

## **Bio Data**

### **Address and Contact details:**



### **Professor Munish Garg**

**Dean,**  
Faculty of Pharmaceutical Sciences,  
&  
**Additional Director,**  
Internal Quality Assurance Cell (IQAC),

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. 20 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 and Assessment of analytical profile of Medicinal Plants/Active Plant Ingredients through sophisticated instruments.

#### ***Field of Administration***

- Quality Assurance aspects of an Institution/University.

#### ***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'cognosy)	Dr. MGR Medical University, Chennai. (2002)	First	73%
B. Pharmacy	Gulbarga University, Gulbarga. (1995)	First	67%

### **Selected Publications**

- Meenu Mehta, Munish Garg, Kamal Dua, Saurabh Satija. Simultaneous HPTLC densitometric estimation of KBA and AKBA from *Boswellia serrata*. Current Analytical Chemistry (Bentham Science **IF 1.0**). 2019. 15: 84-91.
- Vaibhav Walia, Chanchal Garg, Munish Garg. Nitroergic signalling modulation by ascorbic acid treatment is responsible for anxiolysis in mouse model of anxiety. Behavioural Brain Research. 2019. 364. 85-98. **IF. 3.2**
- 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. 173, 96-106. (**IF-2.538**)
- 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**).

- 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- $\beta$ -boswellic acid and 3- acetyl-11-keto- $\beta$ -boswellic acid from *Boswellia serrata* Extract. *Indian Journal of Pharmaceutical Education and Research*. 2016; 50 (3): 418-423. **IF-0.270**
- 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**
- 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**
- 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.
- 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**)

### ***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.

### ***Book Chapters***

- VaibhavWalia, MunishGarg. Chapter on Antidepressants in *Advances in Neuropharmacology: Drugs and Therapeutics* published by Apple Academic Press, worldwide distribution by CRC Press, a Taylor & Francis Group, 2017. (Accepted for publication).
- VaibhavWalia, MunishGarg. Chapter on Antianxiety Drugs in *Advances in Neuropharmacology: Drugs and Therapeutics* published by Apple Academic Press, worldwide distribution by CRC Press, a Taylor & Francis Group, 2017. (Accepted for publication).
- Abhilasha Ahlawat, Vaibhav Walia, Meenakshi Kaira, Munish Garg. Chapter on Antioxidant signaling in the Neurodegeneration in Oxidative Stress and Antioxidant Defense: Biomedical Value in Health and Disease published by Nova Science Publishers, Inc. 400 Oser Avenue, Suite 1600 Hauppauge, NY, 11788 USA. (Accepted for publication)
- Meenakshi Kaira, Vaibhav Walia, Abhilasha Ahlawat, Munish Garg. Chapter on Free Radicals and Antioxidants in Human Health and Diseases in Oxidative Stress and Antioxidant Defense: Biomedical Value in Health and Disease published by Nova Science Publishers, Inc. 400 Oser Avenue, Suite 1600 Hauppauge, NY, 11788 USA. (Accepted for publication)
- 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.

### ***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.

**Research Publications** : 65

**Scientific Abstracts** : 155

<b>M. Pharm Dissertations Supervised:</b>	<b>35</b>
<b>PhD Projects Supervised</b>	<b>: 04 completed (05 under progress)</b>
<b>Scientific Papers Presented/ Invited Talks</b>	<b>: 38</b>

***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)

***Government Funded Projects (> 1.80 Crores)***

- 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.- Completed.
- 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. – Completed.
- 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. – Completed.

***Professional involvement***

- NAAC Assessor, National Assessment and Accreditation Council.
- Member (External Expert), Inter Quality Assurance Cell (IQAC), Baba Mastnath University, Asthal Bohar, Rohtak, Haryana.

- Additional Director, Internal Quality assurance Cell, Maharshi Dayanand University, Rohtak (Since January 2019).
- 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).
- 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, Andhra University, Vishakhapatnam, Gujarat Technological University, Gandhinagar etc.
- 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**