M, Garg M. Ursolic Acid-A multidimensional approach. *International J Pharm Bio Sc.* Proceedings of AICTE Sponsored National Seminar on “New

Horizons in Drug Discovery and Development” held at Faculty of Pharmacy, Jamia Hamdard, New Delhi during September 17-18, 2011.

- Ruby Rohilla, Munish Garg, Gaurav Kumar. A Newly discovered Phytohormone: Strigolactones. *Der Pharmacia sinica*. 2011, 2(4): 164-171.
- Chanchal Garg, S. A. Khan, S. H. Ansari, Munish Garg. Evaluation of standardisation and toxicological parameters for efficacy and safety of an herbal drug *Cyamopsis tetragonolobus*. *International Journal of Pharma Recent Research*. 2010; 1: 27-30
- Chanchal Garg, S. A. Khan, S. H. Ansari, Munish Garg. Efficacy and safety studies of *Foeniculum vulgare* through evaluation of toxicological and standardization parameters. *International Journal of Pharmacy and Pharmaceutical Sciences*. 2010; 2 (2): 43-45.
- Vivek K Gupta, Rachna Kumaria, Munish Garg, Monika Gupta. Recent updates on Free Radical Scavenging Flavonoids: An Overview. *Asian Journal of Plant Sciences*. 2010; 9 (3): 108-117.
- Munish Garg, Chanchal Garg, V J Dhar, A N Kalia. Standardised alcoholic extract of *Phyllanthus fraternus* exerts potential action against disturbed biochemical parameters in diabetic animals. *Afr J Biochem Res* 2010; 4 (7): 244-49.
- C. Garg, S. A. Khan, S. H. Ansari, M. Garg. Prevalence of obesity in Indian Women. *Obesity reviews*. 2009;11(2) : 105-08 (**Impact factor 7.9**)
- Chanchal Garg, S. A. Khan, S. H. Ansari, Munish Garg. "Chemical composition, therapeutic potential and perspectives of *Foeniculum vulgare*" *Pharmacognosy reviews* 2009; 3 (6): 1-14
- Munish Garg, V J Dhar, A N Kalia. Antidiabetic and antioxidant potential of *Phyllanthus fraternus* in alloxan-induced diabetic animals. *Phcog Mag*, 2008; 14 (4): 138-143.
- Munish Garg, Chanchal Garg. Scientific alternative approach of diabetes - an overview. *Pharmacognosy reviews* 2008; 2(4): 284-301.
- Munish Garg, V J Dhar, A N Kalia. Antioxidant effect of *Phyllanthus urinaria* liver and kidney of alloxan-induced diabetic rats. *The Pharma Review*, 2007; 8: 168-170.
- Munish Garg, V J Dhar, A N Kalia. Antidiabetic potential of *Phyllanthus urinaria* in albino rats. *International Journal of Green Pharmacy*, 2006; 1: 54-59.
- A N Kalia, Munish Garg, S S Ganti . Effect of cuminaldehyde on lipid profile of streptozotocin induced diabetic rats. *Journal of Science and Pharmacy*, 2005, 46(3): 81-86.

Patents in Progress

- Munish Garg, Dharmabir Singh. Novel solid dosage formulations of *Trikatu* and methods of preparations thereof. Published in Official Journal of the Patent Office on date 31/05/2013, page number 11983.

- Munish Garg, Parul Garg. Novel ursolic acid loaded proniosomal gel and method of preparations thereof. Published in Official Journal of the Patent Office on date 31/05/2013, page number 11984.
- Munish Garg, Monika Joon. Novel proniosomal gel of *Withania somnifera*. Published in Official Journal of the Patent Office on date 31/05/2013, page number 11986.
- Munish Garg, Chanchal Garg, Vinni Ahuja. Nutritional refreshing summer cold drink. Published in Official Journal of the Patent Office on date 20/09/2013, page number 22817.

Published Books

- Munish Garg, Chanchal Garg (2017). Communication Skills in Scientific Research. Studium Press. INDIA Pvt Limited. ISBN: 978-93-80012-5.
- Munish Garg (2014). Modern Trends of Medicinal Plants Research. LAP LAMBERT Academic Publishing, Germany. ISBN: 978-3-659-54499-6.
- Munish Garg (2014). Promotion and Globalisation of Indian herbal products. LAP LAMBERT Academic Publishing, Germany. ISBN: 978-3-659-59033-7.

Book Chapter

- Meenu Bhan, Munish Garg. Ionic Liquids: Green Solvents for the Extraction of Phytoconstituents In Medicinal Plants-Phytochemistry, Pharmacology and Therapeutics. Vol IV. Daya Publishing House, New Delhi. Page 183-197. ISBN: 978-9-351-24704-3.

Scientific papers Presented/Abstracts

- Munish Garg, Meenu Bhan, Chanchal Garg. Presented the research paper titled “Development and Optimization of Boswellic acids loaded proniosomal Gel” during 8th International Conference on Natural and Alternative Medicines held at Dubai, UAE between September 25-27, 2017.
- Garg Munish, Singh Dharambir. Presented a paper titled “Development and evaluation of standardized solid dosage formulations of *Trikatu*” at 3rd Biennial International conference on Natural Products and Traditional Medicines held at NIPER from 22-24 November, 2012.
- Munish Garg, Arun Nanda, Sneha Das. Safety aspects of Indian herbo-mineral formulations- *Nagabhasma* A case study” Paper presented at 12th Congress of International Society for Ethnopharmacology (ISE) held at Science city, Kolkata during February 17-19, 2012.
- Garg M., Das S., Singh G., Solanki J., Hooda M. Comparative Biological Studies of Five commercial samples of herbo-mineral ayurvedic preparation- *Nagabhasma*. Paper presented at 63rd Indian Pharmaceutical Congress held at Bangalore during 16-18 December, 2011.
- Munish Garg, Monika Hooda. Development and application of HPLC-DAD method for the evaluation of undeclared synthetic compounds in herbal formulations. Paper

presented at 16th Annual convention of APTI held at I. S. F. college of Pharmacy, Moga between October 7 to 9, 2011.

- Joon M, Garg P, Garg M, Status regarding quality control and standardization for *Withania somnifer*. Paper presented at 16th Annual convention of APTI held at I. S. F. college of Pharmacy, Moga between October 7 to 9, 2011.
- Joon M, Garg P, Garg M, Status regarding quality control and standardization for *Withania somnifer*. Paper presented at 16th Annual convention of APTI held at I. S. F. college of Pharmacy, Moga between October 7 to 9, 2011.
- Das Sneha, Garg Munish and Singh Govind. Standardisation and quality control methods for determining Purity, safety and efficacy of an ayurvedic herbo-mineral preparation- *Nagabhasma*. Paper presented at AICTE sponsored National seminar “Industry expectations from Pharmacy Colleges” held at ITS paramedical (Pharmacy) College, Murad Nagar during 5-6 August, 2011.
- Monika Hooda, Jyoti Solanki, Sneha Das, Munish Garg. Evaluation of Undeclared chemicals in Herbal Formulations by HPLC. Paper presented at AICTE sponsored National seminar “ Industry expectations from Pharmacy Colleges” held at ITS paramedical (Pharmacy) College, Murad Nagar during 5-6 August, 2011.
- Jyoti Solanki, Monika Hooda, Sneha Das, Munish Garg. Qualitative and quantitative estimation of residual solvents in herbal formulations. Paper presented at AICTE sponsored National seminar “Industry expectations from Pharmacy Colleges” held at ITS paramedical (Pharmacy) College, Murad Nagar during 5-6 August, 2011.
- Sukender Kumar, Jaspreet Singh, Monika Hooda, Sneha Das, Munish Garg. Screening of Herbal cosmetics for quality and efficacy aspects. Paper presented at AICTE sponsored National seminar “Industry expectations from Pharmacy Colleges” held at ITS paramedical (Pharmacy) College, Murad Nagar during 5-6 August, 2011.
- “Standardised alcoholic extract of *Phyllanthus fraternus* exerts potential action against disturbed biochemical parameters in diabetic animals” Oral presentation in 4th Global Summit on Medical & Aromatic Plants-2009 Kuching, Sarawak, Malaysia, held from December 1-5, 2009, at Kuching, Sarawak, Malaysia.
- “Evaluation of Toxicological Parameters for Efficacy and Safety of a Herbal Drug *Cyamopsis Tetragonolobus*” at International Herbal Conference-2009 held at Bangalore between February 26-28, 2009.
- “Antidiabetic and antioxidant potential of *Phyllanthus fraternus* in alloxan-induced diabetic animals” in 60th Indian Pharmaceutical Congress held at New Delhi on 11-13 Dec, 2008.
- Presented a paper titled “Effect of *Phyllanthus fraternus* plant extracts on Cardiovascular functions in alloxan induced diabetic rats” at Second International Symposium on *Recent Advances in Cardiovascular Sciences* held at DIPSAR, New Delhi on Feb 28, 2008.
- Presented a paper titled “Pharmacognostical and Standardisation parameters of *Phyllanthus amarus*” at 12th Symposium of Indian Society of Pharmacognosy held at Moga on Feb 23-24, 2008.
- Presented a paper titled “Antidiabetic and antioxidant potential of *Phyllanthus fraternus* in alloxan-induced diabetic animals” in 59th Indian Pharmaceutical Congress held at Varanasi on 20-23 Dec, 2007.

- Presented a paper titled “The effect of *Phyllanthus fraternus* plant extracts in alloxan-induced diabetic rats: A biochemical and histopathological study” in International Conference on *Research Advances in Traditional Medicine: Challenges and opportunities* held at Jamia Hamdard on October 30-31, 2007.
- Presented a paper titled “Effect of *Phyllanthus urinaria* extracts on normal and alloxan-induced hyperglycemic albino rats” in 39th Annual Conference of Indian Pharmacological Society (IPS) held at Jaipur dated Dec 21-23, 2006.
- Two Scientific abstracts of papers titled “Good agricultural practices for herbal or medicinal plants” and “Dry granulation and compression to tablet form of spray-dried plant extracts” presented in 2nd National Seminar and Intellectual property fair on green Pharmacy held at Mandsaur on dated 28-29 Oct, 2006.
- Scientific abstract of paper titled “Synthesis, Characterisation and Release Kinetics of Polymeric Prodrug of Diclofenac Sodium” presented at IPC 57th held at Hyderabad on dated Dec 2-4, 2005.
- Presented a paper titled “Optimum cultivation parameters, phytochemical and hypoglycemic studies of *Phyllanthus fraternus*” at International Conference on promotion and development of Botanicals held at Kolkata on Feb 25-26, 2005.
- Presented a paper titled “Antioxidant potential of *Sesbania gradiflora*” in IPC 56th held at Kolkata in Dec. 2004.
- Presented a research paper titled “*In vitro* and *in vivo* Antioxidant potential of *Lactuca sativa*-a prospective nutraceutical”, in IPC 55th held at Chennai from Dec. 19-21, 2003.
- Presented a research paper titled “*In vitro* and *in vivo* potential of *Moringa oleifera*” in IPC 55th held at Chennai from Dec. 19-21, 2003.
- Presented a paper titled “Use of Over Head Projector (OHP) in regular teaching classes” in IPC 55th held at Chennai from Dec. 19-21, 2003.

Professional Article

- Tabassum Naqvi, Munish Garg, Prasad Krishna. Global trends in Engineering Accreditation systems in the context of International Engineering alliance. *The Indian Journal of Technical Education*. 2008, 31(1): 83-89.

Scientific Abstracts : 155

M. Pharm Projects Guided : 35

PhD Projects Guided : 04 completed (05 under progress)

List of completed PhD Guided Projects

- Novel Extraction and Analytical Determination of Botanicals and Similar Natural Products of *Tinospora cordifolia* by HPTLC fingerprint approach- Saurabh Satija (2017)

- Studies on Ionic Liquid based Microwave Assisted Extraction (ILs-MAE) of Herbal Bioactive Compounds and Optimization through Response Surface Methodology- Meenu Bhan. (2017)
- Phytochemical and Pharmacological evaluation of *Tecomella undulata* Linn. – Ruby Rohilla. (2017)
- Formulation and Characterization of Novel Delivery System of Bioactive Boswellic acids- Meenu Mehta. (2016)

List of completed M. Pharm Guided Projects

2018

- Evaluation of antiaging and antiwrinkle potential of selected herbal plants- Ravinder Singh.

2017

- Evaluation of Anti-aging and Antiwrinkle potential of selected Herbal Medicinal Plants.- Priyanka
- Estimation of essential trace elements and heavy metals in the marketed Indian Ayurvedic Asva and Arishta preparations.- Yatin Kumar
- Investigation of Enzyme Inhibitory Activity of Selected Indian Medicinal Plants for their in vitro Antidiabetic Potential- Meenakshi Kaira

2016

- Pharmacognostical and phytochemical studies of *Psoralea corylifolia* for its standardization and quality Control-Nisha
- Safety evaluation of a polyherbal formulation: A subacute oral toxicity study- Nivedita
- Development of a validated HPTLC protocol for simultaneous estimation of mangiferin and emblin analysis in Marketed formulations-Shivani
- Development of a validated HPTLC protocol for simultaneous estimation of Aloe emodin and barbaloin analysis in Marketed formulations-Shruti
- Development of a validated HPTLC protocol for simultaneous estimation of rutin and silymarin analysis in Marketed formulations-Sonu

2015

- Development, validation and analysis of HPTLC protocol for simultaneous analysis of rutin and p-coumaric acid in citrus fruits- Rinky
- Validated HPTLC protocol and stability indicating studies of piperine and *Piper longum*-Sachin Thakur
- Validated HPTLC protocol and stability indicating studies of Andrographolide and *Andrographis paniculata*- Pratibha

- Validated HPTLC protocol for simultaneous estimation of flavonoidal markers and analysis in differently extracted plants- Muskan
- Validated HPTLC protocol and stability indicating studies of Berberine and *Tinospora cordifolia*- Swati

2014

- Microwave assisted extraction of phyllanthin from *Phyllanthus amarus* and optimization through Response surface Methodology- Sonia Verma.
- Development and evaluation of a herbal candy-Reena Hooda
- Antimicrobial and antioxidant activity of some Indian Fruit peels- Sonia Parashar
- Anticancer activity of some Indian fruit peels- Kusum lata
- Pharmacognostical, Phytochemical and anticancer activity of *Zizyphus numalaria*- Poonam

2013

- Microwave assisted extraction of berberine from *Tinospora cordifolia* and optimization through Response surface Morphology- Preeti Bansal
- Development and evaluation of Nutritional summer herbal cold drink. Vinni Ahuja
- Antidepressant and anti-anxiety activity of *Taxus wallichiana* Zucc.- Hitender Sharma
- Cardioprotective effect of ammonium glycyrrhizinate in doxorubic induced cardiotoxicity in experimental animals- Tinku

2012

- Formulation and evaluation of *Withania somnifera* extract loaded transdermal gel for improved pharmacological action- Monika Joon.
- Analysis of marketed products of withania for heavy metal, trace elements and marker component (withaferin-A) for quality control and standardisation- Ravikant.
- Pharmacokinetic and pharmacological evaluation of ursolic acid loaded transdermal gel- Parul Garg.
- Formulation and evaluation of solid dosage formulations of *Trikatu*- Dharamveer Singh.
- Alpha-amylase inhibitors from some important medicinal plants of India- Pardeep Kumar.

2011

- Analytical studies of a few herbal cosmetic preparations for quality control and efficacy- Sukender Kumar.
- Studies on some herbal *Churna* preparations for the qualitative and quantitative estimation of heavy metals and trace elements- Jaspreet Singh

- Development and application of HPLC-DAD method for the evaluation of undeclared synthetic compounds in herbal formulations- Monika Hooda.
- Development of a suitable GC-FID method for simultaneous analysis of residual solvents in herbal formulations- Jyoti Solanki.
- Physico-chemical and biological studies of a Herbo-mineral preparation *Naga Bhasma* -Sneha Das
- Pharmacognostical, Phytochemical and Pharmacological evaluation of the bark of *Holoptella integrifolia* (Roxb.) Planch.- Harbir Singh.

2010

- Chemical and Antimicrobial studies of *Mentha arvensis* and *Mentha piperita* - Madhu Gill.

Government Funded Projects

- Co-ordinator, UGC SAP project at DRS level-II awarded by University Grants Commission, Ministry of Human Resource and Development, New Delhi worth Rs. 76 Lakhs.
- Co-investigator of the project titled “Quality, Efficacy and Safety Studies of some Indian Herbs/Formulations’ sanctioned to the department under UGC SAP project at DRS level by University Grants Commission, Ministry of Human Resource and Development, New Delhi worth Rs. 70 Lakhs.
- Co-investigator of the project titled “Studying the Impact of Climate Change on Quality and Quantity of Secondary Metabolites in Some Commercial Medicinal Plants” sponsored by National Medicinal Plants Board, Department of AYUSH, Ministry of Health and Family Welfare, New Delhi worth Rs. 19.9 lacs.
- Principal investigator of the Sponsored Project titled “Marker analysis of the Herbal Medicinal Plants (HMP’s) through HPTLC for standardization and quality control” under MODROBS by AICTE worth Rs. 18.00 Lakhs.

Invited Lectures/Talks

- Delivered various lectures/talks on “Components and parameters of NBA accreditation in technical Institutions” and ‘NBA accreditation and its significance in Technical Institutions” throughout India during Jan 2006 to Dec 2008. To name a few are, Bannari Amman Institute of Technology, Coimbatore, SCMS Institute of Management, Cochin, Sharad Pawar College of Pharmacy, Nagpur etc.
- Delivered a lecture on “Government initiatives in the promotions of Natural product research” in a UGC refresher course in Department of Pharmaceutical Technology, Jadavpur University, Kolkata in Dec 2008.
- Delivered a lecture on “Government initiatives in the promotions of herbal research in academic institutions” in a AICTE sponsored staff development programme at SBS College of Pharmacy, Patti, Amritsar Dec 2009.
- Delivered a lecture on “Government funding schemes for the promotions of Natural product research” in one day conference at Sagar Institute of Pharmacy, Bhopal in May 2010.

- Delivered a lecture on “NBA accreditation in Pharmacy Institutions” in one day conference at Sagar Institute of Pharmacy, Bhopal in May 2010.
- Delivered a lecture on Government initiatives in the promotions of Natural product research” in one day conference at NRI College of Pharmacy, Bhopal in May 2010.
- Delivered a lecture on “Perspectives of Pharmacy Education in India” in UGC sponsored Refresher course for faculty members in Pharmaceutical Sciences held at Department of Pharmacy Education and Research, South Campus, Bhaisnwal Kalan, BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat, Haryana on 21/05/2012.
- Delivered a lecture on “Evaluation of Quality Parameters in Pharmacy Institutions” in UGC sponsored Refresher course for faculty members in Pharmaceutical Sciences held at Department of Pharmacy Education and Research, South Campus, Bhaisnwal Kalan, BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat, Haryana on 21/05/2012.
- Delivered a lecture on “Indian Herbal Industry: QUEST for Global Acceptance” at International Conference on “Perspectives and Challenges in Pharmacy and healthcare systems” held at Manav Institute of Pharmacy, Jevra, Hisar during September 21-23, 2012.
- Delivered an invited lecture on “Secrets of Success” at INSPIRE program held at ISF College of Pharmacy, Moga, on October 29.10.2013.
- Resource person in One day workshop held at Department of Pharmaceutical Sciences on “Instrumental methods in Pharmaceutical Research” on November 28, 2013.
- Delivered an invited lecture on “Indian Herbal Industry: QUEST for Global Acceptance” during 19th Annual Convention and 2nd International Conference of Society of Pharmacognosy- 2015 (ICSP-2015) hosted by A. U. College of Pharmaceutical Sciences, Andhra University, Visakhapatnam from 20-22 March, 2015

Academic achievements

- Received “Award of Appreciation” by ISF Pharmacy College Managing Committee in 2005 based on students’ performance in exams and student research projects.
- Best research paper award for the presentation made during 12th Symposium of Indian Society of Pharmacognosy.
- Delivered lectures on improvement of the quality education in India at various platforms.
- Co-ordinated several expert committee visits for Accreditation (NBA) throughout India.
- Chaired a scientific session at 12th Congress of International Society for Ethnopharmacology (ISE) held at Science city, Kolkata during February 17-19, 2012.
- Chaired a scientific session at Indo-Bulgarian Conference on Recent Advances in Herbal Technology held at ISF College of Pharmacy, Moga, on September 7, 2013.
- Chaired a scientific session during UGC sponsored one day National Seminar held at Faculty of Pharmacy, Jamia Hamdard, New Delhi on February 1, 2014.

- Organising Secretary of 18th Annual Convention of Society of Pharmacognosy on theme “Promotion and Globalisation of Indian Herbal Products- Perspectives and Prospects” held at M. D. University during 21-22, February, 2014.
- Chaired a scientific session during International conference of ISE held at Chennai during March 7-9, 2014.
- Chaired a scientific session during 1st APTI Conference at Kurukshetra University, Kurukshetra on August 23-24, 2014.
- Chaired a scientific session during one day conference on Natural Plants organized by Department of Genetics, Maharshi Dayanand University, Rohtak on March 19, 2015.
- Chaired a scientific session during IPC held at Chitkara University, Rajpura, Punjab in December 2017.

Other Activities

Donated blood twice during programs organised by Youth Red Cross Society.

Professional involvement

- Member, Academic Council, Maharshi Dayanand University, Rohtak.
- Chairman, Board of Studies, Department of Pharmaceutical Sciences, Maharshi Dayanand University, Rohtak (Nov 2015 to Nov 2018).
- Chairman, Departmental Research Committee, Department of Pharmaceutical Sciences, Maharshi Dayanand University, Rohtak (Nov 2015 to Nov 2018).
- In the Panel of Examiners in M. D. University, Rohtak, Uttarakhand University, Dehradun, Punjab Technical University, Jalandhar and Jamia Hamdard, New Delhi, University of Rajasthan Jaipur, Tamilnadu Dr. M. G. R. medical University, Chennai, Singhanian University, Rajasthan.
- Member, panel of reviewers for International journals like, Journal of Ethnopharmacology, Journal of medicinal plants research, Scientific research and assays, Plant food for human nutrition, African journal of biochemistry research, Obesity reviews etc.
- Registered Ph D supervisor in various reputed Universities like, Tamilnadu Dr. M. G. R. medical University, Chennai, M. D. University, Rohtak, Punjab technical University, Jalandhar, Singhanian University, Rajasthan.
- Member of Executive council (2012-2014) M. D. University, Rohtak.
- Member, Board of Studies, Institute of Pharmaceutical Sciences, Kurukshetra University, Kurukshetra.
- Member Board of Studies, Department of Pharmaceutical Education and Research, BPSMV, Khanpurkalan, Sonapat.
- Involved in various professional activities regarding spreading awareness about safe use of herbal drugs and formulations.

Countries Visited : Singapore, Malaysia, UAE

Membership

- Life member of Association of Pharmaceutical Teachers of India (APTI)
- Life member of Indian Hospital Pharmacists Association (IHPA)
- Life Member of Society of Pharmacognosy

Munish Garg