



Rubiya Khursheed

PhD Scholar

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Summary:

Enthusiastic, dedicated and fast learner with an interest in the research related to formulation development of nutraceuticals.

Skills:

- Analysis and problem solving
- Write effective grant proposals
- Maintain flexibility in the face of changing circumstances
- Write at all levels- brief abstracts to review articles, research articles and book chapters
- Teaching skills
- Explain complex concepts in basic terms

Languages known:

- English
- Hindi
- Urdu

BIODATA

Academic Qualifications

Degree	Year	Subject	University/Institution	% Marks Obtained
B. PHARM	2015	Pharmacy	Kashmir University, Hazratbal, J&K, India	73.3%
M. PHARM	2017	Pharmaceutics	Sviet college, Banur, Punjab	66.8%
PhD. in pharmacy (Pursuing)	2018 (Course work)	Pharmaceutics	Lovely Professional University, Jalandhar	Course work CGPA: 8.67

Scholarship received: Qualified GPAT in 2015 (stipend = 12500/month for 2 year)

Outcomes from PhD work (Till date)

(Patents filed)

S.N.	Title	Application no	Date of filing
1.	Synbiotics as solidifying agents for emulsions	201911029689	October 31, 2019
2.	Novel solid emulsion formulation using synbiotics and process thereof	PCT/IN2020/050257	March 19, 2020

Publications: Total – 08

Cumulative Impact Factor: 39

S.N.	Publications	Journal	Journal impact
1.	Khursheed R , Singh, SK, Wadhwa S, Gulati M, Awasthi A, Kumar R, Ramanunni A K, Kapoor B. Exploring role of probiotics and Ganoderma lucidium extract powder as solid carriers to solidify liquid self-nanoemulsifying delivery systems loaded with curcumin. 2020;116996.	Carbohydrate Polymer	7.1
2.	Khursheed R , Singh, SK, Wadhwa S, Gulati M, Kapoor B, Jain SK, Zacconi FC, Chellappan DK, Gupta G, Dua K. Development of mushroom polysaccharide and probiotics based solid self-nanoemulsifying drug delivery system loaded with curcumin and quercetin to improve their dissolution rate and permeability: State of the art. 2021;	International Journal of Biological Macromolecules	6.9
3.	Khursheed R , Singh, SK, Wadhwa S, Gulati M, Kapoor B, Awasthi A, Dureja H. Opening eyes to therapeutic perspectives of bioactive polyphenols and their nanoformulations against diabetic neuropathy and related complications. 2020; DOI: 10.1080/17425247.2021.1846517.	Expert Opinion on Drug Delivery	5.2

4.	Khursheed R , Singh SK, Wadhwa S, Gulati M, Awasthi A. Therapeutic potential of mushrooms in diabetes mellitus: Role of polysaccharides. 2020 Jul 18.	International Journal of Biological Macromolecules	5.13
5.	Khursheed R , Singh SK, Wadhwa S, Gulati M, Awasthi A. Enhancing the potential preclinical and clinical benefits of quercetin through novel drug delivery systems. 2020; 25(1):209-22.	Drug Discovery Today	7.3
6..	Khursheed R , Singh SK, Wadhwa S, Kapoor B, Gulati M, Kumar R, Ramanunni AK, Awasthi A, Dua K. Treatment strategies against diabetes: Success so far and challenges ahead. 2019;862:172625.	European Journal of Pharmacology	3.2
6.			
7.	Khursheed R , Singh SK, Wadhwa S, Kapoor B, Gulati M, Kumar R, Gupta G, Dua K. Exploring role of polysaccharides present in <i>Ganoderma lucidum</i> extract powder and probiotics as solid carriers in development of liquisolid formulation loaded with quercetin: A novel study. 2020; 183:1630-1639	International Journal of Biological Macromolecules	5.2
8.	Khursheed R , Singh SK, Wadhwa S, Kapoor B, Gulati M, Kumar R, Gupta G, Dua K. Development and Validation of RP-HPLC Method for Simultaneous Determination of Curcumin and Quercetin in Extracts, Marketed Formulations, and Self-Nanoemulsifying Drug Delivery System. 2021; 1: 43-52.	ReGen Open	-

Conferences

S.N.	Certificate	Awarding Agency	Year
1.	Oral presentation on “Role of synbiotics in drug delivery: Giving a new dimension in biotechnology research”	“International conference on plant physiology and biotechnology” held at Lovely Professional University, Jalandhar, Punjab, India. (10 th to 12 th September, 2021) (3rd Prize)	2021
2.	Poster presentation on “Exploring the role of synbiotics as carrier to solidify self nano emulsifying drug delivery System”	“American Association of Pharmaceutical Science” held at San Antonio, Texas, USA (3 rd to 6 th November, 2019)	2019

3.	Oral presentation on “Development of nanostructured formulation containing curcumin, quercetin and probiotics for the effective treatment of diabetes mellitus”.	“2nd International conference of pharmacy” held at Lovely Professional University, Jalandhar, Punjab (13 th to 14 th September, 2019) (2nd prize)	2019
4.	Oral presentation on “Pharmaceutical and physiotherapy based approaches for the management of obesity and diabetes”	“International conference on expanding domains of physiotherapy” held at Lovely Professional University, Jalandhar, Punjab (12 th to 13 th April, 2019)	2019
5.	Poster presentation on “Development of S-SNEDDS for oral colon targeted delivery of curcumin”.	“World congress on pharmacology” held at Indian Institute of Science Bangalore (28 th to 29 th August 2019)	2019
6.	Poster presentation on “Role of synbiotics in management of lifestyle disorders”	“National conference on Recent advancements in the field of pharmaceutical sciences” held at Sri Sai group of Institutes, Amritsar, Punjab (27 th March, 2019)	2019
7.	Poster presentation on “Role of probiotics in treatment of type 2 diabetes mellitus: An overview”	“Integrated conference on Ayurveda, agriculture and pharmaceutical science” held at Lovely Professional University, Jalandhar, Punjab (13 th to 14 th October, 2018). (3rd Prize)	2018
8.	Poster presentation on “An insight on role of pharmaceutical co-crystals for dissolution rate enhancement of poorly water soluble drugs in”	“International conference on commercialization of medicinal plant products: Lab techniques to trade” held at Lovely Professional University, Jalandhar, Punjab (13 th to 14 th October, 2018)	2018

Achievements from allied work (Till Date)

Total Publications: 27

Cumulative Impact Factor: 70

S.N.	Publications	Journal	Journal impact
1.	Sharma DS, Wadhwa S, Gulati M, Arya KR, Awasthi A, Singh SK, Khursheed R , Corrie L, Chitranshi N, Gupta VK, Vishwas S. Recent advances in intraocular and novel drug delivery systems for the treatment of diabetic retinopathy doi: 10.1080/17425247.2021.1846518	Expert Opinion on Drug Delivery	5.2
2.	Kumar R, Kumar R, Khurana N, Singh SK, Khurana S, Verma S, Sharma N, Kapoor B, Vyas M, Khursheed R , Awasthi A. Enhanced oral bioavailability and neuroprotective effect of fisetin through its SNEDDS against rotenone-induced Parkinson's disease rat model. 2020:111590.	Food and Chemical Toxicology	4.5
3.	Awasthi A, Vishwas S, Corrie L, Kumar R, Khursheed R , Kaur J, Kumar R, Arya KR, Gulati M, Kumar B, Singh SK. OUTBREAK of novel corona virus disease (COVID-19): Antecedence and aftermath. 2020:173381.	European Journal of Pharmacology	3.2
4.	Kumar R, Kumar R, Khursheed R , Awasthi A, Ramanunni AK, Kaur J, Khurana N, Singh SK, Khurana S, Pandey NK, Kapoor B. Validated Reverse Phase-High-Performance Liquid Chromatography Method for Estimation of Fisetin in Self-Nanoemulsifying Drug Delivery System. 2020 Jun 29.	Assay and Drug Development Technologies	1.1
5.	Kumar R, Kumar R, Khursheed R , Awasthi A, Khurana N, Singh SK, Khurana S, Sharma N, Gunjal P, Kaur J, Corrie L. Development and validation of RP-HPLC method for estimation of fisetin in rat plasma. 2020.	South African Journal of Botany	1.7
6.	Kapoor, B., Gupta, R., Gulati, M., Singh, S.K., Khatik, G.L., Chawla, M., Nagappan, K.V., Khursheed, R. and Kumar, R., 2020. High-Performance Liquid Chromatography and Liquid Chromatography/Mass Spectrometry Studies on Stress Degradation Behavior of Sulfapyridine and Development of a Validated, Specific, Stability-Indicating HPLC Assay Method. 18(3): 119-133.	Assay and Drug Development Technologies	1.1
7.	Famta P, Famta M, Kaur J, Khursheed R , Kaur A, Khatik GL, Pawde DM, Rahman SN, Shunmugaperumal T. Protecting the Normal Physiological Functions of Articular and Periarticular Structures by Aurum Nanoparticle-Based Formulations: an Up-to-Date Insight. 2020;21(3):1-6.	AAPS PharmSciTech	2.3

8.	Ghosh D, Singh SK, Khursheed R , Pandey NK, Kumar B, Kumar R, Kumari Y, Kaur G, Clarisse A, Awasthi A, Gulati M. Impact of solidification on micromeritic properties and dissolution rate of self-nanoemulsifying delivery system loaded with docosahexaenoic acid.2020;46(4):597-605.	Drug Development and Industrial Pharmacy	2.2
9.	Kumari Y, Singh SK, Kumar R, Kumar B, Kaur G, Gulati M, Tewari D, Gowthamarajan K, Karri VN, Ayinkamiye C, Khursheed R . Modified apple polysaccharide capped gold nanoparticles for oral delivery of insulin. 2020;149: 976-988.	International Journal of Biological Macromolecules	5.1
10.	Kumar R, Kumar R, Khursheed R , Kapoor B, Sharma N, Khurana S, Khurana N, Singh SK, Vyas M. Development and Validation of UV Spectroscopic Method for Estimation of Fisetin in Self Nanoemulsifying Drug Delivery System. 2020;13(3):1179-82.	Research Journal of Pharmacy and Technology	-
11.	Pandey NK, Singh SK, Ghosh D, Khursheed R , Kumar R, Kapoor B, Kumar B, Awasthi A. Method Development and Validation for Simultaneous Estimation of Glimepiride and Simvastatin by using Reversed Phase High-performance Liquid Chromatography.2020;13(4):1655-9.	Research Journal of Pharmacy and Technology	-
12.	Current strategies and future perspective for the effective treatment of diabetic retinopathy	Current Drug Therapy	-
13.	Kumari Y, Kaur G, Kumar R, Singh SK, Gulati M, Khursheed R , Clarisse A, Gowthamarajan K, Karri VN, Mahalingam R, Ghosh D. Gold nanoparticles: New routes across old boundaries. 2019; 274:102037.	Advances in Colloid and Interface Science	8.2
14.	Kumar R, Khursheed R , Kumar R, Awasthi A, Sharma N, Khurana S, Kapoor B, Khurana N, Singh SK, Gowthamarajan K, Wadhwani A. Self-nanoemulsifying drug delivery system of fisetin: Formulation, optimization, characterization and cytotoxicity assessment. 2019;54:101252.	Journal of Drug Delivery Science and Technology	2.6
15.	Banerjee M, Khursheed R , Yadav AK, Singh SK, Gulati M, Pandey DK, Prabhakar PK, Kumar R, Porwal O, Awasthi A, Kumari Y. A Systematic Review on Synthetic Drugs and Phytopharmaceuticals Used to Manage Diabetes. 2020, 16(4):340-56.	Current Diabetes Reviews	-

16.	Som S, Singh SK, Khatik GL, Kapoor B, Gulati M, Kuppusamy G, Anandhakrishnan NK, Kumar B, Khursheed R , Yadav AK, Kumar R, Singh PK. Quality by Design-Based Crystallization of Curcumin Using Liquid Antisolvent Precipitation: Micromeritic, Biopharmaceutical, and Stability Aspects. 2020;18(1):11-33.	Assay and Drug Development Technologies	1.1
17.	Kapoor B, Gupta R, Gulati M, Singh SK, Khursheed R , Gupta M. The Why, Where, Who, How, and What of the vesicular delivery systems. 2019;271:101985.	Advances in Colloid and Interface Science	8.2
18.	Singh, S., Singh, S.K., Chauhan, M.G., Kumar, B., Pandey, N.K., Kaur, B., Kumar, A., Mohanta, S., Gulati, M., Khursheed R , Wadhwa, S. and Yadav, A.K., 2019. Quality by Design-based Optimization of Formulation and Process Variables for Controlling Particle Size and Zeta Potential of Spray Dried Incinerated Copper Nanosuspension. 12(3):248-260.	Recent Innovations in Chemical Engineering	-
19.	Mohanta S, Singh SK, Kumar B, Gulati M, Jyoti J, Som S, Panchal S, Melkani I, Banerjee M, Sinha SK, Khursheed R . Solidification of liquid Modified Apple Polysaccharide by its adsorption on solid porous carriers through spray drying and evaluation of its potential as binding agent for tablets. 2018; 120:1975-1998.	International Journal of Biological Macromolecules	5.1
20.	Sharma P, Singh SK, Pandey NK, Rajesh SY, Bawa P, Kumar B, Gulati M, Singh S, Verma S, Yadav AK, Khursheed R , Wadhwa S. Impact of solid carriers and spray drying on pre/post-compression properties, dissolution rate and bioavailability of solid self-nanoemulsifying drug delivery system loaded with simvastatin. 2018 ;338:836-486.	Powder Technology	4.1
21.	Patil A, Mishra V, Thakur S, Riyaz B, Kaur A, Khursheed R , Patil K, Sathé B. Nanotechnology derived nanotools in biomedical perspectives: An update. 2019;15(2):137-46.	Current Nanoscience	1.2
22.	Jyoti J, Anandhakrishnan NK, Singh SK, Kumar B, Gulati M, Gowthamarajan K, Kumar R, Yadav AK, Kapoor B, Pandey NK, Khursheed R , Som S. A three-pronged formulation approach to improve oral bioavailability and therapeutic efficacy of two lipophilic drugs with gastric lability. 2019;9(4):848-65.	Drug Delivery and Translational Research	2.9
23.	Alhajri N, Khursheed R , Ali MT, Izneid TA, Cardiovascular Health and The Intestinal Microbial Ecosystem: The Impact of Cardiovascular Therapies on The Gut Microbiota. 2021;9: 1-18.	Microorganisms	4
24.	Corrie L, Gulati M, Vishwas S, Kapoor B, Singh SK, Khursheed R . Combination Therapy of Curcumin and Fecal Microbiota Transplant: Potential treatment of Polycystic Ovarian Syndrome. 2020; 154(11):110644.	Medical hypothesis	1.5

25.	Gulati M, Singh SK, Corrie L, Khursheed R. Fecal Microbiota Transplant: Latest Addition to Arsenal Against Recurrent Clostridium Difficile Infection. 2020	Recent patents on anti-infective drug discovery	-
26.	Awasthi A, KumarSK, Kumar B, Gulati M, Khursheed R. Treatment Strategies Against Diabetic Foot Ulcer: Success so far and Road Ahead. 2021;17(4):421-436.	Current Diabetes Review	1.2
27.	Corrie L, Gulati M, Singh SK, KapoorB, Khursheed R , Awasthi A. Recent updates on animal models for understanding the etiopathogenesis of polycystic ovarian syndrome. 2021; 1(280):119753.	Life Science	5