



## Dr. MOHD AMIR

### POSITION: ASSISTANT PROFESSOR

#### Personal Data

Nationality |INDIAN

Date of Birth |15/10/1983

Department |Natural Products & Alternative Medicine

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#### Language Proficiency

Language	Read	Write	Speak
Arabic	Yes	No	No
English	Yes	Yes	Yes
Others (Hindi, Urdu)	Yes	Yes	Yes

#### Academic Qualifications

Date	Academic Degree	Place of Issue	Address
2015	Ph.D. (Pharmacognosy and Phytochemistry)	India	Department of Pharmacognosy and Phytochemistry, Faculty of Pharmacy, Hamdard University, New Delhi, India
2009	Master of Pharmacy(Pharmacognosy and Phytochemistry)	India	Department of Pharmacognosy and Phytochemistry, Faculty of Pharmacy, Hamdard University, New Delhi, India
2006	Bachelor of Pharmacy	India	Faculty of Pharmacy, Hamdard University, New Delhi, India



## PhD, Master or Fellowship Research Title

PhD	Pharmacognostical and Pharmacological evaluation of some herbal drugs used in traditional system of medicine for liver disorders
Master	Tissue Culture and Pharmacological Studies on <i>Dioscorea deltoidea</i> Linn.
Fellowship	<ol style="list-style-type: none"> <li><b>Junior Research Fellow:</b> July 2008-June 2009: Research Fellowship awarded by AICTE, New Delhi on the basis of All-India Competitive Examination Score in GATE <i>Title: Tissue Culture and Pharmacological Studies on Dioscorea deltoidea Linn.</i></li> <li><b>Senior Research Fellow:</b> Research Fellowship awarded by CCRUM, New Delhi on the basis of academic &amp; research merit <i>Title: Pharmacological Evaluation and Safety Profile of Unani Antioxidant and Hepatoprotective Drugs</i></li> <li><b>Senior Research Fellow:</b> Research Fellowship awarded by CCRUM, New Delhi on the basis of academic &amp; research merit <i>Title: Standardization and development of standard operational procedure of some compound Unani formulations described in national formulary of Unani medicines.</i></li> </ol>

## Professional Record

Job Rank	Place and Address of Work	Date
Assistant Professor	Oxford College of Pharmacy, Masoori Industrial Area, NTPC, M.G. Road, Ghaziabad, Uttar Pradesh, India	15 <sup>th</sup> December 2014 to 18 <sup>th</sup> February 2016

## Scientific Achievements

### Papers:

- Wasim A., Husain I., Ahmad N., **Amir M.**, Sarafroz M., Ansari MA., Ameenuzzafar Ali A., Zafar R. Box-behnken supported development and validation of robust HPTLC method: An application in estimation of punarnavine in leaf, stem and their callus of *Boerhavia diffusa* Linn. *3-Biotech*. Under review
- Amir M.**, Ahmad N., Faisal SMA., Sarafroz M., Faheem HP. Method Development, Validation and Quantification of Mangiferin in *Mangifera indica*, *Swertia chirayita*, and *Canscora decussate* by HPLC method using Fractional Factorial Design and Its DPPH Scavenging Activity. *Saudi Journal of Biological Sciences* Under review
- Ahmad R., Ahmad N., **Amir M.**, Fatema A., Marwah HA., Heba RS., Zainab AA., Bayan MA., Noor AA., Shahanas C., Sarah AA. (2020). Quality Variation and standardization of



black pepper (*Piper nigrum*): A comparative geographical evaluation based on instrumental and metabolomics analysis. *Biomedical Chromatography*. Accepted

4. Ahmad N., Ahmad R., Ahmad FJ., Wasim A., Alam AM., **Amir M.**, Ali A. (2020). Poloxamer-chitosan-based Naringenin nanoformulation used in brain targeting for the treatment of cerebral ischemia. *Saudi Journal of Biological Sciences*. 27: 500–517.
5. Sarafroz M., Yasmin K., Ahmad N., **Amir M.**, Salahuddin., Pattoo FH., Taleuzzaman M., Wasim A. (2020). Design and Synthesis of Novel Hydrazones of Ethyl3-Amino-4hydroxybenzoate as Promising Anticonvulsant Agents. *International Journal of Pharmaceutical Sciences and Research*. 11: 137-145.
6. **Amir M.**, Ahmad N., Sarafroz M., Wasim A., Ahmad S., Mujeeb M. (2019). *Tamarindus indica* Fruit: Pharmacognostical Standardization, Detection of Contaminant, and *In Vitro* Antioxidant Activity. *J Pharm Bioallied Sci*. 11: 355–363.
7. Shrestha S., Javed MN., Pattoo FH., Syed AR., Barkat MA., Harshita., Sarafroz M., **Amir M.** (2019). Bioresponse Inspired Nanomaterials for Targeted Drug and Gene Delivery. *Pharmaceutical Nanotechnology*. 7: 1-15.
8. Supriya M., Shrestha S., Javed MN., Pattoo FH., Barkat MA., Harshita., Sabir A., **Amir M.**, Sarafroz M. (2019). Bioinspired Nanocomposites: Applications in Disease Diagnosis and Treatment. *Pharmaceutical Nanotechnology*. 7: 1-15.
9. Wasim A., Ennus TT., Abuzer A., **Amir M.**, Zaidi SMA., Sayeed A. (2019). Didymocarpus Pedicellatus R. Br.: Qualitative and Quantitative GCMS Approach for Quality Control in Traditional Poly-Herbal Formulation with *In Vitro* Antioxidant and Antimicrobial Activity. *Oriental Journal of Chemistry*. 35: 648-657.
10. Sarafroz M., Yasmin K., Ahmad N., **Amir M.**, Salahuddin., Pattoo FH. (2019). Synthesis, Characterization and Anticonvulsant Activity of Novel Fused 1,2,4-Triazolo-1,3,4-Thiadiazoles. *Oriental Journal of Chemistry*. 35: 64-70.
11. **Amir M.**, Ahmad N., Sarafroz M., Ahmad S., Mujeeb M. (2019). Pharmacognostical, Physicochemical Standardization and *In vitro* Antioxidant Activity of *Punica granatum* Linn fruit. *Pharmacogn J*. 11: 73-79.
12. Ahmad N., Ahmad R., Alam AM., Ahmad FJ., **Amir M.**, Pattoo FH., Sarafroz M., Jafar M., Umar K. (2019). Daunorubicin oral bioavailability enhancement by surface coated natural



- biodegradable macromolecule chitosan based polymeric nanoparticles. *International Journal of Biological Macromolecules*. 128: 825–838.
13. Aameeduzzafar, Nabil KA., Rizwanullah M., Syed NAB., **Amir M.**, Muhammad MA., Fazil M. (2019) 3D Printing Technology in Design of Pharmaceutical Products. *Current Pharmaceutical Design*. 24: 5009-5018.
  14. **Amir M.**, Ahmad N., Sarafroz M., Mahvish J., Pattoo FH., Ahmad S., Mujeeb M. (2018). In vitro propagation, development and validation of HPTLC method for quantification of steroidal glycoalkaloid solasodine in In vitro culture and plant parts of *Solanum nigrum*. *Oriental Journal of Chemistry*. 34: 2728-2734.
  15. Mahvish J., **Amir M.**, Ali Z., Mujeeb M. (2018). A comparative study for the extraction methods and solvent selection for isolation, quantitative estimation and validation of ursolic acid in the leaves of *Lantana camara* by HPTLC method. *Future Journal of Pharmaceutical Sciences*. 4: 229-233.
  16. Ahmad N., Alam AM., Ahmad FJ., Sarafroz M., Ansari K., Sharma S., **Amir M.** (2018). Ultrasonication techniques used for the preparation of novel Eugenol-Nanoemulsion in the treatment of wounds healings and anti-inflammatory. *Journal of Drug Delivery Science and Technology*. 46: 461-473.
  17. Ahmad N., Ahmad R., Alam A.M., Ahmad FJ., **Amir M.** (2018). Impact of Ultrasonication Techniques on the preparation of novel Amiloride-Nanoemulsion used for Intranasal Delivery in the treatment of Epilepsy. *Artificial Cells, Nanomedicine and Biotechnology*. 46: S192-S207.
  18. Ahmad N., Ahmad R., Alam M., Ahmad FJ., **Amir M.** (2018). Identification and Quantification of Thymoquinone by UHPLC in extract of *Nigella sativa* in Different Geographical regions. *Pharmacognosy Magazine*. 14: 471-480.
  19. **Amir M.**, Mallick MN., Ahmad N., Ali A., Ahmad S., Akhtar M., Mujeeb M. (2017). Hepatoprotective effects of Punica granatum fruit against D-Galactosamine-induced hepatotoxicity in rats: in vitro and in vivo studies. *International Journal of Pharmacy and Pharmaceutical Sciences*. 9: 168-172.
  20. **Amir M.**, Aqill M., Ismail MV., Akhtar M., Khan AH., Mujeeb M. (2017). Effect of carbon source and incubation temperature on total content of secondary metabolites of Callus culture of *Solanum nigrum*. *World Journal of Pharmaceutical research*. 6: 905-922.



21. **Amir M.**, Khan M.A., Ahmad S., Akhtar M., Mujeeb M., Ahmad A., Khan S. A., Al-Abbasi F.A. (2015). Ameliorating effects of *Tamarindus indica* fruit extract on anti tubercular drugs induced liver toxicity in rats. *Natural Product Research*. 30: 715–719.
22. Mahvish J., Syed S.I., Aqil M., **Amir M.**, Shaukat R.M., Mujeeb M. (2015). Transdermal potential and anti-arthritis efficacy of ursolic acid from niosomal gel systems. *International Immuno pharmacology*. 29: 361–369.
23. Alam M.S., Zoheir A.D., Ahmad A., Abidin L., **Amir M.**, Aqil M., Khan S. A., Mujeeb M. (2015). Development of response surface methodology for optimization of extraction parameters and quantitative estimation of embelin from *Embelia ribes* Burm by high performance liquid chromatography. *Pharmacognosy Magazine*. 11: S166-S172.
24. Ashraf K., Mujeeb M., Altaf A., Niyaz A., **Amir M.** (2015). Determination of Curcuminoids in *Curcuma longa* Linn. by UPLC/Q-TOF–MS: An Application in Turmeric Cultivation. *Journal of Chromatographic Science*. 53: 1346-1352.
25. Ashraf K., Mujeeb M., Altaf A., Ahmad S., Niyaz A., **Amir M.** (2014). Determination of Gingerols in Ginger by Ultra-High Performance Liquid Chromatography-Tandem Mass Spectrometry. *Analytical Letters*. 47: 2120–2128.
26. Ashraf K., Altaf A., Chaudhary A., Mujeeb M., Ahmad S., **Amir M.**, Mallick M.N., (2014). Genetic diversity analysis of *Zingiber officinale* Roscoe by RAPD collected from sub-continent of India. *Saudi Journal of Biological Sciences*. 21: 159–165.
27. Tariq S., Asim A.K., Arun M., Aameeduzzafar, **Amir M.**, Manzar M.A., Fasihuzzaman. (2014). Evaluation of the clinical efficacy of a poly herbal Unani formulation in *Warm-e-shoab muzmin* (chronic bronchitis). *International Journal of Advances in Pharmacy Medicine and Bioallied Sciences*. 2: 46-48.
28. **Amir M.**, Mujeeb M., Ahmad S., Akhtar M., Ashraf K. (2013). Design expert-supported development and validation of HPTLC method: An application in simultaneous estimation of quercetin and rutin in *Punica granatum*, *Tamarindus indica* and *Prunus domestica*. *Pharmaceutical Methods*. 4: 62-67.
29. **Amir M.**, Mujeeb M., Ahmad S., Akhtar M., Kamal Y.T., Ashraf K. (2013). Simultaneous quantitative HPLC analysis of ascorbic acid, gallic acid, and catechin in *Punica granatum*, *Tamarindus indica* and *Prunus domestica* using box-behnken Statistical design. *World Journal of Pharmaceutical research*. 3: 1403-1416.



30. **Amir M.**, Mujeeb M., Usmani S., Ahmad A., Ahmad S., Siddique W.A., Aqil M. (2013). A Validated Quantitative High Performance Thin-Layer Chromatographic Method for Estimation of Strychnine in *Strychnos nuxvomica* seed extract and Marketed Unani Formulation. *International Journal of Applied Science and Engineering*. 2: 149-158.
31. NA Siddique., M Mujeeb., S Ahmad., **M Amir.**, M Rshid. (2013). Analysis of toxic heavy metals and pesticides in *Mucuna pruriens* by spectroscopic methods. *Toxicology Letters*. S197.
32. Usmani S., **Amir M.**, Mujeeb M., Ahmad A., Kamal Y.T. (2013). Establishment of cell suspension culture and quantitative analysis of gymnemagenin in plant and *in vitro* culture of *Gymnema sylvestre*. *Journal of Liquid Chromatography & Related Technologies*. 36: 1869-1880.
33. **Amir M.**, Ahmad A., Siddique N.A., Mujeeb M., Ahmad S., Siddique W.A. (2012). Development and validation of HPTLC method for the estimation of diosgenin in *in vitro* culture and rhizome of *Dioscorea deltoidea*. *Acta Chromatographica*. 1:111-121.
34. **Amir M.**, Mujeeb M., Khan A., Ashraf K., Sharma D., Aqil M. (2012). Phytochemical analysis and *in vitro* antioxidant activity of *Uncaria gambir*. *International Journal of Green Pharmacy*. 6: 67-72.
35. Siddique N.A., Mujeeb M., **Amir M.**, Husain A. (2012). Simultaneous Quantification of Umbelliferone and Quercetin in Polyherbal Formulations of *Aegle Marmelos* by HPTLC. *Am. J. Pharm. Tech Res*. 2: 569-577.
36. Bhat J.U., Nizami Q., Parray S., Aslam M., Fahamiya N., Siddiqui A., Mujeeb M., Khanam R., Khan M., **Amir M.** (2012). Pharmacognostical and phytochemical evaluation of *Melissa parviflora* and HPTLC finger printing of its extracts. 2 (1):198-208.
37. Ashraf K., Mujeeb M., Altaf A., Ahmad S., **Amir M.**, Khan A., Mallick M.N., Sharma D. (2012). Validated HPTLC analysis method for quantification of variability in content of curcumin in *Curcuma longa* L (turmeric) collected from different geographical region of India. *Asian Pacific Journal of Tropical Biomedicine*. S584-S588.
38. **Amir M.**, Khan A., Mujeeb M., Ahmad A., Usmani S., Akhtar M. (2011). Phytochemical Analysis and *in vitro* Antioxidant Activity of *Zingiber officinale*. *Free Radicals and Antioxidants*. 1: 75-81.
39. **Amir M.**, Khan A., Mujeeb M., Ahmad M.A., Siddique N.A. (2011). Phytochemical Screening and *in vitro* Antioxidant Activity of Jawarish Amla- A Poly Herbal Formulation. *Pharmacognosy Journal*. 26: 54-60.



### Abstracts:

- ❖ M Mujeeb, **M Amir**, AS Nadeem, M Aqil, AK Najmi, M Akhtar (2013). Development of Plant Tissue Culture Profile of *Dioscorea deltoidea*. *Planta Med.* 79 - P9 DOI: 10.1055/s-0033-1336451.
- ❖ M Mujeeb, M Aqil, AK Najmi, M Akhtar, N Ahmad, **M Amir** (2012). Antioxidant and antihyperlipidemic activity of *Tephrosia purpurea* callus culture. *Planta Med.* 78 - PI135 DOI: 10.1055/s-0032-1320822
- ❖ Ahmad R., Mujeeb M., **Amir M.**, Ahmad A. Development and validation of an HPTLC method for quantification of anti cancer compound in *Podophyllum hexandrum* callus culture. International TLC/HPTLC Symposium in Basel Switzerland, 6<sup>th</sup> -8<sup>th</sup> July 2011.
- ❖ Siddique N.A., Mujeeb M. Ahmad S., **Amir M.**, Tamboli E.T. Development and validation of HPTLC method for estimation of umbelliferone and quercetin in *Aegle marmelos* formulation. International TLC/HPTLC Symposium in Basel Switzerland, 6<sup>th</sup> -8<sup>th</sup> July 2011.
- ❖ **M Amir**, M Mujeeb, A Sayeed, A Aftab, M Aqil (2011). Antioxidant and Hepatoprotective Activity of Rhizome and Callus Culture of *Dioscorea deltoidea* against D-galactosamine Induced Hepatotoxicity in Rats. *Planta Med.* 77 DOI: 10.1055/s-0031-1273670
- ❖ AS Nadeem, M Mujeeb, **M Amir**, AS Waseem (2010). Impact of Biodiversity on Umbelliferone Content of *Aegle marmelos* (Rutaceae). *Planta Med.* 76: DOI: 10.1055/s-0030-1251799

### **Completed Research Projects**

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Dr. Mohd Mujeeb	Tissue Culture and Pharmacological studies on <i>Dioscorea deltoidea</i> Linn”.	2009
2	Dr. Mohd Mujeeb	Pharmacological Evaluation and Safety Profile of Unani Antioxidant and Hepatoprotective Drugs.	2011
3	Dr. Mohd Mujeeb	Standardization and development of standard operational procedure of some compound Unani formulations described in national formulary of Unani medicines.	2012



### **Contribution to Scientific Conferences, Workshop, Training and Symposia**

- ❖ Participated in the training workshop on Analyzing and Reading Test's Results, 15<sup>th</sup> January 2019 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Participated in the training workshop on Summon Web Discovery Tool, 19<sup>th</sup> March 2019 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Participated in the training workshop on Attract Students with your PowerPoint, 24<sup>th</sup> September 2019 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Participated in the training workshop on Questioning to Develop Higher-Order Thinking Skills, 8<sup>th</sup> October 2019 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Seminar on Thermo Fisher Scientifics' Analytical Solution (LC-MS-MS, GC-MS-MS, ICP-MS-MS) Food and Environmental, 11<sup>th</sup> September 2018 at Crown Plaza Hotel, Al Khobar, KSA.
- ❖ Participated in the training workshop on Effective Strategies for Team Based Learning, 1<sup>st</sup> March 2018 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Participated in the training workshop on Effective Strategies for Team Based Learning, 28<sup>th</sup> February 2018 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Participated in the training workshop on Principles of Questions Writing, 14<sup>th</sup> February 2018 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Participated in the training workshop on Publishing Your Research on 04<sup>th</sup> January 2017 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Participated in the training workshop of Strategic Partnership of IAU and Elsevier Entitled "Author Workshop Scholarly Publishing" on 20<sup>th</sup> December 2017 at Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Participated in the training workshop on Using and Creating Effective Rubrics, 21<sup>st</sup> November 2017 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Participated in the training workshop on Web of Science, 24<sup>th</sup> October 2017 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Participated in the training workshop on Assessing project and labs, 28<sup>th</sup> September 2017 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.





- ❖ Participated in the training workshop on EndNote Desktop, 13<sup>th</sup> April 2017 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Seminar on LECO Solutions in Organic & Inorganic Elemental Analysis, 19<sup>th</sup> February 2017 at Aloft Hotel Dhahran-Al Khobar, KSA.
- ❖ Participated in the training workshop on publishing research, 4<sup>th</sup> January 2017 in Imam Abdulrahman Bin Faisal University, Dammam, KSA.
- ❖ Attended workshop on “Communication skills as a Domain of Learning in National Qualification Framework” on Thursday, 10<sup>th</sup> November 2016.
- ❖ Seminar on Chromatography & MS Solutions in Food Safety, Environment, Forensics, Clinical & Toxicology, 9<sup>th</sup> October 2016 at Le Meridian Hotel-Al Khobar, KSA.
- ❖ Attended workshop on “Alternative & Effective Assessment Methods (Performance Assessment, Portfolio, and Projects)” on Thursday, 27<sup>th</sup> October 2016.
- ❖ 65<sup>th</sup> Indian Pharmaceutical Congress, 20<sup>th</sup> -22<sup>nd</sup> December 2013 in Amity University, Delhi NCR: Participated as **LOC** member.
- ❖ Participated in Shodhganga user awareness program, 5<sup>th</sup> December 2013 in Hamdard University, New Delhi.
- ❖ National seminar on Innovation in Pharma Education and Research, 30<sup>th</sup> March 2012 in H. R. Institute of Pharmacy, Ghaziabad: Participated as delegate.
- ❖ 26<sup>th</sup> Annual Conference of IPGA, 2<sup>nd</sup> April 2011 in New Delhi: Participated as volunteer
- ❖ UGC-SAP Sponsored National Seminar on Role of GCMS, Flash Chromatography and HPTLC in Botanical Drug Development 17<sup>th</sup> January 2011 in Jamia Hamdard: Participated as **LOC** member.
- ❖ National Convention on Global Needs for Standardization of Herbal Drugs, 6<sup>th</sup> march 2011 in Vivek College of Technical Education, Bijnor UP. Participated as delegate and presented a poster entitled “Anti-Inflammatory Studies of Rhizome and Callus of *Dioscorea deltoidea* on Wistar Rats.
- ❖ International Conference on Recent Advances in Cardiovascular Sciences, 3<sup>rd</sup> and 4<sup>th</sup> February 2010 in Delhi Pharmaceutical Sciences & Research University, New Delhi. Participated as delegate.
- ❖ AICTE Sponsored seminar on Emerging Trends in Pharmaceutical Sciences 21-22<sup>nd</sup> March 2009 in Jamia Hamdard, New Delhi: Participated as delegate.



- ❖ AICTE Sponsored national seminar on Emerging Trends in novel drug delivery systems 27<sup>th</sup>-28<sup>th</sup> March 2009 in H. R. Institute of Pharmacy, Ghaziabad: Participated as delegate.
- ❖ 60<sup>th</sup> Indian Pharmaceutical Congress, 12-14 December 2008 in New Delhi: Participated as delegate

### Membership of Scientific and Professional Societies and Organizations

- Life Membership of Indian Pharmacy Graduates' Association (IPGA). **Membership no. LM-4655**
- **Registered Pharmacist (Registration No. 17966 )**, Delhi Pharmacy Council (2007)

### Teaching/Non-Teaching Activities

#### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

Pharmacognosy and Phytochemistry (Pharmacognosy, NPAM-304)
Working on <b>Nuclear Magnetic Resonance (NMR) Spectroscopy</b>

#### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	Pharma D (Mentoring)	10	August 2019	Till date
2	Pharma D (Supervision-project)	1	December 2019	March 2019
3	Pharma D (Supervision-project)	3	On going	-----

### Administrative Responsibilities, Committee and Community Service

#### Committee Membership

#	From	To	Position	Organization
1	13/02/2017	Till date	<b>Member</b> (Mission and Objectives, Program Administration and Management of Program Quality Assurance)	College of Clinical Pharmacy, Imam Abdulrahman Bin Faisal University, Dammam, KSA
2	12/05/2019	Till date	<b>Member</b> (Academic Advising and Student Support Unit)	College of Clinical Pharmacy, Imam Abdulrahman Bin Faisal University, Dammam, KSA
3	23/12/2019	Till date	<b>Member</b> (Quality Committee)	College of Clinical Pharmacy, Imam Abdulrahman Bin Faisal University, Dammam, KSA



**Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)**

1	NMR-TOPspin software
2	MS Office
3	Graphpad software (Dunett's Test)
4	HPTLC-Wincats software

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Last Update

23/01/2020