

DR. FAIYAZ SHAKEEL

Objectives

Objective is to associated with a renowned research organization in formulation research and development that gives me scope to upgrade my knowledge, research and management skills in accordance with the latest trends and be a part of a team that dynamically works towards the growth of the organization.

Qualification overview

- Well-qualified and technically proficient Research Scientist with about 8 years research experience with good academic qualification.
- Around 11 years teaching experience in different pharmacy colleges.
- Well trained in animals handling, designing and conducting various experiments on animals.
- Experience in sophisticated research techniques and technologies for sustained and targeted drug delivery system.
- Working experience with modern analytical tools (HPLC, IR, DSC, UV, TEM etc.) and pharmaceutical industry equipments (Dissolution apparatus, high pressure homogenizer, high shear mixer, high speed tablet machine, Neocota coating machine, manual capsule filling machine, hardness tester, friability tester, rota evaporator, lyophilizer etc).
- Well versed in the formulation and development of nanoemulsion-based drug delivery systems. Recently many articles on this topic have been published in different international journals.

Present Position:

Associate Professor

Teaching Experience:

11 Years

**July 2004 to
June 2006:**

Guest Lecture, Department of Pharmaceutics,
Shri Gopichand College of
Pharmacy, Baghpat (UP)

**August 2006 to
October 2007:**

Senior Lecture, Department of Pharmaceutics,
Bhawani Shankar Anangpuria Institute of
Pharmacy, Faridabad (Haryana)

**November 2007 to
November 2011:**

Lecture, Department of Pharmaceutics,
Faculty of pharmacy, Garyounis
University, Benghazi, Libya

**November 2011 to
March 2016:**

Assistant Professor, King Saud
University, Riyadh, Saudi Arabia

March 2016 to
Till date:

Associate Professor, King Saud University, Riyadh,
Saudi Arabia

PROFESSIONAL QUALIFICATIONS

- 2004 –2007** **Doctor of Philosophy in Pharmaceutics (Ph. D)**
- University: Jamia Hamdard, New Delhi, India.
- Title: **Formulation and development of transdermal dosage form (Nanoemulsions) for antirheumatoid drug**
- Advisors: Dr. Sanjula Baboota, Dr. Alka Ahuja and Dr. Javed Ali, Department of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard
- Status: Degree has been awarded in August 2008
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- 2002-2004** **Master of Pharmacy in Pharmaceutics (M. Pharm)**
- University: Jamia Hamdard, New Delhi, India
- Title: **Development and evaluation of bioadhesive transdermal gels of diclofenac diethylamine**
- Advisor: Dr. Sanjula Baboota, Jamia Hamdard, New Delhi, India
- Status: Passed in First Class. The project was sponsored by U.G.C. Thesis on the same topic was submitted to the University.
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- 1998-2002** **Bachelor in Pharmacy (B. Pharm.)**
- Institute: Jamia Hamdard, New Delhi, India
- Result: First class

ACADEMIC QUALIFICATION

- Secondary School Completed my Schooling from Rahmania Inter College Maudaha, Hamirpur (UP). Passed the Secondary school Examination with Second Class.
- Higher Secondary Passed from Rahmania Inter College Maudaha Hamirpur (UP) with

(1996)

First Class.

Practical Experience

Conclusion of the research project in Master of Pharmacy

- Developed bioadhesive transdermal gels for diclofenac diethylamine.
- The optimized gel showed controlled drug release for 24 hour through rat skin.
- The optimized gel also showed significant anti-inflammatory effects as compared to marketed Voveran® gel in Wistar male rats.

Conclusion of PhD thesis -Worked on the development of transdermal dosage forms (nanoemulsion) for Antirheumatoid Drug.

- Developed nanoemulsion and nanoemulsion gel formulations of celecoxib and aceclofenac for arthritis.
- The formulations showed controlled release for 24 h through rat skin.
- Developed skin permeation mechanism of celecoxib and aceclofenac using various techniques.
- Celecoxib and aceclofenac permeation from the nanoemulsions follows pseudo-zero order kinetics.
- Interaction study by DSC and FTIR, HPLC method validated.
- Pharmacokinetic study shows higher absorption of celecoxib from nanoemulsion and nanoemulsion gel formulations as compared to marketed capsule formulation.
- Pharmacodynamic study in male Wistar rats.
- Histopathological study.
- The data was statistically analyzed with ANOVA followed by Tukey-Kramer multiple comparisons test using GraphPad InStat software (GraphPad Software Inc., CA, USA).

ADDITIONAL INFORMATION

Computer Awareness: Have ample exposure to computers. Conversant with word processing programs like, Microsoft Word for windows, Power point etc.

Have adequate knowledge of Database Management systems (DBMS) such as Microsoft Excel, FoxPro, dBase III Plus. Have knowledge of programming in above DBMS.

Seminar attended: Patent awareness seminar, 18 February 2003, New Delhi.
Guiding principles for pharmacist HIV/AIDS in India 3rd August 2003, New Delhi.
Guiding principles for pharmacist HIV/AIDS in India and update on newer drugs development for HIV/AIDS and in ocular pharmacology 7th September 2003, AIIMS New Delhi.

Industrial Training: One month industrial training in Analytical and production division of Arbro Pharmaceutical Pvt. Ltd. New Delhi-110015 during M.Pharm.

MERITS, SCHOLARSHIPS AND ACHEIVEMENTS

- Passed **GATE-2002**, conducted by I.I.Sc. Bangalore on the behalf of Ministry of Human Resources, Govt. of India, with **Percentile Score of 95.99**. Scholarship was awarded to undergo M.Pharm. Degree based on GATE score.
- Worked as a project Assistant under UGC major research project for the period of 6 Months.
- Awarded Hamdard National Foundation (HNF) Fellowship during Ph.D.
- Awarded central waqf council (CWC) scholarship during B.Pharm.
- Awarded student achievement award in R_x 2007, Jamia Hamdard, New Delhi.
- Awarded best scientific poster award in R_x 2007, Jamia Hamdard, New Delhi.
- Awarded APP Young Scientist Award in 2011 on the occasion of National Symposium on "Current Challenges in Pharmaceutical Education and Research" in Globus College of Pharmacy, Bhopal, India.
- Research article entitled "Development and bioavailability assessment of ramipril nanoemulsion formulations" has been awarded best EJPB paper award (most cited paper award) 19 March in 2012 on the occasion of 8th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, 19-22 March 2012, Istanbul, Turkey. The prize money of 500 Euro was given for this award.
- Awarded International Travel Grant from Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India to present Research paper on 5th World meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Geneva, Switzerland.
- Research article entitled "Development and bioavailability assessment of ramipril nanoemulsion formulation" listed in top 25 hottest article lists of European Journal of Pharmaceutics and Biopharmaceutics (April-June 2007).
- Research article entitled "Ultra fine super self-nanoemulsifying drug delivery system enhanced solubility and dissolution of indomethacin" listed in top 25 most cited article lists of Journal of Molecular Liquids.
- Research article entitled "Transdermal delivery of anticancer drug caffeine from water-in-oil nanoemulsion" listed in top 25 hottest article lists of Colloids and Surface B: Biointerfaces (October-December 2009)
- Research article entitled "Skin permeation mechanism and bioavailability enhancement of celecoxib from transdermally applied nanoemulsion" listed in top 10 hottest article lists of Journal of Nanobiotechnology, 2008.

- Research article entitled "Chemoprevention of skin cancer using low HLB surfactant nanoemulsion of 5-fluorouracil: a preliminary study" was selected as the most downloaded article of Drug Delivery, December, 2013.
- Review article entitled "A review on strategies for oral delivery of protein and peptides and their clinical perspectives" was listed in top 25 most downloaded articles of Saudi Pharmaceutical Journal (October, 2014).
- Research article entitled "Thermodynamics of solubility of isatin in (PEG 400 + water) mixed solvent system at (298.15 to 338.15) K" was listed in top 25 most downloaded articles of Journal of Chemical Thermodynamics, April, 2015.
- Selected as post doctoral research fellow under supervision of Professor MJ Lawrence, Kings College of London, UK.
- Selected as post doctoral research fellow under supervision of Professor Shen Zhao Lin, China.
- Appointed as International reviewer for evaluation of Ph. D. thesis entitled "Preparation and evaluation of transdermal drug delivery system for nitrendipine" from Uttar Pradesh Technical University (UPTU), Lucknow.
- Appointed as International reviewer for evaluation of Ph. D. thesis entitled "Design development and evaluation of lipid based nanoparticle of some antitubercular drugs" from BIT University, Ranchi, India.
- Appointed as reviewer for evaluation of research proposal entitled "Anti-biofilm activity of natural products from plant origin" from University of Hail, Hail, Saudi Arabia.
- Appointed as reviewer for evaluation of research proposal entitled "Nanodrug delivery approaches for date seed oil in the effective management of osteoarthritis" from University of Hail, Hail, Saudi Arabia.
- Appointed as reviewer for evaluation of research proposal entitled "Screening and biological evaluation of arylidine compounds hematological malignancies" from King Khalid University, Abha, Saudi Arabia.
- Appointed as reviewer for evaluation of research proposal entitled "Cytotoxicity of Solanum Incanum extract against HCT116 colon cancer cell line" from King Khalid University, Abha, Saudi Arabia.
- Appointed as reviewer for evaluation of research proposal entitled "Preparation, characterization and evaluation of anticancer activity of cucurbitacin loaded nanostructured lipid carriers with potential synergistics antimalignancy components in breast cancer" from King Khalid University, Abha, Saudi Arabia.
- Appointed as reviewer for the evaluation of book proposal entitled "Pharmaceutical Nanotechnology" from Elsevier Nanoscience and Nanotechnology section.
- Appointed as reviewer for the evaluation of book proposal entitled "Nanotechnology in Drug Delivery" from Elsevier Nanoscience and Nanotechnology section.
- Recently invited as guest editor for forthcoming special issue of Recent patents on Drug Delivery and Formulations.
- Invited to write Review Article on "Nanoemulsions as potential vehicles for transdermal and dermal delivery of hydrophobic compounds: an overview" from

Expert Opinion on Drug Delivery (IF-4.89). This Review article has been accepted and published in August issue of 2012.

- Our Review Article entitled "Nanoemulsions as potential vehicles for transdermal and dermal delivery of hydrophobic compounds: an overview" has been picked up by editor as an editor's choice article of the August month.
- Appointed as reviewer on several occasions from the following international journals:
 1. Molecular Pharmaceutics (ACS Publication)
 2. Journal of Drug Targeting (Informa Healthcare)
 3. AAPS PharmSciTech (Springer)
 4. Current Drug Delivery (Bentham Science Publication)
 5. Recent Patents on Nanotechnology (Bentham Science Publication)
 6. Drug Development and Industrial Pharmacy (Informa Healthcare)
 7. Current Pharmaceutical Design (Bentham Science Publication)
 8. Asian Journal of Pharmaceutics
 9. Pharmaceutical Development and Technology (Informa Healthcare)
 10. Journal of Chromatographic Science (Ingenta connect)
 11. Pharmaceutical Biology (Informa Healthcare)
 12. Journal of Serbian Chemical Society (Serbian Chemical Society)
 13. Journal of Bioequivalence and Bioavailability (Omic groups)
 14. Agro Food industry hi tech
 15. Eur Asian Journal of BioSciences
 16. Journal of Pharmaceutical Innovation (Springer)
 17. Current Nanoscience (Bentham Science Publication)
 18. Journal of Microencapsulation (Informa Healthcare)
 19. Expert Opinion on Drug Metabolism and Toxicology (Informa Healthcare)
 20. Journal of Nanobiotechnology (Biomedical Central)
 21. International Journal of Pharmaceutics (Elsevier)
 22. International Journal of Nanomedicine (Dove Medical Press)
 23. Drug Design, development and therapy (Dove Medical Press)
 24. ISRN Pharmaceutics (Hindawi Publisher)
 25. Analytical Letters (Informa Healthcare)
 26. Journal of Chemical Society of Pakistan (Chemical Society of Pakistan)
 27. Cancer Chemotherapy and Pharmacology (Springer)
 28. Jordan Journal of Biological Sciences
 29. Colloids and Surface B: Biointerfaces (Elsevier)
 30. Clinical Research and Regulatory Affairs (Informa Healthcare)
 31. Immunopharmacology and Immunotoxicology (Informa Healthcare)
 32. International Immunopharmacology (Elsevier)
 33. The Open Colloid Science Journal (Bentham open publisher)
 34. Drug Delivery (Informa Healthcare)
 35. Natural Product Research (Informa Healthcare)
 36. Methods and Findings in Experimental and Clinical Pharmacology (Prouse Science)
 37. European Journal of Chemistry
 38. Chemotherapy (Karger publication)
 39. Chemical Papers (Springer)
 40. Journal of Biochemical and Molecular Toxicology (Wiley online library)
 41. Expert opinion on Therapeutic patents (Informa Healthcare)

42. Medicinal Chemistry Research (Springer)
43. African Journal of Pharmacy and Pharmacology (Academic Journals)
44. Letters in Drug Design and Discovery (Bentham Science Publisher)
45. Expert Opinion on Drug Delivery (Informa Healthcare)
46. Acta Chromatographica (Akademiai Kiado)
47. BMC Dermatology (Biomedical Center)
48. Journal of Agriculture and Food Chemistry (ACS Publication)
49. African Journal of Biotechnology (Academic Journals)
50. Pharmaceutica Analytica Acta (Omics publisher)
51. Journal of Hazardous Materials (Elsevier)
52. Current Drug Targets (Bentham Science Publisher)
53. Journal of Liquid Chromatography & Related Technologies (Taylor & Francis)
54. Current Drug Targets (Bentham Science)
55. British Journal of Pharmaceutical Research
56. Arabian Journal of Chemistry (Elsevier)
57. European Journal of Pharmaceutical Sciences (Elsevier)
58. Drug Testing and Analysis (Willey Interscience)
59. Chemical Engineering Journal (Elsevier)
60. Pharmacognosy Journal (Elsevier)
61. Pharmacognosy Research
62. Iranian Journal of Pharmaceutical Research
63. Nanoscience and Nanotechnology Letters (American Scientific Publisher)
64. Journal of Pharmacy and Pharmacology (Willey Interscience)
65. International Journal of Chemical Kinetics (Willey Interscience)
66. Asia Pacific Journal of Tropical Biomedicine (Elsevier)
67. Journal of Nanoparticle Research (Springer)
68. Archives of Pharmacal Research (Springer)
69. Pharmaceutical Nanotechnology (Bentham Science Publisher)
70. Journal of Molecular Liquids (Elsevier)
71. Powder Technology (Elsevier)
72. Journal of Oleo Science (Japanese Oil Chemists Society)
73. Industrial & Engineering Chemistry Research (American Chemical Society)
74. Bulgarian Chemical Communications
75. Desalination and Water Treatment (Taylor & Francis)
76. Journal of Water Process and Engineering (Elsevier)
77. Bulgarian Chemical Communications
78. Journal of Applied Solution Chemistry and Modeling
79. Journal of Chemical & Engineering Data (American Chemical Society)
80. Scientia Pharmaceutica (Pharmaceutical Society of Austria)
81. Colloids and Polymer Science (Springer)
82. Saudi Pharmaceutical Journal (Elsevier)
83. Biomed Research International (Hindawi)
84. Brazilian Journal of Chemical Engineering
85. Thermochemica Acta (Elsevier)
86. Fluid Phase Equilibria (Elsevier)
87. Acta Pharmacologica Sinica (Nature Publishing Group)
88. Libyan Journal of Medicine
89. Journal of Chemical Thermodynamics (Elsevier)
90. Current Pharmaceutical Design (Bentham Science Publication)
91. Journal of Liposome Research (Informa Healthcare)

92. Plos One
93. Korean Journal of Chemical Engineering (Springer)
94. Food Chemistry (Elsevier)
95. Artificial cells, Nanomedicine and Biotechnology (Informa Healthcare)
96. Journal of Applied Pharmaceutical Research
97. RSC Advances (RSC publisher)
98. Revista Colombiana de Química
99. Polymer Bulletin (Springer)
100. Nanomedicine (Future Medicine)
101. International Journal of Biological Macromolecules (Elsevier)
102. Biomedical Chromatography (Wiley Interscience)
103. LWT-Food Science and Technology (Elsevier)
104. Phytomedicine (Elsevier)
105. Biological Trace Element Research (Springer)
106. Colloids and Surface A: Physicochemical Engineering Aspects (Elsevier)
107. Journal of Food Science (Wiley Interscience)
108. Therapeutic Delivery (Future Science)
109. Current Pharmaceutical Analysis (Bentham Science Publication)
110. Journal of Chemical Engineering of Japan
111. Journal of Trace Element Research in Medicine and Biology (Elsevier)
112. Industrial Crops and Products (Elsevier)
113. Journal of King Saud University-Science (Elsevier)
114. Biomaterials Science (RSC)

Editorial experience

Appointed as an editor/active member of the following international journals:

1. Current Drug Delivery (IF 2.248)
2. Editor-in-Chief of Journal of Scientific and Innovation Research (since Nov 2014 to present)
3. Academic Editor of British Journal of Pharmaceutical Research
4. Academic Editor of International Scholarly Research Notice (Pharmaceutics)
5. Academic Editor of Journal of Advances in Medical and Pharmaceutical Sciences
6. Journal of Pharmaceutical Science and Allied Research (JPSAR)
7. International Journal of Pharmaceutical Frontier Research (IJPFR)
8. Pharmaceutical Sciences
9. Journal of Molecular Nanotechnology and Nanomedicine
10. Guest editor Recent Patents on Drug Delivery and Formulation
11. Bulletin of Pharmaceutical Research
12. Guest editor Biomedical International Journal

Membership

Life time member of the following societies:

1. American Nano Society
2. Association of Pharmacy Professionals

Students supervised

The following students have been supervised at graduation level:

Name of students	Project title
1. Sara Idris 2. Fauzia Abdullah	Potential of nanoemulsions for transdermal delivery of indomethacin
1. Khalid Saifi 2. Ahmed	Development of w/o nanoemulsions for transdermal delivery of caffeine
Jazyia Abdullah	Overview of transdermal delivery of hydrophobic drugs using nanoemulsions
1. Marwa Ahmed 2. Mukhtar Hayat	Overview of natural antiageing agents

Funded projects completed

2012 – 2014	Cholesterol rich nanoemulsions for drug targeting of 5-fluorouracil conjugateds for colon cancer. NANO Program, Strategic Plan for Technology and Sciences Program, National Plan for Sciences and Technology Program, Ministry of Higher Education, King Saud University (<u>11-NAN1286-02</u>), SR 20,00000 Role: Co-Investigator
2014–2015	Solubility and drug delivery potential of some poorly soluble drugs. Funded by Deanship of Scietific research, King Saud University, Riyadh, Saudi Arabia (<u>RG-1435-005</u>), SR 150,000. Role: Principal investigator
2014–2015	Design, synthesis and biological evaluation of isoniazid analogues. Funded by Deanship of Scietific research, King Saud University, Riyadh, Saudi Arabia (<u>RG-1435-006</u>), SR 150,000. Role: Co-Investigator
2015–2016	Self-nanoemulsifying drug delivery potential of some poorly soluble drugs. Funded by Deanship of Scietific research, King Saud University, Riyadh, Saudi Arabia (<u>RG-1435-005</u>), SR 150,000. Role: Principal investigator

2015–2016 Design, synthesis and biological evaluation of some semithiaocarbazone derivatives. Funded by Deanship of Scientific research, King Saud University, Riyadh, Saudi Arabia (RG-1435-006), SR 150,000.
Role: Co-Investigator

Ongoing projects

2016 – 2018 Solidification of self-emulsifying/self-nanoemulsifying lipid formulation (SELF/SNELF) by high adsorption materials: the effects of digestion and dispersion on the performance of the formulations. NANO Program, Strategic Plan for Technology and Sciences Program, National Plan for Sciences and Technology Program, Ministry of Higher Education, King Saud University (13-NAN929), SR 10,00000
Role: Co-Investigator

2016 – 2018 Bacterial ghosts as targeted drug delivery carrier for some anticancer drugs. Strategic Plan for Technology and Sciences Program, National Plan for Sciences and Technology Program, Ministry of Higher Education, King Saud University (14-NAN561-02), SR 20,00000
Role: Co-Investigator

2016–2017 Self-nanoemulsifying drug delivery system for enhancement of anticancer efficacy of some anticancer agents. Funded by Deanship of Scientific research, King Saud University, Riyadh, Saudi Arabia (RG-1435-005), SR 150,000.
Role: Principal investigator

2016–2017 Design, synthesis and biological evaluation of some hydrazine derivatives. Funded by Deanship of Scientific research, King Saud University, Riyadh, Saudi Arabia (RG-1435-006), SR 150,000.
Role: Co-Investigator

2017–2018 Design and development of polymeric conjugates for enhancement of bioavailability and safety of rosuvastatin. Funded by Deanship of Scientific research, Northern Border University, Rafah, Saudi Arabia, SR 60,000.
Role: Co-Investigator

2017–2018 Development of essential oil based fipronil nanoemulsions for the treatment of Ectoparasite infection in animals. Funded by Deanship of Scientific research, Northern Border University, Rafah, Saudi Arabia, SR 60,000.
Role: Co-Investigator

INTERNATIONAL PUBLICATIONS

Author H-index-28- <http://scholar.google.com/citations?hl=en&user=vox8ovEAAAAAJ>

Author I₁₀ index-91

Total citations-3975 (7 articles have been cited more than 100 times)

Accepted and online available articles

1. N. Haq, N.A. Siddiqui, P. Alam, **F. Shakeel**, F.K. Alanazi, I.A. Alsarra. Estimation of sodium lauryl sulphate concentration in marketed formulations by stability-indicating high 'green' planar chromatographic method. *Chiang Mai Journal of Science*. (Accepted) (Impact factor-0.437).
2. N. Haq, **F. Shakeel**, F.K. Alanazi, D.H. Alshora, M.A. Ibrahim. Development and validation of a green RP-HPLC method for the analysis of rosuvastatin: a step towards making liquid chromatography benign. *Green Processing and Synthesis*. (2017) DOI: 10.1515/gps-2017-0023. (Impact factor-1.291).
3. K.F. Alhasani, **F. Shakeel**, F.K. Alanazi, K. Mohsin. Development and validation of stability-indicating UHPLC method for ramipril analysis in pharmaceutical dosage forms and its application in lipid-based formulations. *Oriental Journal of Chemistry*. (Accepted).

Published in 2018

1. **F. Shakeel**, N. Haq, S. Alshehri, M.A. Ibrahim, E.M. Elzayat, M.A. Altamimi, K. Mohsin, F.K. Alanazi, I.A. Alsarra. Solubility, thermodynamic properties and solute-solvent molecular interactions of luteolin in various pure solvents. *J Mol Liq*. 255 (C), 43-50, 2018. (Impact factor-3.648).
2. M.A. Altamimi, E.M. Elzayat, A.A. Alhowyan, S. Alshehri, **F. Shakeel**. Effect of β -cyclodextrin and different surfactants on solubility, stability, and permeability hydrochlorothiazide. *J Mol Liq*. 250 (C), 323-328, 2018. (Impact factor-3.648).
3. S. Alshehri, N. Haq, **F. Shakeel**. Solubility, molecular interactions and mixing thermodynamic properties of piperine in various pure solvents at different temperatures. *J Mol Liq*. 250 (C), 63-70, 2018. (Impact factor-3.648).
4. M.A. Kalam, A.A. Khan, A. Alshamsan, **F. Shakeel**. Solubility of a poorly soluble immunosuppressant in different pure solvents: Measurement, correlation, thermodynamics and molecular interactions. *J Mol Liq*. 249 (C), 53-60, 2018. (Impact factor-3.648).

5. S.M. Alshahrani, A.S. Alshetaili, A. Alalaiwe, B. Alsulyas, M.K. Anwer, R. Al-Shdefat, F. Imam, **F. Shakeel**. Anticancer efficacy of self-nanoemulsifying drug delivery system of sunitinib malate. *AAPS Pharm Sci Tech.* 19 (1), 123-133, 2018. **(Impact factor-2.451)**.
6. A.A. Alsuwyeh, **F. Shakeel**, F.K. Alanazi, M.M. Salem-Bekhit, N. Haq. Estimation of antineoplastic drug doxorubicin in bacterial ghost matrix by new “environmentally benign” RP-HPLC method: a step towards sustainable development of pharmaceutical industry. *Arabian J Sc Eng.* 43 (1), 181-190, 2018. **(Impact factor-0.865)**.

Published in 2017

1. **F. Shakeel**, N. Haq, F.K. Alanazi, I.A. Alsarra. Solubility and thermodynamic function of apremilast in different (Transcutol + water) cosolvent mixtures: Measurement, correlation and molecular interactions. *J Ind Eng Chem.* 56 (C), 99-107, 2017. **(Impact factor-4.421)**.
2. N. Haq, N.A. Siddiqui, **F. Shakeel**. Solubility and molecular interactions of ferulic acid in various (isopropanol + water) mixtures. *J Pharm Pharmacol.* 69 (11), 1485-1494, 2017. **(Impact factor-2.405)**.
3. A. Muheem, M.H. Warsi, Z. Naz, **F. Shakeel**, G.K. Jain, F.J. Ahmad. Design of experiment (DOE) based stability indicating RP-HPLC method of ubidecarinone in bulk drug and pharmaceutical formulation. *Brazilian J Pharm Sci.* 53 (4), e1485, 2017. **(Impact factor-0.474)**.
4. A. Muheem, M.H. Warsi, Z. Naz, M. Anwar, **F. Shakeel**, G.K. Jain, F.J. Ahmad. A combinatorial statistical design approach to optimize the nanostructured cubosomal carrier system for oral delivery of ubidecarinone for management of DOX induced cardiotoxicity: In vitro and in vivo investigations. *J Pharm Sci.* 106 (10), 3050-3065, 2017. **(Impact factor-2.713)**.
5. A. Ahad, **F. Shakeel**, M. Raish, F.I. Al-Jenoobi, A.M. Al-Mohizea. Solubility and thermodynamic analysis of antihypertensive agent nitrendipine in six pure solvents at the temperature range of 298.15 to 318.15 K. *AAPS Pharm Sci Tech.* 18 (7), 2737-2743, 2017. **(Impact factor-2.451)**.
6. S.H. Auda, M.M. Salem-Bekhit, F.K. Alanazi, I.A. Alsarra, **F. Shakeel**. Antimicrobial evaluation of novel buccoadhesive films containing Myrrh extract. *Polym Bull.* 74 (10), 4041-4054, 2017. **(Impact factor-1.430)**.

7. F. Almarri, N. Haq, F.K. Alanazi, K. Mohsin, I.A. Alsarra, F.S. Aleanizy, **F. Shakeel**. An environmentally benign HPLC-UV method for thermodynamic solubility measurement of vitamin D3 in various (Transcutol + water) mixtures. *J Mol Liq.* 242 (C), 798-806, 2017. **(Impact factor-3.648)**.
8. S. Alshehri, **F. Shakeel**, M. Ibrahim, E. Elzayat, M. Altamimi, G. Shazly, K. Mohsin, M. Alkholief, B. Alsulays, A. Alshetaili, A. Alshahrani, B. Almalki, F. Alanazi. Influence of microwave technology on solid dispersions of mefenamic acid and flufenamic acid. *PLOS ONE*. 12 (7), e0182011, 2017. **(Impact factor-2.806)**.
9. S. Alshehrai, **F. Shakeel**. Solubility measurement, thermodynamics and molecular interactions of flufenamic acid in different neat solvents. *J Mol Liq.* 240 (C), 447-453, 2017. **(Impact factor-3.648)**.
10. A.A. Gesawat, **F. Shakeel**. Synthesis and characterization of ternary complexes of chromium(III) with L-histidine and various diols. *Arabian J Chem.* 10 (S2), S2575-S2579, 2017. **(Impact factor-4.553)**.
11. M.A. Kalam, M. Raish, A. Ahmad, K.M. Alkharfy, K. Mohsin, A. Alshamsan, F.I. Al-Jenoobi, A.M. Al-Mohizea, **F. Shakeel**. Oral bioavailability enhancement and hepatoprotective effects of thymoquinone by self-nanoemulsifying drug delivery systems. *Mater Sci Eng C.* 76 (C), 319-329, 2017. **(Impact factor-4.164)**.
12. **F. Shakeel**. Rheological behavior and physical stability of caffeine loaded water-in-oil nanoemulsions. *Chiang Mai J Sci.* 44 (3), 1049-1055, 2017. **(Impact factor-0.437)**.
13. M. Imran, N. Haq, Abida, F.K. Alanazi, I.A. Alsarra, **F. Shakeel**. Solubility and thermodynamics of 6-phenyl-4,5-dihydropyridazin-3-(2H)-one in various neat solvents at different temperatures. *J Mol Liq.* 238 (C), 455-461, 2017. **(Impact factor-3.648)**.
14. **F. Shakeel**, M.M. Salem-Bekhit, N. Haq, N.A. Siddiqui. Solubility and thermodynamics of ferulic acid in different mono solvents: Measurement, correlation and molecular interactions. *J Mol Liq.* 236 (C), 144-150, 2017. **(Impact factor 3.648)**.
15. S.R. Ahamad, M. Raish, S.H. Yaqoob, A. Khan, **F. Shakeel**. Metabolomics and trace element analysis of camel tear by GC-MS and ICP-MS. *Biol Trace Elem Res.* 175 (6), 251-257, 2017. **(Impact factor 2.399)**.

16. **F. Shakeel**, N. Haq, F.K. Alanazi, I.A. Alsarra. Solubility and thermodynamics of apremilast in different mono solvents: Determination, correlation and molecular interactions. *Int J Pharm.* 523 (1), 410-417, 2017. **(Impact factor 3.994)**.
17. **F. Shakeel**, S. Alshehri, M.A. Ibrahim, E.M. Elzayat, M.A. Altamimi, K. Mohsin, F.K. Alanazi, I.A. Alsarra. Solubility and thermodynamic parameters of apigenin in different neat solvents at different temperatures. *J Mol Liq.* 234 (C), 73-80, 2017. **(Impact factor-3.648)**.
18. M.A. Kalam, S. Alshehri, A. Alshamsan, A. Haque, **F. Shakeel**. Solid liquid equilibrium of an antifungal drug itraconazole in different neat solvents: Determination and correlation. *J Mol Liq.* 234 (C), 81-87, 2017. **(Impact factor-3.648)**.
19. M.J. Ansari, M.M. Ahmed, M.K. Anwer, S. Jamil, A. Alalaiwe, A.S. Alshetaili, R. Shdefat, R. Ali, **F. Shakeel**. Formulation and characterization of fluconazole loaded olive oil nanoemulsions. *Indo Amer J Pharm Sci.* 4 (4), 852-860, 2017.
20. M. Alghazi, F.K. Alanazi, K. Mohsin, **F. Shakeel**, N. Haq. Simultaneous separation of anti-hyperlipidemic drugs by green UPLC-DAD method: improving health of liquid chromatography. *J Food Drug Anal.* 25 (2), 430-437, 2017. **(Impact factor-3.048)**.
21. P. Alam, M.J. Ansari, M.K. Anwer, M. Raish, Y.K.T. Kamal, **F. Shakeel**. Wound healing evaluation of nanoemulsion containing clove essential oil. *Artif Cells Nanomed Biotechnol.* 45 (3), 591-597, 2017. **(Impact factor-5.605)**.
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