



## RAK Medical & Health Sciences University, Ras Al Khaimah, UAE

### RAK College of Pharmaceutical Sciences

#### List of Publications

#### PUBLICATIONS 2020-21

#### Department of pharmaceutics:

1. Vijaya Paul Samuel, Laxminarayana Kurady Bairy, Kumar Bhat, Sareesh N. N., Suresh Kumar and **Hemant Yadav**, Wound Healing Potential Of *Azadirachta Indica*(Neem) Leaves, *ejpmr*, 2020,7(10), 29-35
2. Ismail Shehada M B, **Shahnaz Usman**, Akram M, and Usman A, Innovative Approaches to Enhance Dissolution Rate of a Hydrophobic Drug Glimepiride. *J Pharmaceu Pharmacol*, 2020, 8 (1): 1-1
3. **Omar Sarheed** , Douha Shouqair, **KVRNS Ramesh** , Muhammad Amin, Joshua Boateng & Markus Drechsler, Physicochemical characteristics and in vitro permeation of loratadine solid lipid nanoparticles for transdermal delivery, *Ther. Deliv*, 10.4155/tde-2020-0075
4. **Omar Sarheed**, Manar Dibi and **Kanteti V. R. N. S. Ramesh**, Studies on the Effect of Oil and Surfactant on the Formation of Alginate-Based O/W Lidocaine Nanocarriers Using Nanoemulsion Template, *Pharmaceutics* **2020**, 12, 1223; doi:10.3390/pharmaceutics12121223
5. **K. V. R. N. S. Ramesh**, **Hemant Kumar Singh Yadav**, **Omar Sarheed**, Tamer Salama Elmarsafawy, Quamrul Islam Characterization of Sulfobutyl Ether Beta-cyclodextrin Binary and Ternary Inclusion Complexes of Loratadine, *Asian Journal of Pharmaceutics* ; Oct-Dec 2020 ; 14 (4) | 634
6. **Shahnaz Usman\***, Ahmed Saeed, Sakina Fatima, **Venkat Ramesh**, **Fasiha Shah**, and Quamrul Islam (2020). In Vitro Bioequivalence of Pregabalin Capsules (150 mg): An Alternative to In Vivo Bioequivalence Studies. *Dissolution Technology*; 27(4): 22-29
7. **Omar Sarheed**, Manar Dibi, **Kanteti V. R. N. S. Ramesh** and Markus Drechsler Fabrication of Alginate-Based O/W Nanoemulsions for Transdermal Drug Delivery of Lidocaine: Influence of the Oil Phase and Surfactant, *Molecules* **2021**, 26(9), 2556
8. Afrasim Moin, Syed Mohd Danish Rizvi , Talib Hussain , D. V. Gowda , Gehad M. Subaiea , Mustafa M. A. Elsayed, Mukhtar Ansari , Abulrahman Sattam Alanazi and **Hemant Yadav**, Current Status of Brain Tumor in the Kingdom of Saudi Arabia and Application of Nanobiotechnology for Its Treatment: A Comprehensive Review, *Life* **2021**, 11, 421. <https://doi.org/10.3390/life11050421>
9. **Hemant K S Yadav**, **Shahnaz Usman**, **KVRNS Ramesh**, Quamrul Islam, Formulation and Evaluation of Pellets of natural Okra gum prepared by Extrusion and Spheronization, *Research Journal of Pharmacy and Technology*, 14(6): June 2021

10. **Hemant KS Yadav\***, **Shahnaz Usman**, **KVRNS Ramesh** and Quamrul Islam, Formulation and Evaluation of Bioadhesive Vaginal Tablet of Tamarind Gum Containing Acyclovir, *Annals of Medical and Health Sciences Research*, Volume 11, Issue S2, June, 2021

### **Book Chapters:**

1. **Omar Sarheed** and Manar Samir Debe, Honey Products and Their Potential in Wound Healing, Therapeutic Applications of Honey and its Phytochemicals, Chapter-18, Volume-2 Springer Nature Singapore Pte Ltd. 2020. pp 379-408
2. **Hemant K S Yadav**, **Shahnaz Usman**, Karyman Ahmed, Rayisa Beevi, Synthesis of nanomaterials for drug delivery, *Functionalized nanomaterials II; Applications*, Chapter-2, Page No:23, CRC Press, Taylor & Francis Group, 2021.
3. **Hemant K S Yadav**, Afrasim Moin, Roua Abdulazem, Raghad Issa, Emerging technologies for nanoparticle manufacturing form Springer, *Techniques for accurate sizing of nanoparticles*, Chapter 20, 2021, Pg no 449-459.

### **Department of Pharmaceutical Chemistry:**

1. **Adil Farooq Wali**, Yusra Al Dhaheri, **Jayachithra Ramakrishna Pillai**, Ahlam Mushtaq, **Padma G. M. Rao**, **Syed Arman Rabbani**, Aimen Firdous, Mohamed Soliman Elshikh and Dunia A. Al Farraj, LC-MS Phytochemical Screening, In Vitro Antioxidant, Antimicrobial and Anticancer Activity of Microalgae *Nannochloropsis oculata* Extract, *Separations* 2020, 7, 54; doi:10.3390/separations7040054.
2. Bharathi Avula, Satyanarayananaraju Sagi, Mubashir H Masoodi, Ji-Yeong Bae, **Adil F Wali**, Ikhlas A Khan, Quantification and Characterization of Phenolic Compounds from Northern Indian Propolis Extracts and Dietary Supplements, *Journal of AOAC INTERNATIONAL*, September 2020, 103(5) Pages 1378–1393, <https://doi.org/10.1093/jaoacint/qsaa032>
3. **Adil Farooq Wali**, Muneeb U Rehman, Mohammad Raish, Mohsin Kazi, **Padma G. M. Rao**, Osamah Alnemer, Parvaiz Ahmad and Ajaz Ahmad, Zingerone [4-(3-Methoxy-4-hydroxyphenyl)-butan-2] Attenuates Lipopolysaccharide-Induced Inflammation and Protects Rats from Sepsis Associated Multi Organ Damage, *Molecules* 2020, 25, 5127; doi:10.3390/molecules25215127.
4. **Jayachithra Ramakrishna Pillai**, **Adil Farooq Wali**, Amad Mohammed Al-Azzawi, Rukhsana Akhter, Hamed A. El-Serehy, Imra Akbar, Phytochemical analysis and antimicrobial activity of *Encostemma littorale*, *Journal of King Saud University – Science* 32 (2020) 3279–3285.
5. Azher Arafah, Muneeb U. Rehman, Tahir Maqbool Mir, **Adil Farooq Wali**, Rayeesa Ali, Wajhul Qamar, Rehan Khan, Ajaz Ahmad, Syed Sameer Aga, Saeed Alqahtani and Nada M. Almatroudi, Multi-Therapeutic Potential of Naringenin (4-O,5,7-Trihydroxyflavone): Experimental Evidence and Mechanisms, *Plants* 2020, 9, 1784; doi:10.3390/plants9121784.
6. Ajaz Ahmad, **Adil Farooq Wali**, Muneeb U. Rehman, Andleeb Khan, Mohammad Raish, Mohsin Kazi, Osamah Alnemer and **Padma G. M. Rao**, Therapeutic Potential of *Rhododendron Arboreum*

Polysaccharides in an Animal Model of Lipopolysaccharide-Inflicted Oxidative Stress and Systemic Inflammation, *Molecules* 2020, 25, 6045; doi:10.3390/molecules25246045.

7. Summya Rashid, **Adil Farooq Wali**, Shahzada Mudasar Rashid, Rana M. Alsaffar, Ajaz Ahmad, Basit L. Jan, Bilal Ahmad Paray, Saeed M. A. Alqahtani, Azher Arafah and Muneeb U. Rehman, Zingerone Targets Status Epilepticus by Blocking Hippocampal Neurodegeneration via Regulation of Redox Imbalance, Inflammation and Apoptosis, *Pharmaceuticals* 2021, 14, 146. <https://doi.org/10.3390/ph14020146>
8. Firdaus Kausar, Muzafar Ahmad Rather, Showkeen Muzamil Bashir, Rana M. Alsaffar, Showkat ul Nabi, Sofi Imtiyaz Ali, Pankaj Goswami, Ansar Ahmad, Summya Rashid & **Adil Farooq Wali**, Ameliorative effects of *Cuscuta reflexa* and *Peucedanum grande* on letrozole induced polycystic ovary syndrome in Wistar rats, *REDOX REPORT*, 2021, VOL. 26, NO. 1, 94–104
9. Al Yaziyah. M. S. Alnaqbi, **Bhoomendra. A. Bhongade** And A. Azzawi, New Validated Diffuse Reflectance Infrared Fourier Transform Spectroscopic Method for the Quantification of Levofloxacin in Pharmaceutical Dosage Form, *Indian Journal of Pharmaceutical Sciences*, 2021;83(3):430-436.
10. **Sirajunisa Talath** and Syeda Humaira, Validated Stability Indicating RP HPLC Method for the Determination of Norfloxacin in Pharmaceutical Dosage Form, *Journal of Biomedical and Pharmaceutical Research*, Volume 10, Issue 4: July-August: 2021, 15-27
11. **Sirajunisa Talath**, Syeda Humaira, Sunil Dhaneshwar, Development and Validation of Reverse Phase HPLC Method for The Quantitative Estimation of Drospirenone in Tablet Dosage Form, *Ijppr.Human*, 2021; Vol. 22 (1): 310-324.

### Book Chapters:

1. Andleeb Khan, Saeed Alshahrani, Azher Arafah, Wajihul Qamar, Ambreen Shoaib, **Adil Farooq Wali**, Insha Amin, Saad Saeed Alqahtani, and Muneeb U. Rehman, Possible Therapeutic Potential of Flavonoids and Phenolic Acids from Honey in Age-Related Neurodegenerative Diseases Via Targeting NAD<sup>+</sup> Degradation, *Therapeutic Applications of\_Honey and its Phytochemicals Vol.2 Chapter-2*, Springer Nature Singapore Pte Ltd. 2020
2. Summya Rashid, Andleeb Khan, Aimen Firdous, Yusra Al Dhaheri, **Adil Farooq Wali**, and Rehan Khan, Honey and Its Molecular Pharmacology: An Essay, *Therapeutic Applications of\_Honey and its Phytochemicals Vol.2, Chapter-10*, Springer Nature Singapore Pte Ltd. 2020
3. **Adil Farooq Wali**, Salma Jabnoun, Maryam Razmpoor, Imra Akbar, Yusra Al Dhaheri, Andleeb Khan, Saeed Alshahrani, Hassan A. Alhazmi, and Zuha Imtiyaz, Chrysin, an Important Active Ingredient of Honey: Beneficial Pharmacological Activities and Molecular Mechanism of Action, *Therapeutic Applications of\_Honey and its Phytochemicals Vol.2, Chapter-19*, Springer Nature Singapore Pte Ltd. 2020
4. Saima Mushtaq, Zuha Imtiyaz, **Adil Farooq Wali**, Andleeb Khan, Shahzada Mudasar Rashid, Insha Amin, Aarif Ali, Muneeb U. Rehman, and Azher Arafah, Honey: A Powerful Natural Antioxidant and

Its Possible Mechanism of Action, Therapeutic Applications of\_Honey and its Phytochemicals Vol.1 Chapter-2,published by Springer Nature Singapore Pte Ltd. 2020;11-30

5. **Adil Farooq Wali, Jayachithra Ramakrishna Pillai**, Maryam Razmpoor, Salma Jabnoun, Imra Akbar, Saiema Rasool, Azher Arafah, Andleeb Khan, Rukhsana Akhter, and Sabhiya Majid Honey and Its Phyto-Constituents: From Chemistry to Medicine, Therapeutic Applications of\_Honey and its Phytochemicals, Vol.1 Chapter-3,published by Springer Nature Singapore Pte Ltd. 2020; 31-52
6. Afraz Subratti, Nigel K. Jalsa, **Bhoomendra Bhongade**. Chapter 25, Synthesis of 2,2,2-Trifluoroethyl Glucopyranoside and Mannopyranoside via Classical Fischer Glycosylation. In Kosma P, Wrodnigg TM, Stutz A editors, Carbohydrate Chemistry: Proven Synthetic Methods. Vol 5, Issue 1, CRC Press, Taylor & Francis; 2021, p. 199-206.

### **Patents:**

Indian Patent Application: (3034/mum/2015A)

Title of Invention: Chiral imidazo(2,1,b)(1,3,4)thiadiazole compounds and process for synthesizing the same.

Name of inventors: **Bhoomendra A. Bhongade & Sirajunisa Talath**

Patent Number: 373257

Date of Grant: July 29, 2021

### **Department of Clinical Pharmacy and Pharmacology:**

1. Asiya Mahtab, **Syed Arman Rabbani**, Yub Raj Neupane, Shweta Pandey, Adil Ahmad Mohd Ahmed Khan, Neha Gupta, Alka Madaan, ManuJaggi, Nidhi Sandal, Harish Rawat, Mohd Aqil, Sushama Talegaonkar, Facile functionalization of Teriflunomide-loaded nanoliposomes with Chondroitin sulphate for the treatment of Rheumatoid arthritis, Carbohydrate Polymers Volume 250 (15) 2020, 116926
2. **Syed Arman Rabbani, Sathvik Belagodu Sridhar, Padma GM Rao**, Nadeem Javed, Martin Thomas Kurian, Asiya Mahtab, Shrestha Sharma, Prevalence and associations of moderately increased albuminuria in patients with type 2 diabetes in United Arab Emirates, Diabetes & Metabolic Syndrome: Clinical Research & Reviews, 14(6) 2020, Pages 1865-1870
3. **Javedh Shareef, Sathvik. B. Sridhar**, Atiqulla Shariff, proton pump inhibitors and the risk of chronic kidney diseases: a critical review, International Journal of Current Pharmaceutical Research, 2020; 12(5): 11-14.
4. Aftab Alam, **Tarun Wadhwa**, Elwaleed Hassan, Acute Coronary Syndrome – Exploring the Evidences Clinical Pharmacist Driven Cardiac Review, Indian Journal of Pharmacy Practice, Vol 13, Issue 4, Oct-Dec, 2020.
5. **Javedh Shareef, Padma Gm Rao**, Itaf Mohamad Ayman, Trends and practices in prescribing anti-psychotropic medications in hospitalized patients with psychiatric disorders in a secondary care

hospital in Ras Al Khaimah, International Journal of Basic & Clinical Pharmacology, 2020; 9(12): 1784-1791.

6. Jain YS , Sharma S , Garg A , Jhamb DK , Omar Nada , Praful Jain , **Syed Arman Rabbani**, Analyzing Prescribing Pattern of Evidence-Based Medications for Coronary Artery Disease Management in a North Indian Tertiary Care Center, Indo Global Journal of Pharmaceutical Sciences, 2020; 10(4): 19-26.
7. Shrestha Sharma, **Syed Arman Rabbani**, Tanya Agarwal, Sanjula Baboota, Faheem Hyder Pottoo and Renu Kadian, Nanotechnology Driven Approaches for the Management of Parkinson's Disease: Current Status and Future Perspectives, Current Drug Metabolism, 2020, 21, 1-0.
8. **Javedh Shareef, Sathvik Belagodu Sridhar**, Atiqulla Shariff, Mais Mosad, Mahnoush Ahmad Shabani. Study on Knowledge and Attitude Related to Inherited Genetic Disorders. Int. J. Res. Pharm. Sci., 2021, 12(2), 1-7.
9. Aburamadan HA, **Sathvik Sridhar** , Tadross TM. Assessment of potential drug interactions among psychiatric inpatients receiving antipsychotic therapy of a secondary care hospital, United Arab Emirates. J Adv Pharm Technol Res 2021;12:45-51
10. Hessa Saleh Alshehhi, **Areeg Anwer Ali**, Duaa Salem Jawhar, Essam Mahran Aly, Srinivas Swamy, Manal Abdel Fattah, Khawla Abdullah Drweesh , Azzan Alsaadi, Assessment of implementation of antibiotic stewardship program in surgical prophylaxis at a secondary care hospital in Ras Al Khaimah, United Arab Emirates, Scientific Reports; (2021) 11:1042
11. Tasneem M Shouqair, **Syed Arman Rabbani**, Martin Thomas Kurian, Patterns of drug use and polypharmacy burden in chronic kidney disease patients: An experience from a secondary care hospital in United Arab Emirates. Int. Journal of Clinical Pharmacology and Therapeutics 2021;April. 10.5414/CP203951
12. **Syed Arman Rabbani**, Shrestha Sharma, Supriya Mishra and Asiya Mahtab Coronavirus Disease 2019 (COVID-19): Review on Transmission, Clinical Presentations, Treatments and Vaccines. Journal of Pharmaceutical Research International. 2021;33:92-114
13. Sukaina Salim D, **Syed Arman Rabbani, Padma GM Rao**, Ain-ur Rahid B, Proton pump inhibitor use and appropriateness analysis: a snapshot from a secondary care hospital. Journal of Pharmaceutical Health Services Research 2021;XX:1-7
14. **Sathvik B. Sridhar** and **Syed Arman Rabbani**, Pharmaceutical care services provided by pharmacists during COVID-19 pandemic: perspectives from around the World, Journal of Pharmaceutical Health Services Research, 2021, Vol XX, 1–6
15. Charu Bharti, Shrestha Sharma, Shobhit Kumar and **Syed Arman Rabbani**, Development of Nitazoxanide Loaded Polymeric Nanocarriers: Box Behnken Experimental Design Based Optimisation and Characterization, Journal of Pharmaceutical Research International 32(37): 34-53, 2020; Article no.JPRI.64027

16. S. Sharma , C. Bharti, N. Goswami , H. Sharma , **Syed Arman Rabbani** and S. Kumar, Role of nitazoxanide as a repurposed drug in the treatment and management of various diseases, *Drugs of Today* 2021, 57(6): 1-19
17. **Syed Arman Rabbani , Tarun Wadhwa, Sathvik B Sridhar, Javedh Shareef, Areeg Anwer Ali, Padma GM Rao**, Experiential training during COVID-19 pandemic: a virtual attachment experience from a college of pharmaceutical sciences in the United Arab Emirates, *Pharmacy Education* (2021) 21(1) 51 – 55
18. Atiqulla Shariff , **Sathvik Belagodu Sridhar** , Neelu Farhath Abdullah Basha , Shamma Sulaiman Hasan Bin Taleth Alshemeil , Noora Adel Ahmed Aljallaf Alzaab. Assessing Consistency of Drug-Drug Interaction-Related Information Across Various Drug Information Resources. *Cureus*. 2021 Mar 8;13(3):e13766. doi: 10.7759/cureus.13766. PMID: 33842142; PMCID: PMC8025801
19. Martin Thomas Kurian, **Syed Arman Rabbani**, Ajith Cherian Thomas, Nadeem Javed, Coronavirus disease 2019 (COVID-19) in a kidney transplant recipient; case report, *Journal of Nephropathology*, 2021;10(x):exx, DOI: 10.34172/jnp.2021.xx
20. **Javedh Shareef, Padma GM Rao, Sathvik Belagodu Sridhar**, Shariff A and Al-Bonni IMA, A Systematic Review on the Impact of Clinical Pharmacist Interventions in Patients with Mental Health Disorders, *Clinical Schizophrenia & Related Psychoses*, Volume 14:3, 2020 DOI: 10.3371/CSRP.JSGR. 112420