

## LIST OF PUBLICATIONS IN REFEREED JOURNALS:

1. Raish, M., A. Ahmad, M.A. Ansari, K.M. Alkharfy, F.I. Aljenoobi, B.L. Jan, A.M. Al-Mohizea, A. Khan, and N. Ali, *Momordica charantia polysaccharides ameliorate oxidative stress, inflammation, and apoptosis in ethanol-induced gastritis in mucosa through NF-kB signaling pathway inhibition*. International journal of biological macromolecules, 2018. **111**: p. 193-199.
2. Raish, M., A. Ahmad, M.A. Ansari, K.M. Alkharfy, A. Ahad, A. Khan, F.I. Aljenoobi, N. Ali, and A.M. Al-Mohizea, *Effect of sinapic acid on aripiprazole pharmacokinetics in rats: Possible food drug interaction*. Journal of Food and Drug Analysis, 2018.
3. Raish, M., A. Ahmad, M.A. Ansari, A. Ahad, F.I. Al-Jenoobi, A.M. Al-Mohizea, A. Khan, and N. Ali, *Sinapic acid ameliorates bleomycin-induced lung fibrosis in rats*. Biomedicine & Pharmacotherapy, 2018. **108**: p. 224-231.
4. Madkhali, H.A., M.A. Ganaie, M. Raish, B.L. Jan, and A. Ahmad. *Nardostachys jatamansi ameliorates doxorubicin induced cardiotoxicity via down regulation oxidative stress and inflammatory markers in rats*. in *FASEB JOURNAL*. 2018. FEDERATION AMER SOC EXP BIOL 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998 USA.
5. Gautam, V., S. Kohli, S. Arora, R. Bhardwaj, M. Kazi, A. Ahmad, M. Raish, M. Ganaie, and P. Ahmad, *Antioxidant and Antimutagenic Activities of Different Fractions from the Leaves of Rhododendron arboreum Sm. and Their GC-MS Profiling*. Molecules, 2018. **23**(9): p. 2239.
6. Bhat, M.A., M.A. Al-Omar, M. Raish, M.A. Ansari, H.A. Abuelizz, A.H. Bakheit, and A.M. Naglah, *Indole Derivatives as Cyclooxygenase Inhibitors: Synthesis, Biological Evaluation and Docking Studies*. Molecules, 2018. **23**(6): p. 1250.
7. Alkholief, M., H. Albasit, A. Alhowyan, S. Alshehri, M. Raish, M.A. Kalam, and A. Alshamsan, *Employing a PLGA-TPGS based nanoparticle to improve the ocular delivery of Acyclovir*. Saudi Pharmaceutical Journal, 2018.

8. Alkharfy, K.M., A. Ahmad, B.L. Jan, and M. Raish, *Thymoquinone reduces mortality and suppresses early acute inflammatory markers of sepsis in a mouse model*. Biomedicine & Pharmacotherapy, 2018. **98**: p. 801-805.
9. Ahmad, A., M. Raish, K.M. Alkharfy, I.A. Alsarra, A. Khan, A. Ahad, B.L. Jan, and F. Shakeel, *Solubility, solubility parameters and solution thermodynamics of thymoquinone in different mono solvents*. Journal of Molecular Liquids, 2018. **272**: p. 912-918.
10. Ahmad, A., B.L. Jan, M. Raish, K.M. Alkharfy, A. Ahad, A. Khan, M.A. Ganaie, and M.A.A. Hamidaddin, *Inhibitory effects of *Lepidium sativum* polysaccharide extracts on TNF- $\alpha$  production in *Escherichia coli*-stimulated mouse*. 3 Biotech, 2018. **8**(6): p. 286.
11. Ahad, A., F. Shakeel, O.A. Alfaifi, M. Raish, A. Ahmad, F.I. Al-Jenoobi, and A.M. Al-Mohizea, *Solubility determination of raloxifene hydrochloride in ten pure solvents at various temperatures: Thermodynamics-based analysis and solute–solvent interactions*. International journal of pharmaceutics, 2018. **544**(1): p. 165-171.
12. Ahad, A., M. Raish, F.I. Al-Jenoobi, and A.M. Al-Mohizea, *Sorbitane monostearate and cholesterol based niosomes for oral delivery of telmisartan*. Current drug delivery, 2018. **15**(2): p. 260-266.
13. Ahad, A., M. Raish, A. Ahmad, F.I. Al-Jenoobi, and A.M. Al-Mohizea, *Development and biological evaluation of vesicles containing bile salt of telmisartan for the treatment of diabetic nephropathy*. Artificial cells, nanomedicine, and biotechnology, 2018: p. 1-8.
14. Ahad, A., M. Raish, A. Ahmad, F.I. Al-Jenoobi, and A.M. Al-Mohizea, *Eprosartan mesylate loaded bilosomes as potential nano-carriers against diabetic nephropathy in streptozotocin-induced diabetic rats*. European Journal of Pharmaceutical Sciences, 2018. **111**: p. 409-417.
15. Ahad, A., A.A. Al-Saleh, A.M. Al-Mohizea, F.I. Al-Jenoobi, M. Raish, A.E.B. Yassin, and M.A. Alam, *Formulation and characterization of Phospholipon 90 G and tween 80 based transfersomes for transdermal delivery of eprosartan mesylate*. Pharmaceutical development and technology, 2018. **23**(8): p. 787-793.

16. Abdelgalil, A.A., M.A. Alam, M. Raish, I.E. Mohammed, A.-E.H. Mohammed, M.A. Ansari, and F.I. Al Jenoobi, *Dasatinib significantly reduced in vivo exposure to cyclosporine in a rat model: The possible involvement of CYP3A induction*. Pharmacological Reports, 2018.
17. Syed Rizwan Ahamad, A.Q.A., Mohammad Raish, Faiyaz Shakeel, *Metabolomic and elemental analysis of camel and bovine urine by GC-MS and ICP-MS*. Saudi journal of biological sciences, 2017.
18. Shakeel, F., N. Haq, M.M. Salem-Bekhit, and M. Raish, *Solubility and dissolution thermodynamics of sinapic acid in (DMSO+ water) binary solvent mixtures at different temperatures*. Journal of Molecular Liquids, 2017. **225**: p. 833-839.
19. Raish, M., A. Ahmad, B.L. Jan, K.M. Alkharfy, K. Mohsin, S.R. Ahamad, and M.A. Ansari, *GC-MS-based Metabolomic Profiling of Thymoquinone in Streptozotocin-induced Diabetic Nephropathy in Rats*. NATURAL PRODUCT COMMUNICATIONS, 2017. **12**(4): p. 553-558.
20. Raish, M., A. Ahmad, K.M. Alkharfy, B.L. Jan, K. Mohsin, A. Ahad, F.I. Al-Jenoobi, and A.M. Al-Mohizea, *Effects of Paeonia emodi on hepatic cytochrome P450 (CYP3A2 and CYP2C11) expression and pharmacokinetics of carbamazepine in rats*. Biomedicine & Pharmacotherapy, 2017. **90**: p. 694-698.
21. Raish, M., *Momordica charantia polysaccharides ameliorate oxidative stress, hyperlipidemia, inflammation, and apoptosis during myocardial infarction by inhibiting the NF- $\kappa$ B signaling pathway*. International journal of biological macromolecules, 2017. **97**: p. 544-551.
22. Mothana, R.A., M.S. Al-Said, M. Raish, J.M. Khaled, N.S. Alharbi, A. Alatar, A. Ahmad, M. Al-Sohaibani, M. Al-Yahya, and S. Rafatullah, *Chemical composition, anti-inflammatory and antioxidant activities of the essential oil of Piper cubeba L.* ROMANIAN BIOTECHNOLOGICAL LETTERS, 2017. **22**(2): p. 12366-12376.
23. Madkhali, H.A., M.A. Ganaie, B.L. Jan, A. Ahmad, M.L. Raish, and S.R. Ahamad, *Elemental and Lipophilic Analysis of Kashmir Saffron by ICP-MS and GC-MS and its in-vivo Anti-inflammatory Potential*. The FASEB Journal, 2017. **31**(1\_supplement): p. lb556-lb556.

24. Kalam, M.A., M. Raish, A. Ahmed, K.M. Alkharfy, K. Mohsin, A. Alshamsan, F.I. Al-Jenoobi, A.M. Al-Mohizea, and F. Shakeel, *Oral bioavailability enhancement and hepatoprotective effects of thymoquinone by self-nanoemulsifying drug delivery system*. Materials Science and Engineering: C, 2017. **76**: p. 319-329.
25. Iqbal, M., M.A. Bhat, M. Raish, and E. Ezzeldin, *Determination of (4-(1, 3-dioxo-1, 3-dihydro-2H-isoindol-2-yl)-N'-[(4-ethoxyphenyl)methylidene] benzohydrazide, a novel anti-inflammatory agent, in biological fluids by UPLC-MS/MS: Assay development, validation and in vitro metabolic stability study*. Biomedical Chromatography, 2017. **31**(10): p. e3981.
26. Bhat, M.A., M.A. Al-Omar, M. Raish, M.A. Ansari, and H.A. Abuelizz, *Cyclooxygenase inhibitors*, 2017, US Patent 9,808,443.
27. Ansari, M.A., M. Raish, A. Ahmad, K.M. Alkharfy, S.F. Ahmad, S.M. Attia, A.M. Alsaad, and S.A. Bakheet, *Sinapic acid ameliorate cadmium-induced nephrotoxicity: in vivo possible involvement of oxidative stress, apoptosis, and inflammation via NF- $\kappa$ B downregulation*. Environmental toxicology and pharmacology, 2017. **51**: p. 100-107.
28. Ansari, M.A., A. Nadeem, S.M. Attia, S.A. Bakheet, M. Raish, and S.F. Ahmad, *Adenosine A2A receptor modulates neuroimmune function through Th17/retinoid-related orphan receptor gamma t (ROR $\gamma$ t) signaling in a BTBR T+ Itpr3tf/J mouse model of autism*. Cellular signalling, 2017. **36**: p. 14-24.
29. Ansari, M.A., S.M. Attia, A. Nadeem, S.A. Bakheet, M. Raish, T.H. Khan, O.A. Al-Shabanah, and S.F. Ahmad, *Activation of adenosine A2A receptor signaling regulates the expression of cytokines associated with immunologic dysfunction in BTBR T+ Itpr3tf/J mice*. Molecular and Cellular Neuroscience, 2017. **82**: p. 76-87.
30. Ansari, A.A., S. Khan, A. Aldalbahi, A.K. Parchur, B. Kumar, A. Kumar, M. Raish, and S. Rai, *In-vitro cytotoxicity evaluation of surface design luminescent lanthanide core/shell nanocrystals*. Arabian Journal of Chemistry, 2017.
31. Al-Taweel, A.M., M. Raish, S. Perveen, G.A. Fawzy, A. Ahmad, M.A. Ansari, S. Mudassar, and M.A. Ganaie, *Nepeta deflersiana attenuates isoproterenol-induced myocardial injuries in rats: Possible*

- involvement of oxidative stress, apoptosis, inflammation through nuclear factor (NF)- $\kappa$ B downregulation.* Phytomedicine, 2017. **34**: p. 67-75.
32. Alamri, R.G., K. Mohsin, A. Ahmad, M. Raish, and F.K. Alanazi, *Development and validation of bioanalytical UHPLC-UV method for simultaneous analysis of unchanged fenofibrate and its metabolite fenofibric acid in rat plasma: Application to pharmacokinetics.* Saudi Pharmaceutical Journal, 2017. **25**(1): p. 128-135.
  33. Alam, P., M.J. Ansari, M.K. Anwer, M. Raish, Y.K. Kamal, and F. Shakeel, *Wound healing effects of nanoemulsion containing clove essential oil.* Artificial cells, nanomedicine, and biotechnology, 2017. **45**(3): p. 591-597.
  34. Ahmad, A., M. Raish, M. Shahid, S. Batra, V. Batra, and S.A. Husain, *The synergic effect of HPV infection and epigenetic anomaly of the p16 gene in the development of cervical cancer.* Cancer Biomarkers, 2017. **19**(4): p. 375-381.
  35. Ahmad, A., S.A. Husain, M.A. Shahid, and M. Raish, *Screening of Mutations/SNPs through Spectrophotometric Melt-Curve Analysis: A Preliminary Study on Non-Electrophoretic and No-Dye Method of Mutation Detection.* 2017.
  36. Ahamad, S.R., M. Raish, S.H. Yaqoob, A. Khan, and F. Shakeel, *Metabolomics and trace element analysis of camel tear by GC-MS and ICP-MS.* Biological trace element research, 2017. **177**(2): p. 251-257.
  37. Ahamad, S.R., M. Raish, A. Ahmad, and F. Shakeel, *Potential health benefits and metabolomics of camel milk by GC-MS and ICP-MS.* Biological trace element research, 2017. **175**(2): p. 322-330.
  38. Ahamad, S.R., A.Q. Alhaider, M. Raish, and F. Shakeel, *Metabolomic and elemental analysis of camel and bovine urine by GC-MS and ICP-MS.* Saudi journal of biological sciences, 2017. **24**(1): p. 23-29.
  39. Ahad, A., F. Shakeel, M. Raish, F.I. Al-Jenoobi, and A.M. Al-Mohizea, *Solubility and Thermodynamic Analysis of Antihypertensive Agent Nitrendipine in Different Pure Solvents at the*

- Temperature Range of 298.15 to 318.15° K.* AAPS PharmSciTech, 2017. **18**(7): p. 2737-2743.
40. Ahad, A., A.A. Al-Saleh, A.M. Al-Mohizea, F.I. Al-Jenoobi, M. Raish, A.E.B. Yassin, and M.A. Alam, *Pharmacodynamic study of eprosartan mesylate-loaded transfersomes Carbopol® gel under Dermaroller® on rats with methyl prednisolone acetate-induced hypertension.* Biomedicine & Pharmacotherapy, 2017. **89**: p. 177-184.
  41. Ahad, A., A.A. Al-Saleh, A.M. Al-Mohizea, F.I. Al-Jenoobi, M. Raish, A.E.B. Yassin, and M.A. Alam, *Formulation and characterization of novel soft nanovesicles for enhanced transdermal delivery of eprosartan mesylate.* Saudi Pharmaceutical Journal, 2017. **25**(7): p. 1040-1046.
  42. Shakeel, F., M. Raish, M.K. Anwer, and R. Al-Shdefat, *Self-nanoemulsifying drug delivery system of sinapic acid: In vitro and in vivo evaluation.* Journal of Molecular Liquids, 2016. **224**: p. 351-358.
  43. Shakeel, F., N. Haq, M. Raish, N.A. Siddiqui, F.K. Alanazi, and I.A. Alsarra, *Antioxidant and cytotoxic effects of vanillin via eucalyptus oil containing self-nanoemulsifying drug delivery system.* Journal of Molecular Liquids, 2016. **218**: p. 233-239.
  44. Shakeel, F., N. Haq, M. Raish, M.K. Anwer, and R. Al-Shdefat, *Solubility and thermodynamic analysis of sinapic acid in various neat solvents at different temperatures.* Journal of Molecular Liquids, 2016. **222**: p. 167-171.
  45. Salem-Bekhit, M.M., M.O.G. El Rab, M.M. Tawfick, M. Raish, M.D. Fathallah, and M. Bayomi, *Original Research Article Humoral and cellular immune responses to modified hepatitis B plasmid DNA vaccine in mice.* Tropical Journal of Pharmaceutical Research, 2016. **15**(4): p. 687-693.
  46. Salem-Bekhit, M.M., M.O.G. El Rab, M.M. Tawfick, M. Raish, M.D. Fathallah, and M. Bayomi, *Humoral and cellular immune responses to modified hepatitis B plasmid DNA vaccine in mice.* Tropical Journal of Pharmaceutical Research, 2016. **15**(4): p. 687-693.
  47. Raish, M., A. Ahmad, B.L. Jan, K.M. Alkharfy, M.A. Ansari, K. Mohsin, F. al Jenoobi, and A. Al-Mohizea, *Momordica charantia polysaccharides mitigate the progression of STZ induced diabetic*

- nephropathy in rats*. International journal of biological macromolecules, 2016. **91**: p. 394-399.
48. Raish, M., A. Ahmad, K.M. Alkharfy, F.I. Al-Jenoobi, A.M. Al-Mohizea, K. Mohsin, S.R. Ahamad, N. Ali, and F. Shakeel, *Antioxidant potential and in situ analysis of major and trace element determination of Ood-saleeb, a known unani herbal medicine by ICP-MS*. Biological trace element research, 2016. **172**(2): p. 521-527.
  49. Raish, M., A. Ahmad, K.M. Alkharfy, S.R. Ahamad, K. Mohsin, F.I. Al-Jenoobi, A.M. Al-Mohizea, and M.A. Ansari, *Hepatoprotective activity of Lepidium sativum seeds against D-galactosamine/lipopolysaccharide induced hepatotoxicity in animal model*. BMC complementary and alternative medicine, 2016. **16**(1): p. 501.
  50. Mothana, R., M. Alsaid, J.M. Khaled, N.S. Alharbi, A. Alatar, M. Raish, M. Al-Yahya, S. Rafatullah, M.K. Parvez, and S.R. Ahamad, *Assessment of antinociceptive, antipyretic and antimicrobial activity of Piper cubeba L. essential oil in animal models*. Pakistan journal of pharmaceutical sciences, 2016. **29**.
  51. Mohsin, K., A.A. Rayan Alamri, M. Raish, F.K. Alanazi, and M.D. Hussain, *Development of self-nanoemulsifying drug delivery systems for the enhancement of solubility and oral bioavailability of fenofibrate, a poorly water-soluble drug*. International journal of nanomedicine, 2016. **11**: p. 2829.
  52. Korashy, H.M., M.A. Ansari, Z.H. Maayah, F. Imam, M. Raish, I.M. Attafi, N.O. Alharbi, and B.A. Moraished, *Differential Effects of Sunitinib on the Expression Profiles of Xenobiotic-Metabolizing Enzymes and Transporters in Rat Liver and Kidneys*. Basic & clinical pharmacology & toxicology, 2016. **119**(2): p. 173-183.
  53. Iqbal, M., E. Ezzeldin, M.A. Bhat, M. Raish, and K.A. Al-Rashood, *Preclinical pharmacokinetics, tissue distribution and excretion studies of a novel anti-candidal agent-thiosemicarbazide derivative of isoniazid (TSC-INH) by validated UPLC-MS/MS assay*. Journal of pharmaceutical and biomedical analysis, 2016. **117**: p. 109-117.
  54. Badran, M., A. Ahmad, M. Raish, and K. Mohsin, *Development, Characterization and In Vitro Skin Permeation Studies of Lornoxicam-Loaded Cubosomes (Novel Nanocarriers) versus*

- Liposomes*. LATIN AMERICAN JOURNAL OF PHARMACY, 2016. **35**(2): p. 358-365.
55. Ansari, M.A., M. Raish, A. Ahmad, S.F. Ahmad, S. Mudassar, K. Mohsin, F. Shakeel, H.M. Korashy, and S.A. Bakheet, *Sinapic acid mitigates gentamicin-induced nephrotoxicity and associated oxidative/nitrosative stress, apoptosis, and inflammation in rats*. Life sciences, 2016. **165**: p. 1-8.
  56. Al-Yahya, M., M. Raish, M.S. AISaid, A. Ahmad, R.A. Mothana, M. Al-Sohaibani, M.S. Al-Dosari, M.K. Parvez, and S. Rafatullah, *'Ajwa'dates (Phoenix dactylifera L.) extract ameliorates isoproterenol-induced cardiomyopathy through downregulation of oxidative, inflammatory and apoptotic molecules in rodent model*. Phytomedicine, 2016. **23**(11): p. 1240-1248.
  57. Alqarni, H.M., M. Kazi, A. Ahmad, M. Raish, and F.K. Alanazi, *Stability Indicating RP-UHPLC Method Development and Validation of Antipsychotic Drug Risperidone in Self Emulsifying Lipid and Solid Dosage Formulation*. LATIN AMERICAN JOURNAL OF PHARMACY, 2016. **35**(8): p. 1791-1798.
  58. Ahmad, A., M. Raish, K.M. Alkharfy, K. Mohsin, and F. Shakeel, *Box-Behnken supported development and validation of robust RP-HPLC method: an application in estimation of pravastatin in bulk and pharmaceutical dosage form*. Journal of the Chilean Chemical Society, 2016. **61**(2): p. 2963-2967.
  59. Ahmad, A., K.M. Alkharfy, M. Raish, H. Alrabiah, A.M. Alanazi, and T.A. Wani, *Response Surface Methodology Based Optimization of Robust RP-HPLC Method for Estimation of Sorafenib in Pharmaceutical Dosage Formulation*. LATIN AMERICAN JOURNAL OF PHARMACY, 2016. **35**(8): p. 1768-1775.
  60. Shakeel, F., G.A. Shazly, M. Raish, A. Ahmad, M.A. Kalam, N. Ali, M.A. Ansari, and G.M. Elosaily, *Biological investigation of a supersaturated self-nanoemulsifying drug delivery system of Piper cubeba essential oil*. RSC Advances, 2015. **5**(127): p. 105206-105217.
  61. Shakeel, F., F.K. Alanazi, M. Raish, N. Haq, A.A. Radwan, and I.A. Alsarra, *Pharmacokinetic and in vitro cytotoxic evaluation of*



*cholesterol-rich nanoemulsion of cholesteryl-succinyl-5-fluorouracil*. Journal of Molecular Liquids, 2015. **211**: p. 164-168.

62. Korashy, H., F. Al-Jenoobi, M. Raish, A. Ahad, A. Al-Mohizea, M. Alam, K. Alkharfy, and S. Al-Suwayeh, *Impact of herbal medicines like Nigella sativa, Trigonella foenum-graecum, and Ferula asafoetida, on cytochrome P450 2C11 gene expression in rat liver*. Drug Res (Stuttg), 2015. **65**(7): p. 366-372.
63. Bajrai, A.A., E. Ezzeldin, K.A. Al-Rashood, M. Raish, and M. Iqbal, *A Validated UPLC–MS-MS Assay for the Rapid Determination of Lorcaserin in Plasma and Brain Tissue Samples*. Journal of analytical toxicology, 2015. **40**(2): p. 133-139.
64. ALSaid, M., R. Mothana, M. Raish, M. Al-Sohaibani, M. Al-Yahya, A. Ahmad, M. Al-Dosari, and S. Rafatullah, *Evaluation of the effectiveness of Piper cubeba extract in the amelioration of CCl4-induced liver injuries and oxidative damage in the rodent model*. BioMed research international, 2015. **2015**.
65. Al-Mohizea, A.M., M. Raish, A. Ahad, F.I. Al-Jenoobi, and M.A. Alam, *Pharmacokinetic interaction of Acacia catechu with CYP1A substrate theophylline in rabbits*. Journal of Traditional Chinese Medicine, 2015. **35**(5): p. 588-593.
66. AL-Mohizea, A.M., A. Ahad, M. Raish, F.I. AL-Jenoobi, and M.A. Alam, *Improved Oral Bioavailability of Theophylline, a Narrow Therapeutic Index Drug by Ginger*. LATIN AMERICAN JOURNAL OF PHARMACY, 2015. **34**(2): p. 333-337.
67. Alkharfy, K.M., A. Ahmad, M. Raish, and P.M. Vanhoutte, *Thymoquinone modulates nitric oxide production and improves organ dysfunction of sepsis*. Life sciences, 2015. **143**: p. 131-138.
68. Al-Jenoobi, F.I., A. Ahad, G.M. Mahrous, M. Raish, M.A. Alam, and A.M. Al-Mohizea, *A simple HPLC–UV method for the quantification of theophylline in rabbit plasma and its pharmacokinetic application*. Journal of chromatographic science, 2015. **53**(10): p. 1765-1770.
69. Al-Jenoobi, F., M. Alam, A. Al-Mohizea, A. Ahad, and M. Raish, *Orally co-administrated oleo-gum resin of Commiphora myrrha decreases the bioavailability of cyclosporine A in rats*. Die

- Pharmazie-An International Journal of Pharmaceutical Sciences, 2015. **70**(8): p. 549-552.
70. Al-Jenoobi, F., A. Ahad, M. Raish, A. Al-Mohizea, and M. Alam, *Investigating the potential effect of Commiphora myrrha on the pharmacokinetics of theophylline, a narrow therapeutic index drug*. Drug research, 2015. **65**(06): p. 312-316.
  71. Ahmad, A., M. Raish, M.A. Ganaie, S.R. Ahmad, K. Mohsin, F.I. Al-Jenoobi, A.M. Al-Mohizea, and K.M. Alkharfy, *Hepatoprotective effect of Commiphora myrrha against d-GalN/LPS-induced hepatic injury in a rat model through attenuation of pro inflammatory cytokines and related genes*. Pharmaceutical biology, 2015. **53**(12): p. 1759-1767.
  72. Ahmad, A., R. Khan, K.M. Alkharfy, M. Raish, F.I. Al-Jenoobi, and A.M. Al-Mohizea, *Effects of Thymoquinone on the Pharmacokinetics and Pharmacodynamics of Glibenclamide in a Rat Model*. NATURAL PRODUCT COMMUNICATIONS, 2015. **10**(8): p. 1395-1398.
  73. Ahmad, A., K.M. Alkharfy, T.A. Wani, and M. Raish, *Application of Box-Behnken design for ultrasonic-assisted extraction of polysaccharides from Paeonia emodi*. International journal of biological macromolecules, 2015. **72**: p. 990-997.
  74. Ahad, A., F.I. Al-Jenoobi, A.M. Al-Mohizea, N. Akhtar, M. Raish, and M. Aqil, *Systemic delivery of  $\beta$ -blockers via transdermal route for hypertension*. Saudi Pharmaceutical Journal, 2015. **23**(6): p. 587-602.
  75. Aftab Alam, M., F.I. Al-Jenoobi, A. M Al-Mohizea, A. Ahad, and M. Raish, *Validated UPLC-MS method for pharmacokinetic investigations of cyclosporine-A in blood*. Current Pharmaceutical Analysis, 2015. **11**(3): p. 210-215.
  76. Iqbal, M., E. Ezzeldin, K. Al-Rashood, K. Al-Khamees, R. Khan, M. Raish, and T. Anwer, *Simple and rapid determination of zafirlukast in plasma by ultra-performance liquid chromatography tandem mass spectrometric method: application into pharmacokinetic study in rabbits*. Drug research, 2014. **64**(08): p. 412-419.
  77. El Gamal, A.A., M.S. AlSaid, M. Raish, M. Al-Sohaibani, S.M. Al-Massarani, A. Ahmad, M. Hefnawy, M. Al-Yahya, O.A. Basoudan,

- and S. Rafatullah, *Beetroot (Beta vulgaris L.) extract ameliorates gentamicin-induced nephrotoxicity associated oxidative stress, inflammation, and apoptosis in rodent model*. Mediators of inflammation, 2014. **2014**.
78. Al-Jenoobi, F.I., M.A. Alam, K.M. Alkharfy, S.A. Al-Suwayeh, H.M. Korashy, A.M. Al-Mohizea, M. Iqbal, A. Ahad, and M. Raish, *Pharmacokinetic interaction studies of fenugreek with CYP3A substrates cyclosporine and carbamazepine*. European journal of drug metabolism and pharmacokinetics, 2014. **39**(2): p. 147-153.
79. Al-Jenoobi, F., H. Korashy, A. Ahad, M. Raish, A. Al-Mohizea, M. Alam, S. Al-Suwayeh, and K. Alkharfy, *Potential inhibitory effect of herbal medicines on rat hepatic cytochrome P450 2D gene expression and metabolic activity*. Die Pharmazie-An International Journal of Pharmaceutical Sciences, 2014. **69**(11): p. 799-803.
80. Ahad, A., M. Raish, A.M. Al-Mohizea, F.I. Al-Jenoobi, and M.A. Alam, *Enhanced anti-inflammatory activity of carbopol loaded meloxicam nanoethosomes gel*. International journal of biological macromolecules, 2014. **67**: p. 99-104.
81. Korashy, H.M., A.M. Al-Mohizea, A. Ahad, M. Raish, and M.A. Alam, *Effects of Nigella sativa and Lipidium sativum on Cyclosporine Pharmacokinetics*. BioMed research international, 2013. **2013**(Article ID 953520).
82. AlSaid, M., I. Al-Mofleh, M. Raish, M. Al-Sobaihani, M. Al-Yahya, and S. Rafatullah, *Antiulcerogenic, anti-secretory and cytoprotective effects of Piper cubeba (L.) on experimental ulcer models in rat*. International Journal of Biotechnology for Wellness Industries, 2013. **2**(4): p. 173-181.
83. Al-Jenoobi, F., S. Al-Suwayeh, I. Muzaffar, M.A. Alam, K.M. Al-Kharfy, H.M. Korashy, A.M. Al-Mohizea, A. Ahad, and M. Raish, *Effects of Nigella sativa and Lepidium sativum on cyclosporine pharmacokinetics*. BioMed research international, 2013. **2013**.
84. Raish, M., M. Khurshid, M.A. Ansari, P.K. Chaturvedi, S.-M. Bae, J.H. Kim, E.K. Park, D.C. Park, and W.S. Ahn, *Analysis of molecular cytogenetic alterations in uterine leiomyosarcoma by array-based comparative genomic hybridization*. Journal of cancer research and clinical oncology, 2012. **138**(7): p. 1173-1186.

85. Verma, S., S. Ojha, and M. Raish, *Anti-inflammatory activity of Aconitum heterophyllum on cotton pellet-induced granuloma in rats*. Journal of medicinal plants research, 2010. **4**(15): p. 1566-1569.
86. Raish, M., S.Z.A. Husain, S.M. Bae, S.J. Han, C.H. Park, J.C. Shin, and W.S. Ahn, *Photodynamic therapy in combination with green tea polyphenol EGCG enhances antitumor efficacy in human papillomavirus 16 (E6/E7) immortalized tumor cells*. prevention, 2010. **19**: p. 24.
87. Saxena, A., V.S. Dhillon, M. Raish, M. Asim, S. Rehman, N. Shukla, S. Deo, A. Ara, and S.A. Husain, *Detection and relevance of germline genetic polymorphisms in glutathione S-transferases (GSTs) in breast cancer patients from northern Indian population*. Breast cancer research and treatment, 2009. **115**(3): p. 537-543.
88. Raish, M., V.S. Dhillon, A. Ahmad, M.A. Ansari, S. Mudassar, M. Shahid, V. Batra, P. Gupta, B.C. Das, and N. Shukla, *Promoter hypermethylation in tumor suppressing genes p16 and FHIT and their relations estrogen receptor status in breast cancer patients from Northern India*. Translational oncology, 2009. **2**(4): p. 264-270.
89. Siddiqui, A.A., S.R. Ahamad, M.S. Mir, S.A. Hussain, M. Raish, and R. Kaur, *Synthesis and in-vitro antifungal activity of 6-substituted-phenyl-2-[[4'-substituted phenyl-5'-thioxo)-1, 2, 4-triazol-3-yl]-methyl]-2, 3, 4, 5-tetrahydropyridazin-3-one derivatives*. Acta Poloniae Pharmaceutica—Drug Research, 2008. **65**(2): p. 223-228.
90. Shahid, M., V.S. Dhillon, Z. Hussain, J.F. Masa, M. Aslam, M. Raish, A. Ahmad, N.J. Khan, S. Prasad, and S. Batra, *Analysis of the SRY gene in two sex-reversed XY sisters identifies two new novel point mutations in the high mobility group box domain*. Fertility and Sterility, 2008. **90**(4): p. 1199.e1–1199.e8.
91. Gochhait, S., S.I.A. Bukhari, N. Bairwa, S. Vadhera, K. Darvishi, M. Raish, P. Gupta, S.A. Husain, and R.N. Bamezai, *Implication of BRCA2-26G> A 5'untranslated region polymorphism in susceptibility to sporadic breast cancer and its modulation by p53 codon 72 Arg> Pro polymorphism*. Breast Cancer Research, 2007. **9**(5): p. R71.
92. Ahamad, J., S. Amin, S. R. Mir, K. Nadkarni, T. Pullaiah, K. Naidu, J. Grover, S. Yadav, E. Basch, and S. Gabardi, *Mosquito larvicidal properties of Momordica charantia Linn (Family: Cucurbitaceae)*.

Research Journal of Phytochemistry, 2007. **11**(2): p. pp: 805-807-pp: 805-807.

93. Shahid, M., M. Aslam, V. Dhillion, M. Raish, N.J. Khan, R. Praveen, A. Ahmad, and S.A. Husain, *Four new novel mutations in SRY (sex determining region) and WT1 (Wilms tumor 1) genes in two sisters with sex reversal and gonadal tumor formation with 46, XY chromosomal constitution*. American Association for Cancer Research, 2006.
94. Raish, M., A. Ahmad, P. Gupta, and S.A. Husain, *Evaluation of methylation and expression of FHIT (fragile histidine triad) gene in Indian female breast cancer patients*. American Association for Cancer Research, 2006.
95. Hussain, Z., B.C. Das, S.A. Husain, S.K. Polipalli, T. Ahmed, N. Begum, S. Medhi, A. Verghese, M. Raish, and A. Theamboonlers, *Virological course of hepatitis A virus as determined by real time RT-PCR: Correlation with biochemical, immunological and genotypic profiles*. World journal of gastroenterology., 2006. **12**(29): p. 4683–4688.
96. Hussain, Z., S.S. Ali, S.A. Husain, M. Raish, D.R. Sharma, and P. Kar, *Evaluation of immunogenicity and reactogenicity of recombinant DNA hepatitis B vaccine produced in India*. World journal of gastroenterology, 2005. **11**(45): p. 7165.