

## FACULTY PUBLICATIONS (2023)

### Prof(Mrs).M.Sumakanth

- Sri, K.B., Begum, G.S.V.S.S. and Sumakanth, M., 2022. A simple and rapid RP-HPLC method for the quantitative determination of Enoxaparin Sodium in bulk and injectables. Asian Journal of Pharmacy and Pharmacology, 8(3), pp.46-49.
- Padmaja V, M. Sumakanth, P.Shashikala (2022) Synthesis, Characterization, Molecular Docking and Biological studies on Novel Pyrazole fused Indole Derivatives. Journal of Pharmaceutical Negative Results, 13(5):745-754
- V.Padmaja, M. Sumakanth, P.Shashikala (2023) Synthesis, Characterization and Molecular Docking Studies of Novel Mannich Bases of Indole Analogs as Potent Antibacterial and Anticancer Agents. Asian Journal of Chemistry; Vol. 35, No. 1 (2023), 217-223
- Padmaja V, M. Sumakanth, P.Shashikala(2023) Synthesis, Characterization, Molecular docking studies of 5substituted-3-(2-methoxy dibenzo[b,d]furan-3-ylimino)-1substituted-indolin-2-ones as potent antimicrobial and anticancer agents. Eur. Chem. Bull. 2023, 12(4), 217-234
- Novel Therapies For The Treatment of Breast Cancer, Prof. Mogili.Sumakanth Shahista Begum, Mameena Sahoo, Dr. M. Vijaya Bhargavi, April 2023, Journal of Emerging Technologies and Innovative Research (JETIR), Volume10, Issue 4, 244-255.
- Thiazolidinedione And Non Thiazolidinedione As PPAR Gamma Agonists, Prof. M. Sumakanth, Mameena sahoos , Shahista Begum , Dr. M. Vijaya Bhargavi, April 2023, International Journal of Research and Analytical Reviews (IJRAR), Volume 10, Issue 2, 483-492.
- Role of Fat Metabolism in Gastric Cancer, A.Shafia Sultana B, Dr. M. Vijaya Bhargavi, C. Prof. M. Sumakanth October 2022, IJIRT, Volume 9 Issue 5, 605-610.

- Structure-Based Virtual Screening, Design, Synthesis And Biological Evaluation of Indole Derivatives as Respiratory Syncytial Virus Fusion (RSV-F) Inhibitors, Dr. M.vijaya bhargavi and Dr. M. Sumakanth Polamoni Manisha, Nagaram Pranaya, December 2022, Volume 11, Issue 17, 809-824.
- Structure-Based Virtual Screening, Design, Synthesis And Biological Evaluation Of Coumarin-Benzothiazole Hybrid Derivatives as Inha (Enoyl Acyl Carrier Protein Reductase) Inhibitors in The Treatment Of Tuberculosis. Polamoni Manisha, Thota Shirsha, Dr. M.Vijaya Bhargavi, Dr. M Sumakanth, International Journal for Research Trends and Innovation, 2022, IJRTI | Volume 7, Issue 9 | 2456-331
- K.Bhavya Sri, Samreen Begum, B.Aishwarya, Dr.Mogili Sumakanth (2023). Method development and validation of Velpatasvir and Sofosbuvir by RP-HPLC. International journal of pharmaceutical sciences review and research. 78(2).
- K. Bhavya Sri\*, B.Aishwarya, Anushree Hari and M Sumakanth(2023), A New Approach For Analytical Method Development And Validation For Quantification Of Tolvaptan Using RP-HPLC In Bulk And In Its Tablet, Journal Of Pharmaceutical Research And Reports, 4(2):1-5
- K.Bhavya Sri, Md.Saba Fatima, Shaheen Banu, M.Sumakanth(2023), Fluorimetric Determination Of Antiviral (Covid 19) Drug Favipiravir In Bulk And Pharmaceutical Dosage Forms . Journal of Drug Delivery and Therapeutics, 13(3):110-112.
- K.Bhavya Sri, Chaitanya Karne, Sumakanth Mogili (2023).A Review: Analytical Techniques for Herbal Nano Medicine. International Journal of Innovative Science Engineering and Technology.10 (03), 171-178.
- K.Bhavya Sri, Samreen Begum, D.Suchitra, V.Narmada, M.Sumakanth (2023), Bio analytical Method Development And Validation Of Metformin HCL And Repaglinide In Bulk And Combined Dosage Form In Human Plasma By UV Spectroscopy. Biological Form-International Journal 15(3):640-644.
- K.Bhavya Sri, B.Anila, M.Sumakanth (2023), Inductively Coupled Plasma-Optical Emission Spectroscopy Applied To Pharmaceutical Applications -A Review. International Journal of Pharmaceutical Sciences Review and Research 79(2):206-211.
- K.Bhavya Sri, Md.Sabafathima, M.Nandhini, M.Sumakanth (2023), UV-Visible Spectrophotometry and Titrimetric Method for Determinin Reducing Sugars in Different Brands of Honey and Soft Drinks. Magna Scientia Advanced Research and Reviewers 07(02): 062--067

- K.Bhavya Sri, Srija Ghanukota, M.Sumakanth(2023), Novel Titrimetric Method For The Determination Of Rosuvastatin In Pure Form. World Journal of Biology Pharmacy and Health Sciences 13(02): 001-004.
- K.Bhavya Sri, B.Hema, M.Sumakanth(2023). Novel UV Spectroscopic Method for Quantification of Caffeine in Marketed Energy Drinks. International Journal of Current Pharmaceutical Research 15(2):47-50
- K.Bhavya Sri, Maimuna Begum, Narmada, M.Sumakanth (2023). Development and validation of a RP-HPLC Method for the determination of venlafaxine hydrochloride in bulk and pharmaceutical dosage form. Research journal of pharmacy and technology 16(2):1-5.
- K.Bhavya Sri, G.Srija, M. Sumakanth (2023). Quantification of vitamin C by a titrimetric method in different marketed fruit juices. World journal of pharmaceutical research, 12(4):1125-1130.
- K.Bhavya Sri, B.Anila, B.Hema, Dr. M. Sumakanth (2023). A simple spectrophotometric method for quantification of casein in milk and milk products. International journal of advanced research 11(1): 1741-1745.
- K.Bhavya Sri, M.Nandini, Mogili Sumakanth (2023). A simple non-aqueous titrimetric method for estimation of carvedilol in bulk form. International journal of scientific research and engineering development, 6(1):443-447.
- Benazir, S.B., Archana, J. and Sumakanth, M., 2021. Method development and validation of empagliflozin in bulk and pharmaceutical dosage form using UV spectroscopy. Asian Journal of Pharmaceutical Analysis, 11(2), pp.123-126.

## Dr(Mrs).J.Archana

- Mudigiri, Ravali, and Archana Jorige. "EXTRACTION, IDENTIFICATION AND ESTIMATION OF CAFFEINE IN GREEN AND BLACK TEA SAMPLES BY A SIMPLE UV-VISIBLE SPECTROSCOPIC METHOD." (2023).
- N. Preethi Sree and Archana Jorige. A review on animal models of depression and their validity. International Journal of Creative Research Thoughts.2023;11
- Manda Pravalika and Jorige Archana. Simultaneous Estimation of Sodium Benzoate and Caffeine in Soft Drinks by UV Spectroscopy, Research J. Pharm. and Tech. 2023; 16(5):2436-2440.
- Anusha Velpula and Archana Jorige. Ijppr.Human, 2023; Vol. 26(2) :194-201. Singh Shivani and Archana Jorige. Ijppr.Human, 2023; Vol. 26 (2): 365-376.

- Taha Yasmeen and Archana Jorige. *Ijppr.Human*, 2023; Vol. 26 (2): 377-383.
- Archana J, Lasya JSS, Sudharani GTK. Evaluation of Public Perception Towards Safety, Efficacy and Awareness of Generic Drugs. *Int J Pharm Phytopharmacol Res.* 2022;12(6):19-24.
- Sreejani Chavidi and Archana Jorige. A review on animal models of depression and their validity. *International Journal of Creative Research Thoughts.*2023;11(1)

## Dr(Mrs).A.Krishna Sailaja

- A.Krishna sailaja and A. Alekhya. Formulation and evaluation of letrozole nanosuspension by box- bingham method. *Current nanomaterials*,8(3) 2023 DOI:10.2174/2405461507666220831093135 Pp: 266-279
- A.Krishna sailaja and T.Meghana. Formulation and evaluation of invasomal and Ethosomal gel for curcumin and determination of anti- fungal activity. *Current nano materials* 19 th April 2023 A.Krishna sailaja and Seppuri VijayaLakshmi.
- Quality by design-driven formulation development and optimization of lercanidipine hydrochloride loaded microspheres: in vitro and in vivo characterization. *Eur. Chem. Bull.* 2023,12(Special issue 8), 6439-6463
- Keerthi Raynee and Krishna sailaja. Formulation and Evaluation of Ethosomal Formulation of *Tinospora Cordifolia*. *World Journal of pharmacology and toxicology.*2023;6:177
- Krishna Sailaja, Jyoti S. Rajput, (2023), Formulation and Evaluation of Aspirin Nanosuspension Using Probe Sonication Method, *International Journal of Clinical Case Reports and Reviews*, 14(1); DOI:10.31579/2690-4861/314
- Rajput JS, Sailaja AK. Formulation and evaluation of curcumin loaded ethosomes as novel drug delivery system. *Drug Discovery* 2023; 17: e16dd1917
- John CR, Sailaja AK. A curcumin loaded niosomes as novel drug delivery system by ether injection method. *Drug Discovery* 2023; 17: e19dd1918
- A.Krishna Sailaja and Sepuri Syeda Hafsa Fatima. (2023) Comparative Safety and Efficacy of Different Classes of Antibiotics for Treating Common Bacterial Infections: A Systematic Review and Meta Analysis, *J. Biomedical Research and Clinical Reviews.* 8(3); DOI:10.31579/2692- 9405/158

- A.Krishna sailaja and Seppuri Vijaya Lakshmi.Design and characterization of gastroretentive microspheres of Irbesartan.International journal of Zoological investigations. 2023Vol.9(2)
- A.Krishna Sailaja and Sepuri V. Lakshmi. (2023), Niosomes: A Novel Carrier for Drug Delivery, J. Biomedical Research and Clinical Reviews, 8(3); DOI:10.31579/2692-9406/157
- Sneha K and Abbaraju K. Sailaja, (2023). Nanoparticle Drug Delivery System and their Applications, J. Pharmaceutics and Pharmacology Research, 6(2); DOI:10.31579/2693-7247/121
- Sailaja K., Sumakanth, Amreen A., Begum A., Juweriya A., (2023), Ayurvedic Remedies of Giloy (*Tinospora Cordifolia*) for Sars-Covid19, J. Addiction Research and Adolescent Behaviour, 6(1) DOI:10.31579/2688-7517/065

### Dr(Mrs).G.Uma Rani

- Formulation and Evaluation of Floating Drug Delivery Ststems of Repaglinide, Asian Journal Of Phamaceutical Clinical Resources, Vol 16, Issue 6, 2023, Page 84-87
- Natural Gums Used in Preparation of floating drug delivery systems, International Journal of Pharmatech and Research , Vol 15,2022

### Dr(Mrs).Ch.Vijaya Bhargavi

- Novel Therapies For The Treatment of Breast Cancer, Prof. Mogili.Sumakanth Shahista Begum, Mameena Sahoo, Dr. M. Vijaya Bhargavi, April 2023, Journal of Emerging Technologies and Innovative Research (JETIR), Volume10, Issue 4, 244-255.
- Thiazolidinedione And Non Thiazolidinedione As PPAR Gamma Agonists, Prof. M. Sumakanth, Mameena sahoo , Shahista Begum , Dr. M. Vijaya Bhargavi, April 2023, International Journal of Research and Analytical Reviews (IJRAR), Volume 10, Issue 2, 483-492.
- Anti Cancer Activity of Naturally Occurring Heterocyclic Compounds, Dr. M. Vijaya Bhargavi Shafia Sultana , Pilli Archana, April 2023, International Journal of Science and Research, Volume 12, Issue 4, 195-200.
- Role of Fat Metabolism in Gastric Cancer, A.Shafia Sultana B, Dr. M. Vijaya Bhargavi, C. Prof. M. Sumakanth October 2022, IJIRT, Volume 9 Issue 5, 605-610.

- Structure-Based Virtual Screening, Design, Synthesis And Biological Evaluation of Indole Derivatives as Respiratory Syncytial Virus Fusion (RSV-F) Inhibitors, Dr. M.vijaya bhargavi and Dr. M. Sumakanth Polamoni Manisha, Nagaram Pranaya, December 2022, Volume 11, Issue 17, 809-824.
- Structure-Based Virtual Screening, Design, Synthesis And Biological Evaluation Of Coumarin- Benzothiazole Hybrid Derivatives as Inha (Enoyl Acyl Carrier Protein Reductase) Inhibitors in The Treatment Of Tuberculosis. Polamoni Manisha, Thota Shirsha, Dr. M.Vijaya Bhargavi, Dr. M Sumakanth, International Journal for Research Trends and Innovation, 2022, IJRTI | Volume 7, Issue 9 | 2456-331.

### Dr(Mrs).M.P.Kusuma

- Formulation Development And Evaluation Of Dapagliflozin And Metformin Bilayered Tablet. Kusuma Mp1,\*, Lahari2 and Sumakanth M3. IJBPAS, November, 2022, 11(11): 5495-5505 Scopus
- Formulation and Development of  $\beta$ -glucan Hydrogel using Design of Experiments (DOE) M.P. Kusuma\*, Manisha N. S. Mogili, IJDDT, Volume 12 Issue 3, July - September 2022 Scopus

### Dr(Mrs).K.V.Ratnamala

- Formulation And Evaluation of Tramadol Hydrochloride Loaded Transferosomal and niosomal Gels, Dr. K. V. Ratnamala, Ameena Fatima, IJCSPUB, 13(1), 277-283, February 2023.
- Formulation And Evaluation of Tramadol Hydrochloride Loaded Transferosomal Gel by Thin Film Hydration Technique, International journal of advanced research, Dr. K. V. Ratnamala, Ameena Fatima 10(12), 615 -621, December 2022
- FORMULATION AND EVALUATION OF SINTERED GASTRORETENTIVE TABLETS OF VILDAGLIPTIN
- USING DESIGN OF EXPERIMENT Dr. K. V. Ratnamala, Ayesha Juveria, Asian J Pharm Clin Res, Vol 16, Issue 6, February 2023, 1-7
- FORMULATION AND EVALUATION OF TRAMADOL HYDROCHLORIDE-LOADED NIOSOMAL GEL
- BY ETHER INJECTION METHOD Dr. K. V. Ratnamala, Ameena Fatima, Asian J Pharm Clin Res, Vol 16, Issue 5, February 2023, 170-173

- CUBOSOMES: PROMISING PLATFORMS FOR DRUG DELIVERY AND BEYOND, Dr. K. V.
- Ratnamala, Meghna Borra, World Journal of Pharmacy and Pharmaceutical Sciences, Vol 12, Issue 8, 169-179, July 2023

## Dr(Mrs).K.Bhavyasri

- K.Bhavya Sri, Samreen Begum, B.Aishwarya, Dr.Mogili Sumakanth (2023). Method development and validation of Velpatasvir and Sofosbuvir by RP-HPLC. International journal of pharmaceutical sciences review and research. 78(2).
- K. Bhavya Sri\*, B.Aishwarya, Anushree Hari and M Sumakanth(2023), A New Approach For Analytical Method Development And Validation For Quantification Of Tolvaptan Using RP-HPLC In Bulk And In Its Tablet, Journal Of Pharmaceutical Research And Reports, 4(2):1-5
- K.Bhavya Sri, Md.Saba Fatima, Shaheen Banu, M.Sumakanth(2023), Fluorimetric Determination Of Antiviral (Covid 19) Drug Favipiravir In Bulk And Pharmaceutical Dosage Forms . Journal of Drug Delivery and Therapeutics, 13(3):110-112.
- K.Bhavya Sri, Chaitanya Karne, Sumakanth Mogili (2023).A Review: Analytical Techniques for Herbal Nano Medicine. International Journal of Innovative Science Engineering and Technology.10 (03), 171-178.
- K.Bhavya Sri, Samreen Begum, D.Suchitra, V.Narmada, M.Sumakanth (2023), Bio analytical Method Development And Validation Of Metformin HCL And Repaglinide In Bulk And Combined Dosage Form In Human Plasma By UV Spectroscopy. Biological Form-International Journal 15(3):640-644.
- K.Bhavya Sri, B.Anila, M.Sumakanth (2023), Inductively Coupled Plasma- Optical Emission Spectroscopy Applied To Pharmaceutical Applications -A Review. International Journal of Pharmaceutical Sciences Review and Research 79(2):206-211.
- K.Bhavya Sri, Md.Sabafathima, M.Nandhini, M.Sumakanth (2023), UV-Visible Spectrophotometry and Titrimetric Method for Determinin Reducing Sugars in Different Brands of Honey and Soft Drinks. Magna Scientia Advanced Research and Reviewers 07(02): 062-067.
- K.Bhavya Sri, Srija Ghanukota, M.Sumakanth(2023), Novel Titrimetric Method For The Determination Of Rosuvastatin In Pure Form. World Journal of Biology Pharmacy and Health Sciences 13(02): 001-004.
- K.Bhavya Sri, B.Hema, M.Sumakanth(2023). Novel UV Spectroscopic Method for Quantification of Caffeine in Marketed Energy Drinks. International Journal of Current Pharmaceutical Research 15(2):47-50.

- K.Bhavya Sri, Maimuna Begum, Narmada, M.Sumakanth (2023). Development and validation of a RP-HPLC Method for the determination of venlafaxine hydrochloride in bulk and pharmaceutical dosage form. Research journal of pharmacy and technology 16(2):1-5.
- K.Bhavya Sri, G.Srija, M. Sumakanth (2023). Quantification of vitamin C by a titrimetric method in different marketed fruit juices. World journal of pharmaceutical research, 12(4):1125-1130. K.Bhavya Sri, B.Anila, B.Hema, Dr. M. Sumakanth (2023). A simple spectrophotometric method for quantification of casein in milk and milk products. International journal of advanced research 11(1): 1741-1745.
- K.Bhavya Sri, M.Nandini, Mogili Sumakanth (2023). A simple non-aqueous titrimetric method for estimation of carvedilol in bulk form. International journal of scientific research and engineering development, 6(1):443-447.

### Mrs.G.R.Prasanna Laxmi

- Enhancing the solubility of dipyridamole by liquisolid compacts based on a factorial design approach, Journal of pharmaceutical negative results, vol 13, issue 6, 2022
- In vivo study of dipyridamole liquisolid compacts, Journal of population therapeutics & clinical pharmacology, vol 30 (13), 2023

### Mrs.P.Archana

- REVIEW OF ANTICANCER ACTIVITY OF DIHYDROPYRIMIDINONES ,PILLI ARCHANA, TARANUM FATHIMA, Pharmaceutical Chemistry. International Journal of Creative Research Thoughts. Volume 11, Issue 7 July 2023 | ISSN: 2320-2882 Anti-Cancer Activity of Naturally Occurring Heterocyclic Compound ., Shafia Sultana,Pilli Archana, Dr. M. Vijaya Bhargavi. International Journal of Science and Research (IJSR) ISSN: 2319-7064, SJIF (2022): 7.942.

### Mrs.V.Padmaja

- Padmaja V, M. Sumakanth, P.Shashikala (2022) Synthesis, Characterization, Molecular Docking and Biological studies on Novel Pyrazole fused Indole Derivatives. Journal of Pharmaceutical Negative Results, 13(5):745-754
- V.Padmaja, M. Sumakanth, P.Shashikala (2023) Synthesis, Characterization and Molecular Docking Studies of Novel Mannich Bases of Indole Analogs as Potent Antibacterial and Anticancer Agents. Asian Journal of Chemistry; Vol. 35, No. 1 (2023), 217-223



- Padmaja V, M. Sumakanth, P.Shashikala(2023) Synthesis, Characterization, Molecular docking studies of 5substituted-3-(2-methoxy dibenzo[b,d]furan-3-ylimino)-1substituted-indolin-2-ones as potent antimicrobial and anticancer agents. Eur. Chem. Bull. 2023,12(4), 217-234

## Ms.M.Harshini

- AN OVERVIEW ON USAGE OF CO RELEASING MOLECULE (CORM) ASDIVERSEPHARMACOLOGICAL AGENT. M. Harshini, Assistant Professor, Department of Pharmaceutics, RBVRR Women's College of Pharmaceutics, Journal of Emerging technologies and innovative Research, July 2023, Volume 10, Issue 7 (ISSN-2349-5162)

## Mrs.M.Kavitha

- Pharmacological and Phytochemical Characteristics of pergularia daemia- Comprehensive Review ,European Chemical Bulletin, Vol 12,Issue 8, pg 5895-5910
- Drug Discovery and Drug Development with Artificial Intelligence (2Chapters)- Artificial Intelligence in Pharmacological Technology (Volume 2)
- Pharmacogenomics and Overview -Current Trends in multidisciplinary sciences -Vol 9

## Mrs.D Sowjanya

- IJPSCR, Spectrophotometric Method and its Validation for Repaglinide in its Bulk and Formulation Dissolution samples Including stress studies, 2022;2(3):85-90.

## Mrs.C.Preethi

- Evaluationof antimitotic activity of phytochemicals present in extracts of costusigneus leaves. International Journal in Pharmaceutical Sciences 2023, Vol1, Issue 8,page 165-178
- An Overview on the pandemic COVID-19 and its vaccination,Indian Drugs (14274) Pharmacological Screening of biological activities of ginger juice and ethanolic extract of zingiber officinale, International Journl of Pharmaceutical Research and application- vol8,issue 4July - August 2023, Page No-2182-2199 ,ISSN- 2249-7781.
- Academic trial with Chronic Asthama patients using combination drugs fro effective pharmacotherapy.Journal of Global Trends in Pharmaceutical Sciences. Vol 14, Issue-3 (July- Sep 2023) Journal No:46113

## Mrs. Sajida Afreen

- S.Varalaxmi, Sajida Afreen,V. Neha Venkata Durga. Preparation and Evaluation Of Transdermal Patches Of Ranitidine HCl . World Journal Of Pharmacy and Pharmaceutical Sciences.( Manuscript No: WJPPS/21640/11/2022)

## Ms.Afreen Sultana

- $\beta$ -Cyclodextrin with Sodium Alginate based Nanosponges Preparation and Characterization in the Removal of Organic Toxin: p-Cresol in the Simulated Biological Fluids,Asian Journal of Research in Pharmaceutical Sciences Vol. 12 | Issue-04|October - December | 2022

## Dr.Hajera Fatima

- Safety of Covid vaccination, possible risk and allergies. Syed Kashif Mohiuddin and Hajera Fatima ,The Pharma Innovation Journal 2022; 11(3): 1668-1673