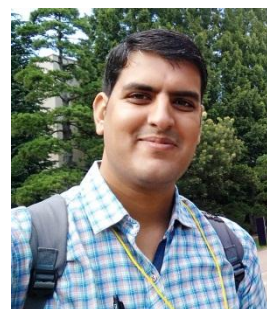


## Curriculum Vitae

**Dr. Pramod Kumar**, M. Pharm (Quality Assurance), PhD  
Assistant Professor  
Department of Pharmaceutical Analysis  
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### Research interest

Quality Assurance, Analytical and Formulation Quality by Design, Nanomedicine, Brain drug delivery, Pharmacokinetic, Neurochemistry

### Education Qualifications

2013-2017	Central University of Rajasthan, Ajmer, India Title: Preparation, optimization and Evaluation of Nanocolloidal Carriers loaded with Dimethyl Fumarate along with neuroprotectives for better brain delivery Research Supervisors: Dr. Ruchi Malik and Dr. Kaisar Raza <b>PhD</b> , Pharmacy
2011-2013	Jaipur National University, Jaipur, India <b>M. Pharmacy</b> , Quality Assurance, 75.25%
2007-2011	Jaipur National University, Jaipur, India <b>B. Pharmacy</b> , 66.64%

### Professional Experience

August 2018 to till date	Assistant Professor, Department of Pharmaceutical Analysis, National Institute of Pharmaceutical Education and Research, Guwahati, Aasam
December 2017 to August 2018	Research Associate (DST Nanomission project) <b>Department of Pharmaceutics, School of Pharmaceutical Education and Research, Jamia Hamdard (Deemed to be University), New Delhi, India</b> Project Title: <b>A Cost Effective Oral Nanoformulation Development of Zoledronate for the treatment of Osteoporosis</b>
April 2016 to November 2017	National Senior Research Fellow <b>Department of Pharmacy, Central University of Rajasthan, Ajmer, India</b>
April 2014 to March 2016	National Junior Research Fellow <b>Department of Pharmacy, Central University of Rajasthan, Ajmer, India</b>

## Curriculum Vitae

August 2013 November 2013	to	Assistant Professor <b>Institute of Pharmaceutical Sciences and Research Centre, Bhagwant University, Ajmer, Rajasthan</b>
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### Awards, Grants and Training

#### International

September 2017	Selected and sponsored by Asia Pacific Society for Neurochemistry (APSN) for APSN-ISN-JSN Advanced School, Sendai 2017 in conjunction with the 60th Annual Meeting of the Japanese Society for Neurochemistry (JSN) organized by Tohoku University, Sendai, Japan from 02 <sup>nd</sup> September 2017 to 09 <sup>th</sup> September 2017
April 2017	Selected and sponsored by International Brain Research Organization (IBRO) for IBRO Associate School of Neuroscience organized by the Banaras Hindu University, Varanasi from 01 <sup>st</sup> April 2017 to 16 <sup>th</sup> April 2017
August 2016	Bagged 3 <sup>rd</sup> best oral presentation award during IBRO Associate School of Neuroscience organized by the Universiti Teknologi Mara, Malaysia during 08th-14th August 2016
August 2016	Selected and sponsored by IBRO for IBRO Associate School of Neuroscience organized by the Universiti Teknologi Mara, Malaysia on 08 <sup>th</sup> -14 <sup>th</sup> August 2016
December 2017	Received DST Travel Award to attend the 4th Nano Today Conference organized by Nano Today Journal, Elsevier Limited, UK and IBN, Singapore on 6th Dec. 2015 to 10th Dec. 2015 at Dubai, UAE

#### National

April 2014	Awarded National Fellowship-OBC in 2014 for PhD amongst 300 candidates nationwide
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### Memberships of Professional Bodies

1. British Society for Nanomedicine, UK
2. International Society for Neurochemistry, Switzerland (Account No. 16839; Member ID is 22879).
3. Asia-Pacific Society for Neurochemistry, Republic of Korea (Membership No. 16-3-IND-S05)
4. Rajasthan Pharmacy Council, Jaipur, Rajasthan (Registration No. - 35640).

### Reviewer in various journals and conferences

2017-2018	AAPS annual Meeting and exposition 2017 and 2018
2016-2018	Food Hydrocolloids, ACS Biomaterials Science and Engineering, CNS and Neurological Disorders-Drug Targets and Current Pharmaceutical Analysis

## Curriculum Vitae

### Scientific publications

1. **Pramod Kumar**, Gajanand Sharma, Varun Gupta, Ramanpreet Kaur, Kanika Thakur, Ruchi Malik, Anil Kumar, Naveen Kaushal, Kaisar Raza. 2018. Preclinical Explorative Assessment of Dimethyl Fumarate-Based Biocompatible Nanolipoidal Carriers for the Management of Multiple Sclerosis. *ACS Chemical Neuroscience*. 09(5): 1152-1158 Doi: 10.1021/acschemneuro.7b00519. [**Impact factor-4.211**] **Cover page publication in Volume 9 (5)**
2. **Pramod Kumar**, Gajanand Sharma, Rajendra Kumar, Ruchi Malik, Bhupinder Singh, O. P. Katare, Kaisar Raza. 2017. Stearic Acid-based, Systematically Designed Oral Lipid Nanoparticles for Enhanced Brain Delivery of Dimethyl Fumarate. *Nanomedicine (Lond.)*. 12(23):2607-2621 doi: 10.2217/nnm-2017-0082. [**Impact factor-5.005**]
3. **Pramod Kumar**, Gajanand Sharma, Rajendra Kumar, Ruchi Malik, Bhupinder Singh, Om Prakash Katare, and Kaisar Raza. 2017. Vitamin-derived nanolipoidal carriers for brain delivery of dimethyl fumarate: A novel approach with preclinical evidences. *ACS Chemical Neuroscience*. 08(6-7), 1390-1396. doi: 10.1021/acschemneuro.7b00041. [**Impact factor-4.211**]
4. **Pramod Kumar**, Gajanand Sharma, Rajendra Kumar, Ruchi Malik, Bhupinder Singh, Om Prakash Katare, and Kaisar Raza. 2016. Enhanced Brain Delivery of Dimethyl Fumarate employing Tocopherol Acetate-based Nanolipidic Carriers: Evidences from Pharmacokinetic, Biodistribution and Cellular Uptake Studies. *ACS Chemical Neuroscience*. 8(4), 860-865. doi: 10.1021/acschemneuro.6b00428. [**Impact factor-4.211**]
5. **Pramod Kumar**, Gajanand Sharma, Rajendar Kumar, Bhupinder Singh, Ruchi Malik, O. P. Katare. Kaisar Raza. 2016. Promises of a biocompatible nanocarrier in improved brain delivery of quercetin: biochemical, pharmacokinetic and biodistribution evidences. *International journal of Pharmaceutics*. 515, 307-314. doi: 10.1016/j.ijpharm.2016.10.024. [**Impact factor-3.862**]
6. **Pramod Kumar**, Kaisar Raza, Ruchi Malik, Shweta Arora, O. P. Katare. 2016. Role of Colloidal Drug Delivery Carriers in Taxanes-mediated Chemotherapy: A Review. *Current Pharmaceutical Design*. 22, 5127-5143. doi: 10.2174/1381612822666160524144926. [**Impact factor-2.757**]
7. Avinash Gothwal, Iliyas Khan, **Pramod Kumar**, Kaisar Raza, Ankur Kaul, Anil Kumar Mishra, Umesh Gupta. 2017. Bendamustine-PAMAM Conjugates for the Improved Apoptosis, Efficacy and in vivo Pharmacokinetics: A Sustainable Delivery Tactic. *Molecular Pharmaceutics*. 15(6), 2084-2097. Doi: 10.1021/acs.molpharmaceut.7b00625. [**Impact factor-4.556**]
8. Nagarani Thotakura, Mukesh Dadarwal, Rajendra Kumar, Bhupinder Singh, Gajanand Sharma, **Pramod Kumar**, Om Prakash Katare, Kaisar Raza. 2017. Chitosan-palmitic acid based polymeric micelles as promising carrier for circumventing pharmacokinetic and drug delivery concerns of tamoxifen. *International Journal of Biological Macromolecules*. 102, 1220-1225. Doi: <https://doi.org/10.1016/j.ijbiomac.2017.05.016> [**Impact factor-3.909**]

## Curriculum Vitae

9. Nagarani Thotakura, **Pramod Kumar**, Sheetu Wadhwa, Kaisar Raza, O. P. Katare. 2017. Dermatokinetics as an important tool to assess the bioavailability of drugs by topical nanocarriers. *Current drug Metabolism*. 18 (5), 404-411. doi: 10.2174/1389200218666170306104042. [**Impact factor-2.655**]
10. Mayank Joshi, **Pramod Kumar**, Rajendra Kumar, Gajanand Sharma, Bhupinder Singh, O. P. Katare, Kaisar Raza. 2017. Aminated carbon-based “cargo vehicles” for improved delivery of methotrexate to breast cancer cells. *Materials Science and Engineering: C*. 75. 1376-1388. doi: 10.1016/j.msec.2017.03.057. [**Impact factor-5.080**]
11. Kaisar Raza, Shanti Ratan, Manish Kumar, **Pramod Kumar**, Saurabh Chaturvedi, O. P. Katare. 2017. Aceclofenac polymorphs: Preparation, characterization and intestinal permeation studies. *Journal of Drug Delivery Science and Technology*. 39, 69-74. doi: 10.1016/j.jddst.2017.03.004. [**Impact factor-2.297**]
12. Madhwi, Rajendra Kumar, **Pramod Kumar**, Bhupinder Singh, Gajanand Sharma, O P Katare, Kaisar Raza. 2017. *In-Vivo* Pharmacokinetic Studies and Intracellular Delivery of Methotrexate by Means of Glycine-Tethered PLGA-Based Polymeric Micelles. *International Journal of Pharmaceutics*. 519, 138-144. doi: 10.1016/j.ijpharm.2017.01.021. [**Impact factor-3.862**]
13. **Pramod Kumar**, Rajendra Kumar, Bhupinder Singh, Ruchi Malik, Gajanand Sharma, Deepak Chitkara, O. P. Katare and Kaisar Raza. 2016. Biocompatible Phospholipid-based Mixed Micelles for Tamoxifen Delivery: Promising Evidences from In-vitro Anticancer Activity and Dermatokinetic Studies. *AAPS PharmSciTech*. 18, 2037-2044. doi: 10.1208/s12249-016-0681-1. [**Impact factor-2.666**]
14. Chanchal Kiran Thakur, Nagarani Thotakura, Rajendra Kumar, **Pramod Kumar**, Bhupinder Singh, Deepak Chitkara, Kaisar Raza. 2016. Chitosan-modified PLGA Polymeric Nanocarriers with Better Delivery Potential for Tamoxifen. *International journal of biological macromolecules*. 93, 381-389. doi: 10.1016/j.ijbiomac.2016.08.080. [**Impact factor-3.909**]
15. Nagarani Thotakura, Mukesh Dadarwal, **Pramod Kumar**, Gajanand Sharma, Santosh Kumar Guru, Shanshi Bhushan, Kaisar Raza, O P Katare. 2017. Chitosan-Stearic Acid Based Polymeric Micelles for the Effective Delivery of Tamoxifen: Cytotoxic and Pharmacokinetic Evaluation. *AAPS PharmSciTech*. 18, 759-768. doi: 10.1208/s12249-016-0563-6. [**Impact factor-2.666**]
16. Harsh Yadav, **Pramod Kumar**, Vikas Sharma, Gajanand Sharma, Kaisar Raza, O P Katare. 2016. Enhanced efficacy and a better pharmacokinetic profile of tamoxifen employing polymeric micelles. *RSC Advances*. 6, 53351-7. 2016. Doi: 10.1039/C6RA10874A. [**Impact factor-2.936**]
17. Kaisar Raza, Nitesh Kumar, Charu Misra, Lokesh Kaushik, Santosh Kumar Guru, **Pramod Kumar**, Ruchi Malik, Shanshi Bhushan, OP Katare. 2016. Dextran-PLGA-loaded docetaxel micelles with enhanced cytotoxicity and better pharmacokinetic profile. *International journal of biological macromolecules*. 88, 206-12. doi: 10.1016/j.ijbiomac.2016.03.064. [**Impact factor-3.909**]

## Curriculum Vitae

18. Kaisar Raza, Dinesh Kumar, Chanchal Kiran, Manish Kumar, Santosh Kumar Guru, **Pramod Kumar**, Shweta Arora, Gajanand Sharma, Shashi Bhushan, OP Katare. 2016. Conjugation of docetaxel with multiwalled carbon nanotubes and co-delivery with piperine: Implications on pharmacokinetic profile and anti-cancer activity. *Molecular Pharmaceutics*. 13, 2423–2432. Doi: 10.1021/acs.molpharmaceut.6b00183. [**Impact factor-4.556**]
19. Kaisar Raza, Nagarani Thotakura, **Pramod Kumar**, Mayank Joshi, Shashi Bhushan, Amit Bhatia, Vipin Kumar, Ruchi Malik, Gajanand Sharma, Santos Kumar Guru, O. P. Katare. 2015. C<sub>60</sub>-fullerenes for Delivery of Docetaxel to Breast Cancer Cells: A Promising Approach for Enhanced Efficacy and Better Pharmacokinetic Profile. *International Journal of Pharmaceutics*. 495, 551-559. doi: 10.1016/j.ijpharm.2015.09.016. [**Impact factor-3.862**]
20. Shikha Lohan, Kaisar Raza, Saloni Singla, Sanjay Chhibber, Sheetu Wadhwa, O. P. Katare, **Pramod Kumar**, Bupinder Singh. 2015. Studies on Enhancement of Anti-Microbial Activity of Pristine MWCNTs against Pathogens. *AAPS PharmSciTech*. 17:1042-1048. doi: 10.1208/s12249-015-0430-x. [**Impact factor-2.666**]
21. Kaisar Raza, **Pramod Kumar**, Shanti Ratan, Ruchi Malik and Shweta Arora. 2014. Polymorphism: The Phenomenon affecting the Performance of Drugs. *SOJ Pharmacy & Pharmaceutical Sciences*.1(2).1-10.
22. Kaisar Raza, Manish Kumar, **Pramod Kumar**, Ruchi Malik, Gajanand Sharma, Manmeet Kaur, O. P. Katare. 2014. Topical Delivery of Aceclofenac: Challenges and Promises of Novel Drug Delivery Systems. *BioMed Research International*. vol. 2014, Article ID 406731, 11 pages. Doi: 10.1155/2014/406731. [**Impact factor-2.583**]

### Book Chapters

1. **Pramod Kumar**, Ruchi Malik, Kaisar Raza. 2016. Brain Delivery by Oral Nanoparticles: Promises, Challenges and Future Prospects. Volume 2, Emerging trends in Nanobiomedicine. Ed, Bhupinder Singh. Series, NanoBioEngineering: (International Series ISBN: 9780815348351). M/S CRC Press Taylor and Francis Inc., USA.
2. Kaisar Raza, **Pramod Kumar**, Nitesh Kumar, Ruchi Malik. 2017. Book chapter 9: Pharmacokinetics and biodistribution of the nanoparticles: Ed, Surendra Nimesh. *Advances in Nanomedicine for the delivery of Therapeutic Nucleic Acids*. <http://dx.doi.org/10.1016/B978-0-08-100557-6.00009-2>. Woodhead Publishing, available on Elsevier Limited, Netherlands, 165-186.

### Research activities

#### Paper/poster presented

#### International

1. Poster presentation entitled “*Dimethyl Fumarate along with Neuroprotectives for Better Brain Delivery in Multiple Sclerosis*” in 60th Annual Meeting of the Japanese

## Curriculum Vitae

Society for Neurochemistry (JSN) organized by Tohoku University, Sendai, Japan from 07<sup>th</sup> September 2017 to 09<sup>th</sup> September 2017.

2. Poster presentation entitled “*Stearic acid based, oral lipidic nanoparticles of dimethyl fumarate and quercetin for the management of relapsing multiple sclerosis: enhanced pharmacokinetics and pharmacodynamic profile*” in APSN-ISN-JSN Advanced School, Sendai organized by Tohoku University, Sendai, Japan from 2<sup>nd</sup> September 2017 to 06<sup>th</sup> September 2017.
3. Oral presentation entitled “*In-vivo pharmacokinetic, biodistribution and behavioural studies of dimethyl fumarate along with sesamol-based solid lipid nanoparticles: Improved brain delivery for multiple sclerosis*” in IBRO-APRC Associate School of Neuroscience organized by BHU, Varanasi on 1st April 2017 to 16th April 2017.
4. Oral presentation entitled “*Dimethyl fumarate and Vitamin E based solid lipid nanoparticles for the exclusive management of multiple sclerosis*” at IBRO-APRC Associate School of Neuroscience 2016 organized by the Universiti Teknologi Mara, Malaysia on 08th-14th August 2016.
5. Presented a poster entitled “*Tamoxifen-loaded phospholipid based nanomicelles for topical delivery: formulation, characterization and dermatokinetic studies*” in 05 days “4th Nano Today Conference” organized by Nano Today Journal, Elsevier Limited, UK and IBN, Singapore on 6th Dec. 2015 to 10th Dec. 2015 at Dubai, UAE.

### National

1. Oral presentation entitled “Oral lipidic nanoparticles of dimethyl fumarate along with sesamol: Enhanced pharmacological profile for relapsing multiple sclerosis” in 1<sup>st</sup> Post-Doctoral Research Conclave 2018 organized by Jamia Hamdard, New Delhi on 12<sup>th</sup> April 27, 2018.
2. Poster presented entitled “*Synthesis and characterization studies of dooetaxel-C60 fullerenes conjugates*” in the National Conference on “Impact of molecular biology on drug discovery and development: Promises and challenges” organized by Central University of Rajasthan from 17 to 18 February 2015.
3. Participated and Poster presented entitled “*Newer pharmacologically active compounds derived from aceclofenac*” in three days International Symposium on Recent advances in Medicinal Chemistry by NIPER, Mohali from 8 to 10 Sept. 2014 at NIPER, Mohali, Chandigarh.