Curriculum Vitae

Dr. Prabhat Ranjan Mishra PhD, FNASc
Senior Principal Scientist, Professor & Head
Department of Pharmaceutics and Pharmacokinetics
CSIR-Central Drug Research Institute, Sector-10, Jankipuram Extension, Sitapur Road, Lucknow -226-031
Email: prabhat_mishra@cdri.res.in; mishrapr@hotmail.com
Telephone : **0522-2772450 (4537)** Fax: **0522-2771940**

Education

Dr. H.S. Gaur University, Sagar, University of Sagar (MP)
B. Pharm, Department of Pharmaceutical Sciences (Merit holder) 1993

Dr. H.S. Gaur University, Sagar, University of Sagar (MP)
M.Pharm (Pharmaceutics) Department of Pharmaceutical Sciences 1995

Dr. H.S. Gaur University, Sagar, University of Sagar (MP)
PhD (Pharmaceutics (Novel and Targeted Drug Delivery Systems) 2001

Professional Career

S. No.	Institution Place	Position	From (Date)	To (date)
1.	Pharmaceutics and Pharmacokinetics Division, CSIR-Central Drug Research Institute (CDRI), Lucknow	Senior Principal Scientist & Head, Professor (AcSIR)	24.01.2020	Present
2.	Pharmaceutics and Pharmacokinetics Division, CSIR-Central Drug Research Institute (CDRI), Lucknow	Senior Principal Scientist & Professor (AcSIR)	04.09.2016	24.01.2020
3.	Pharmaceutics and Pharmacokinetics Division, CSIR-Central Drug Research Institute (CDRI), Lucknow	Principal Scientist & Associate Professor (AcSIR)	04.09.2011	03.09.2016
4.	Pharmaceutics and Pharmacokinetics Division, CSIR-Central Drug Research Institute (CDRI), Lucknow	Senior Scientist & Assistant Professor (AcSIR)	04.09.2007	03.09.2011
5.	Pharmaceutics and Pharmacokinetics Division, CSIR-Central Drug Research Institute (CDRI), Lucknow	Scientist	04.09.2003	03.09.2007
6.	Department of Pharmaceutics Faculty of Pharmacy, Jamia Hamdard (Hamdard University), New-Delhi.	Asst Professor (Pharmaceutics)	19.11.2000	01.09.2003
7.	Nicholas(P) India Ltd	Jr. Executive	26.10.1995	30.04.1997

Area of Specialization

Development of novel biomaterials for using as nanomaterials, Target Oriented Drug Delivery Systems for enhanced therapeutic index of drugs. Nanomedicine, Ligand receptor interaction, Endosomal pH responsive drug delivery, Intracellular delivery of drugs. Targeting to tumor and macrophages.

Deputation Abroad

Visiting Scientist at Institute of pharma-ceutical Technology, Free University, **Berlin, Germany** under INSA-DFG Programme in 2008

Visiting Scientist at University of **Bradford, UK** under Royal society-CSIR joint research project from 2010

Honours and Awards received

- Elected **Fellow, National Academy of Sciences (FNASc)** from NASI Prayagraj (2019)
- **Awarded TATA INNOVATION FELLOWSHIP 2018-19** by DBT Govt. of India for contribution in the area of translational research based on controlled and targeted drug delivery technologies.
- **Commercialized** Two products in the market with the name **Joint Fresh™** (for osteoarthritis) and **Reunion™** (Rapid fracture healing) while **Three** Products **Licensed** to Industries.
- **Awarded INSA-DFG fellowship** under Bilateral Exchange Programme in 2008.
- **Awarded development grant from FIP**, The Netherlands 2003.
- **Visiting Scientist** at Free University of Berlin, Germany 2008.
- **Visiting Scientist** at Bradford University, UK 2009
- **Outstanding reviewer award 2017** by Elsevier
- **Technology award (2021)** for the development of Process for the preparation of Umifenovir (Antiviral) licensed to M/s Medizest Pharmaceuticals Pvt. Ltd., Goa Date of Technology Transfer: 27-29 April 2020
- **Technology award (2021)** for the technology transfer of C*assia occidentalis* for bone regeneration and mitigation of corticosteroid-induced osteoporosis Industry to M/s Pharmanza Herbal Pvt. Ltd.
- **Technology award (2020)** for the development of a product for Benign Prostatic Hyperplasis licensed to Lumen 2019.
- **Technology award (2019)** for the development of a SMEDDS based product for Osteoarthritis available in the market as **"Joint Fresh"** 2019.
- **CDRI Directors'Special Incentive award** for excellence in research for the year 2013, 2014, 2015, 2016, 2019 & 2020 for publishing highes impact factor journal.
- **Young scientist (Fast Track) award** by Department of Science and Technology, India 2006.

- **Grant reviewer of OPUS research grant** proposals, National Science Center, Panel ST5, 2016
- **Grant reviewer of Research grant proposals** for Health and Medical Research Fund, Hongkong, 2016
- **Research group awarded Dr DL Shrivastava Memorial** Early career Award- 2019
- **Dr JM Khanna Memorial Early career** Achievement Awardin 2017& 2019 to research group
- **Research group awarded Swarn Nityanand** award for excellence in research 2016 and 2017.

Number of Technologies commercialized: TWO

(i) As a part of **translational research,** a licensed and commercialized **nanoemulsion based** anti-osteoarthritic product comprising standardized extract and biomarkers of *Spinacea oleracea*, has been **launched in the market** and is available as **Joint Fresh™** being marketed by **AERAN Labs.**

(ii) Reunion™ Tablets containing standadrdized extract of *Dalbergia Sissoo* for rapid fracture healing

Another Product **Reunion™** available in the market for rapid fracture healing containing standadrdized extract of *Dalbergia Sissoo* (in neutraceutical mode) being marketed by Aeran Labs Pvt. Ltd.

Number of Technologies transferred (licensed) to industry: THREE

(i) Development of Self Emulsifying Drug Delivery Systems comprising Standardized Extract of *Cassia Occidentalis* for Improved Efficacy in glucocorticoid induced osteoporosis. (Teechnology licensed to Pharmanza Herbals Pvt Ltd. 2018.

(ii) Licensed a product based on Chebulinic acid enriched fraction (N-012-0001 biomarker) with respect to Benign Prostatic Hyperplasia to Lumen Marketing Company, Chennai 2019. **(Technology transferred)**

(iii) Recently, during Covid-19 Pandemic we have developed and licensing **Umifenovir** to Medizest Pharmaceuticals Pvt Ltd. We established all the API Pharmaceutical specifications and developed formulation for which DCGI approval has been **obtained for Phase III clinical trial** in Covid patients. Double Blind Placebo controlled Phase III clinical trial is completed and data has been submitted to DCGI for marketing approval

Mentorship provided

(i)	Total No. of Ph.D students Supervised (awarded)	:	**17 (Seventeen)**
(ii)	Total No. of Ph.D students under supervision	:	**07 (Seven)**
(iii)	No.of N-PDF (Post Doctoral fellow)	:	**01**
(iv)	Total No. of M.Pharm students Supervised	:	**> 50 (> Fifty)**
(v)	Total No of research presentations/invited lectures	:	> **56**

Publications & Book Chapters

(i)	Total no. of Publications in SCI Journals	**:**	**129 (**Cumulative Avg Impact Factor >4.5)
(ii)	No. of Book Chapters	**:**	**08**

https://scholar.google.co.in/citations?user=k5g8-1gAAAAJ&hl=en
Total citation ~4500 ; h index 36; i 10 index 120)

Patents Granted/Filed

Number of Patents Granted/ Filed: **25 [Granted-14] ; [Applied for- 11]**

Research Projects and Grants implemented during the last 5 years

Our Lab research has been funded by research grants from several funding agencies (worth Rs >20 crores) like Department of Biotechnology (DBT), Department of Science and Technology (DST), Council of Scientific & Industrial Research (CSIR, India), International Pharmaceutical Federation (FIP), Royal Society UK. Funded projects worth Rs >20 crores

Selected Publications (Last TEN Years)

S No.	Publication Details	IF
1.	Ravi Prakash Shukla, Sandeep Urandur, Venkatesh Teja Banala, Disha Marwaha, Shalini Gautam, Nikhil Rai, Neha Singh, Pratiksha Tiwari, Prashant Shukla, **Prabhat Ranjan Mishra*** Development of Putrescine anchored nano-crystalsomes bearing Doxorubicin and Oleanolic acid- Deciphering its role in inhibiting metastatic breast cancer **Biomateri. Sci.**, 9, 1779-1794 DOI: 10.1039/D0BM01033B (2021) **(Corresponding author)**	**6.84**
2.	Madhav Nilakanth Mugale, Shubha Shukla, Manish K. Chourasia, Kashif Hanif, Aamir Nazir, Sarika Singh, Jiaur R. Gayen, Jagavelu Kumaravelu, Raj Kamal Tripathi, Baisakhi Mohrana, Manoj k. Barthwal, Akhilesh Kumar, Deepak Sharma, Divya Mohan, Anurag K. Srivastava, Sheeba Saji Samuel, Navodayam Kaleti, Sachi Bharti, Anupama Srivastava a , Divyansh Sharma a , Anil Kumar Meena a , Ramesh chandra, Sudhaker Yadav, Bharati Bhushan, Sadan K. Pandey, Promod K. Agnihotri, Himangsu K. Bora, Sanjeev Kanojiya, Sharad Sharma, **Prabhat Ranjan Mishra**, Kaml R. Arya, Naibedya Chattopadhyay, Srikanta Kumar Rath, Smrati Bhadauria Regulatory safety pharmacology and toxicity assessments of a standardized stem extract of	**3.27**

	Cassia occidentalis Linn. in rodents **Regulatory Toxicology and Pharmacology** 123, 104960, (2021)	
3.	Sandeep Urandur, Venkatesh Teja Banala, Ravi Prakash Shukla, Shalini Gautam, Disha Marwah, Nikhil Rai, Madhu sharma, Shweta Sharma, Pratibha Ramarao, **Prabhat Ranjan Mishra** Theranostic lyotropic liquid crystalline nanostructures for selective breast cancer imaging and therapy **Acta Biomaterialia** 113, 522-540 (2020) **(Corresponding author)**	**8.95**
4.	Ritu Trivedi, Sulekha Adhikary, Priyanka Kothari, Naseer Ahmad, Naresh Mittapelly, Gitu Pandey, Mahendra Shukla, Sudhir Kumar, Kapil Dev, Dharmendra Choudhary, Rakesh Maurya, Jawahar Lal and **Prabhat Ranjan Mishra** Self-emulsifying formulation of Spinacia oleracea reduces the dose and escalates bioavailability of bioactive compounds to accelerate fracture repair in rats **Clin. Phytoscience** 6:50 1-15 (2020). ***(Corresponding author)***	**2.5**
5.	Subhashis Pal, Naresh Mittapelly, Athar Husain, Sapana Kushwaha, Sourav Chattopadhyay, Padam Kumar, Eppalapally Ramakrishna, Sudhir Kumar, Rakesh Maurya, Sabyasachi Sanyal, Jiaur R.Gayen, **Prabhat R. Mishra** & NaibedyaChattopadhyay A butanolic fraction from the standardized stem extract of Cassia occidentalis L delivered by a self-emulsifying drug delivery system protects rats from glucocorticoid-induced osteopenia and muscle atrophy **Scientific Reports** 10:195, 1-14 (2020)	**4.38**
6.	Ravi Prakash Shukla, Jayant Dewangan, Sandeep Urandur, Venkatesh Teja Banala, Monika Diwedi, Shweta Sharma, Sristi Agrawal, Srikanta Kumar Rath, Ritu Trivedi, **Prabhat Ranjan Mishra** Multifunctional hybrid nanoconstructs facilitate intracellular localization of doxorubicin and genistein to enhance apoptotic and antiangiogenic efficacy in breast adenocarcinoma **Biomaterials Science** 8, 1298-1315**,** (2020) **DOI: 10.1039/C9BM01246, *(Corresponding author)***	**6.84**
7.	Priyanka Kushwaha, Naseer Ahmad, Yogeshwar V Dhar, Ashwni Verma, Saikat Haldar, Fayaj A Mulani, Prabodh K Trivedi, **Prabhat R Mishra**, Hirekodathakallu V Thulasiram, Ritu Trivedi Estrogen receptor activation in response to Azadirachtin A stimulates osteoblast differentiation and bone formation in mice **J Cell. Physiol**.; 234:23719–23735 (2019) **doi.org/10.1002/jcp.28940**	**6.38**
8.	Venkatesh Teja Banala, Sandeep Urandur, Shweta Sharma, Madhu Sharma, Ravi P. Shukla, Disha Marwaha, Shalini Gautam, Monika Dwivedi and **Prabhat Ranjan Mishra*** Targeted co-delivery of the aldose reductase inhibitor epalrestat and chemotherapeutic doxorubicin via a redox-sensitive prodrug approach promotes synergistic tumor suppression **Biomateri. Sci.**, 7, 2889-2906 (2019) ***(Corresponding author)***	**6.84**
9.	Gitu Pandey, Naresh Mittapelly, Venkatesh Teja Banala, and **Prabhat Ranjan Mishra*** Multifunctional Glycoconjugate Assisted Nanocrystalline Drug Delivery for Tumor Targeting and Permeabilization of Lysosomal Mitochondrial Membrane **ACS Applied Materials & Interfaces** 10 (20), 16964–16976 (2018) ***(Corresponding author)***	**9.23**
10.	Sandeep Urandur, Venkatesh TejaBanala, Ravi Prakash Shukla, Naresh Mittapelly, Gitu Pandey, NavodayamKalleti, Kalyan Mitra, Srikanta Kumar Rath, Ritu Trivedi, Pratibha Ramarao, **Prabhat Ranjan Mishra** Anisamide Anchored Lyotropic Nano Liquid Crystalline Particles with AIE Effect-A Smart Optical Beacon for Tumor Imaging and Therapy **ACS Applied Materials &Interfaces** 10(15) 12960-12974 (2018) ***(Corresponding author)***	**9.23**

11.	Venkatesh Teja Banala, Shweta Sharma, Puja Barnwal, Sandeep Urandur, Ravi P Shukla, Naseer Ahmad, Naresh Mittapalley, Gitu Pandey, Monika Dwivedi, Navodayam Kalleti, Kalyan Mitra, Srikanta Kumar Rath, Ritu Trivedi, **Prabhat Ranjan Mishra** Synchronized Ratiometric Co-Delivery of Metformin and Topotecan Through Engineered Nanocarrier Facilitate In-Vivo Synergistic Precision Levels at Tumor Site **Advanced Healthcare Materials** 7(19):e1800300 (2018). ***(Corresponding author)***	**9.93**
12.	Naresh Mittapelly, Gitu Pandey, Sachin Laxman Tulsankar, Sadaf Arfi, Rabi Sankar Bhatta, and **Prabhat Ranjan Mishra*** In Depth Analysis of Pressure-Sensitive Adhesive Patch-Assisted Delivery of Memantine and Donepezil Using Physiologically Based Pharmacokinetic Modeling and in Vitro/in Vivo Correlations **Mol. Pharm**.15(7):2646-2655 (2018). ***(Corresponding author)***	**4.94**
13.	VT Banala, S Urandur, R Shukla, G Pandey, N Mittaplley, M Dwivedi, **PR Mishra*** Boosting combination chemotherapeutic efficacy of Metformin and Topotecan using ion trapping assisted ratiometric delivery via pseudo cell like mesoporous silica nanoparticles **Cancer Medicine** 7, 48-49 (2018). ***(Corresponding author)***	**4.45**
14.	Dharmendra Choudhary, Priyanka Kothari, Ashish Kumar Tripathi, Sonu Singh, SulekhaAdhikary, Naseer Ahmad, Sudhir Kumar, Kapil Dev, Vijay Kumar Mishra, Shubha Shukla, Rakesh Maurya, **Prabhat R Mishra**, Ritu Trivedi Spinacia oleracea extract attenuates disease progression and sub-chondral bone changes in monosodium iodoacetate-induced osteoarthritis in rats **BMC Complementary and Alternative Medicine** (2018) 18:69.	**3.47**
15.	Sandeep Urandur, Disha Marawaha, Shalini Gautam, Venkatesh Teja Banala, Madhu Sharma, **Prabhat Ranjan Mishra** Non-lamellar liquid crystals: A new paradigm for the delivery of small molecules and biomacromolecules **Therapeutic Delivery** 9(9):667-689 (2018) ***(Corresponding author)***	**2.45**
16.	Sulekha Adhikary, Dharmendra Choudhary, Naseer Ahmad, AnirudhaKarvande, Avinash Kumar, Venkatesh TejaBanala, **Prabhat Ranjan Mishra**, Ritu Trivedi Dietary flavonoid kaempferol inhibits glucocorticoid-induced bone loss by promoting osteoblast survival **Nutrition** 53, 64-76 (2018)	**4.00**
17.	Dharmendra Choudhary, SulekhaAdhikary, Naseer Ahmad, Priyanka Kothari, Ashwni Verma, Prabodh Kumar Trivedi, **Prabhat Ranjan Mishra**, Ritu Trivedi Prevention of articular cartilage degeneration in a rat model of monosodium iodoacetate induced osteoarthritis by oral treatment with Withaferin A **Biomedicine & Pharmacotherapy** 99: 151-161 (2018)	**6.53**
18.	Sana Farooqui, Saurabh Srivastava,Shadab Mohammad,Aditya Bhushan Pant, **Prabhat Ranjan Mishra**, Gitu Pandey, Shalini Gupta 6Co-delivery of 5-Fluorouracil and Curcumin Nanohybrid Formulations f7or Improved Chemotherapy Against Oral Squamous Cell Carcinoma **J. Maxillofacial & Oral Surgery** 17(4) 597-610 (2018)	**1.89**
19.	Naresh Mittapelly, Maharshi Thalla,Gitu Pandey, Venkatesh TejaBanala, Shweta Sharma, Abhishek Arya, Sandeep Mishra, Kalyan Mitra, Shubha Shukla, **Prabhat Ranjan Mishra*** Long Acting Ionically Paired Embonate Based Nanocrystals of Donepezil for the Treatment of Alzheimer'sDisease:aProof of Concept Study **Pharm Res** 34:2322–2335 (2017) ***(Corresponding author)***	**4.20**
20.	Priyanka Tripathi, Anil Kumar Jaiswal, Anuradha Dube, **Prabhat Ranjan Mishra*** Hexadecylphosphocholine (Miltefosine) stabilized chitosan modified Ampholipospheres as prototype co-delivery vehicle for enhanced killing of L. donovani **Int. J. Biol. Macromol.** 105(Pt 1):625-637(2017) ***(Corresponding author)***	**6.95**

21.	Gitu Pandey, Naresh Mittapelly, Guru Raghavendra Valicherla, Ravi Prakash Shukla, Shweta Sharma, Venkatesh TejaBanala, Sandeep Urandur, Arun Kumar Jajoriya, Kalyan Mitra, DP Mishra, JR Gayen, **PR Mishra*** P-gp modulatory Acetyl-11-keto-β-boswellic acid based nanoemulsified carrier system for augmented oral chemotherapy of docetaxel **Colloids and Surfaces B: Biointerfaces**155: 276-286 (2017) ***(Corresponding author)***	**5.27**
22.	Sandeep K Singh, Vishal Makadia, Shweta Sharma, Mamunur Rashid, Sudhir Shahi, **Prabhat R Mishra**, Mohammed Wahajuddin, Jiaur R GayenPreparation and in-vitro/in-vivo characterization of trans-resveratrol nanocrystals for oral administration **Drug Delivery and Translational Research** 7(3):395-407 (2017)	**4.62**
23.	Adhikary S, Choudhary, D Ahmad N, Kumar S, Dev K, Mittapelly N, Pandey G, **Mishra PR** Maurya R, Trivedi R Dried and free granules of Spinacia Oleracea accelerate bone regeneration and alleviate post-menopausal osteoporosis **Menopause** 24(6):686-698 (2017)	**2.95**
24.	Anirudha Karvande, Vikram Khedgikar, Priyanka Kushwaha, Naseer Ahmad, Priyanka Kothari, Ashwni Verma, Padam Kumar, Geet Kumar Nagar, **Prabhat Ranjan Mishra**, Rakesh Maurya, Ritu Trivedi Heartwood extract from Dalbergia sissoo promotes fracture healing and its application in ovariectomy-induced osteoporotic rats **J. Pharm.Pharmacol**. 69(10):1381-1397(2017)	**3.76**
25.	Monika Sharma, Shweta Sharma, Vikas Sharma, Komal Sharma, Santosh Kumar Yadav, Pankaj Dwivedi, Satish Agrawal, Sarvesh Kumar Paliwal, Anil Kumar Dwivedi, Jagdamba Prasad Maikhuri, Gopal Gupta, **Prabhat Ranjan Mishra**, Ajay Kumar Singh Rawat Oleanolic–bioenhancer coloaded chitosan modified nanocarriers attenuate breast cancer cells by multimode mechanism and preserve female fertility **Int. J. Biol. Macromol.**104(Pt A):1345-135 (2017)	**6.95**
26.	Shweta Sharma, Ashwni Kumar Verma, Jyotsana Singh, B Venkatesh Teja, Naresh Mittapelly, Gitu Pandey, Sandeep Urandur, Ravi Shukla, Rituraj Konwar, **Prabhat Ranjan Mishra*** Vitamin B6 Tethered Endosomal pH Responsive Lipid Nanoparticles for Triggered Intracellular Release of Doxorubicin **ACS Appl. Mater. Interfaces** 8 (44), 30407–30421 (2016) ***(Corresponding author)***	**9.23**
27.	Dharmendra Choudhary, Priyanka Kushwaha, Jyoti Gautam, Padam Kumar, Ashwani Verma, Avinash Kumar, Saransh Wales Maurya, Ibadur Rahman Siddiqui, **Prabhat Ranjan Mishra**, Rakesh Maurya, Ritu Trivedi Fast and long acting neoflavonoidsdalbergin isolated from Dalbergia sissoo heartwood is osteoprotective in ovariectomized model of osteoporosis: Osteoprotective effect of Dalbergin **Biomedicine & Pharmacotherapy** (83) 942-957 (2016). ***(Corresponding author)***	**6.53**
28.	Guru R Valicherla, Priyanka Tripathi, Sandeep K Singh, Anees A Syed, Mohammed Riyazuddin, Athar Husain, Deep Javia, Kishan S Italiya, **Prabhat R Mishra**, Jiaur R GayenPharmacokinetics and bioavailability assessment of Miltefosine in rats using high performance liquid chromatography tandem mass spectrometry **J. Chromatography B** (1031) 123-130 (2016)	**3.21**
29.	Ashwni Kumar Verma, Shweta Sharma, Pramod Kumar Gupta, Deepak Singodia, Shaswat Kansal, Veena Sharma, **Prabhat Ranjan Mishra*** Vitamin B12 grafted Layer-by-Layer liposomes bearing HBsAg facilitates oral immunization: Effect of modulated biomechanical properties **Mol. Pharm** 13(7) 2531-2542 (2016) ***(Corresponding author)***	**4.94**
30.	Priyanka Kushwaha, Vikram Khedgikar, Deepika Sharma, Tony Yuen, Jyoti Gautam, Naseer Ahmad, Anirudha Karvande, **Prabhat R Mishra**, Prabodh K Trivedi, Li Sun, Sanjay K Bhadada, Mone Zaidi, Ritu Trivedi MicroRNA 874-3p	**5.15**

	Exerts Skeletal Anabolic Effects Epigenetically during Weaning by Suppressing Hdac1 Expression **J. Biol. Chem** 291(8) 3959-3966 (2016)	
31.	Naseer Ahmad, Venkatesh TejaBanala, Priyanka Kushwaha, AnirudhaKarvande, Shweta Sharma, Ashish Kumar Tripathi, Ashwni Kumar Verma, **Prabhat Ranjan Mishra*** Quercetin loaded solid lipid nanoparticles improves Osteoprotective activity in ovariectomized Rat Model: A preventive strategy for post-menopausal osteoporosis **RSC Advances** DOI: 10.1039/C6RA17141A (2016) ***(Corresponding author)***	**3.36**
32.	Shweta Sharma, Jyotsana Singh, Ashwni Verma, Banala Venkatesh Teja, Ravi P Shukla, Sandeep K Singh, Veena Sharma, RiturajKonwar, **PR Mishra*** Hyaluronic acid anchored paclitaxel nanocrystals improves chemotherapeutic efficacy and inhibits lung metastasis in tumor-bearing rat model **RSC Advances** 6(77):73083-73095 (2016) ***(Corresponding author)***	**3.36**
33.	Gitu Pandey, Naresh Mittapelly, Anamika Pant, Shweta Sharma, Pratiksha Singh Venkatesh Teja, Ritu Trivedi, P K Shukla **P R Mishra*** Dual functioning microspheres embedded cross-linked gelatin cryogels for therapeutic intervention in osteomyelitis and associated bone loss **Eur. J. Pharm. Sci.** 91:105-13 (2016) ***(Corresponding author)***	**4.38**
34.	Ashwni Verma,Shweta Sharma,Pramod Kumar Gupta,Awadhesh Singh,B Venkatesh Teja, Pankaj Dwivedi,Girish Kumar Gupta, Ritu Trivedi,**Prabhat Ranjan Mishra*** Vitamin B12 functionalized layer by layer calcium phosphate nanoparticles: A mucoadhesive and pH responsive carrier for improved oral delivery of insulin **Acta Biomaterialia** 31:288-300. doi: 10.1016/j.actbio (2016). ***(Corresponding author)***	**8.95**
35.	Naresh Mittapelly, Ramakrishna Rachumallu, Gitu Pandey, Shweta sharma, Abhishek Arya, Rabi Shanker Bhatta, **Prabhat Ranjan Mishra*** Investigation of salt formation between memantine and pamoic acid: Its exploitation in nanocrystalline form as long acting injection **Eur. J. Pharm. Biopharm.** 101 62-71 (2016) ***(Corresponding author)***	**5.57**
36.	Monika Sharma,Shweta Sharma, Vikas Sharma, Satish Agarwal, Pankaj Dwivedi, SarveshPaliwal, Jagdamba Prasad Maikhuri, Gopal Gupta, Anil Kumar Dwivedi, **Prabhat Ranjan Mishra***, Ajay Kumar Sigh Rawat Design of folic acid conjugated chitosan nanocur-bioenhancers to attenuate the hormone-refractory metastatic prostate carcinoma by augmenting oral bioavailability **RSC Advances** 6 (30), 25137-25148 (2016)	**3.36**
37.	Vikram Khedgikar, Priyanka Kushwaha, Jyoti Gautam, Shewta Sharma, Ashwni Verma, Dharmendra Choudhary, **Prabhat R. Mishra,** Ritu Trivedi Kaempferol targets Krt-14 and induces cytoskeletal mineralization in osteoblasts: A mechanistic approach **Life Sciences** 151:207-217 (2016).	**5.04**
38.	M Gangwar, VT Banala, **PR Mishra**, P Bajpai, S Misra-Bhattacharya Oral formulations of Brugiamalayi recombinant proteins elicited profound immune responses in mice against experimental lymphatic filariasis **Eur. J. Immunology** 46(859-859 (2016)	**5.53**
39.	S Sharma, A Verma, G Pandey, N Mittapelly, **and PR Mishra*** Investigating the role of Pluronic-g-Cationic polyelectrolyte as functional stabilizer for nanocrystals: Impact on Paclitaxel oral bioavailability and tumor growth **Acta Biomaterialia** 26, 169-183 (2015). ***(Corresponding author)***	**8.95**
40.	P Tripathi, P Dwivedi, R Khatik, AK Jaiswal, A Dube, P Shukla**, PR Mishra*** Development of 4-sulfated N-acetyl galactosamine anchored chitosan nanoparticles: A dual strategy for effective management of Leishmaniasis **Colloids and Surfaces B: Biointerfaces**136, 150-159 (2015) ***(Corresponding author)***	**5.27**

41.	Sandeep Kumar Singh, Venkatesh TejaBanala, Girish K Gupta, Ashwni Verma, Rahul Shukla, Vivek K Pawar, Priyanka Tripathi, **Prabhat Ranjan Mishra*** Development of docetaxel nanocapsules for improving in vitro cytotoxicity and cellular uptake in MCF-7 cells **Drug Dev. Ind. Pharm** 41(11):1759-68 (2015)**.** ***(Corresponding author)***	**2.36**
42.	Prashant Shukla, Ajeet K Verma, Jayant Dewangan, Srikanta K Rath, **Prabhat R Mishra*** Chitosan coated curcumin nanocrystals augment pharmacotherapy via improved pharmacokinetics and interplay of NFκB, Keap1 and Nrf2 expression in Gram negative sepsis **RSC Advances** 5 (70) 57006-57020 (2015). ***(Corresponding author)***	**3.36**
43.	Rahul Shukla, J Gupta, P Shukla, P Dwivedi, P Tripathi, Shailja M Bhattacharya, **Prabhat R Mishra*** Chitosan coated alginate micro particles for the oral delivery of antifilarial drugs and combinations for intervention in Brugiamalayi induced lymphatic filariasis **RSC Advances** 5 (85), 69047-69056 (2015). ***(Corresponding author)***	**3.36**
44.	Shweta Sharma, B Venkatesh Teja, Gitu Pandey, Naresh Mittapelly, Ritu Trivedi,**PR Mishra*** An Insight into functionalized Calcium based Inorganic Nanomaterials in Biomedicine: Trends and Transitions **Colloids and Surfaces B: Biointerfaces** 133, 120–139 (2015) ***(Corresponding author)***	**5.27**
45.	Gupta PK, Jaiswal AK, Asthana S, Teja B V, Shukla P, Shukla M, Sagar N, Dube A, Rath SK, **Mishra PR*** Synergistic enhancement of parasiticidal activity of amphotericin B using copaiba oil in nanoemulsified carrier for oral delivery: an approach for non-toxic chemotherapy. **Br J Pharmacol**. 72(14):3596-610. (2015) ***(Corresponding author)***	**8.74**
46.	Pramod Kumar Gupta, Anil K Jaiswal, Shalini Asthana, Anuradha Dube, **Prabhat Ranjan Mishra*** Antigen presenting cells targeting and stimulation potential of lipoteichoic acid functionalized lipo-polymerosome: A chemo-immunotherapeutic approach against intracellular infectious disease. **Biomacromolecules**13;16(4):1073-87 (2015) ***(Corresponding author)***	**6.99**
47.	Keerti Jain, Ashwni Kumar Verma**, P R Mishra**, N K JainSurface engineered dendrimeric nanoconjugates for macrophage targeted delivery of Amphotericin B: Formulation Development, In Vitro and In Vivo Evaluation **Antimicrobial Agents and Chemotherapy** 59(5):2479-87 (2015)	**4.90**
48.	Keerti Jain, A.K. Verma, P.R. Mishra**,** N.K. Jain Characterization and evaluation of amphotericin B loaded MDP conjugated poly (propylene imine) dendrimers. **Nanomedicine: Nanotechnology, Biology, and Medicine** 11(3), 705-71 (2015).	**6.45**
49.	Vikram Khedgikar, Naseer Ahmad, Priyanka Kushwaha, Jyoti Gautam, Geet K. Nagar, Divya Singh, Prabodh K. Trivedi, **Prabhat R. Mishra**, Neelam S. Sangwan, Ritu TrivediPreventive effects of Withaferin A isolated from the leaves of an Indian Medicinal Plant Withania somnifera (L.): Comparisons with 17-β-Estradiol and Alendronate **Nutrition** 31(1):205-13 (2015).	**4.00**
50.	Pankaj Dwivedi, Renuka Khatik, Priyanka Chaturvedi, Kiran Khandelwal, Isha Taneja, Kanumuri Siva Rama Raju, Hemlata Dwivedi, Sunil kumar Singh, Pramod Kumar Gupta, Prashant Shukla, Priyanka Tripathi, Sarika Singh, Renu Tripathi, S.K.Paliwal, Anil Kumar Dwivedi, **Prabhat Ranjan Mishra*** Arteether nanoemulsion for enhanced efficacy against *Plasmodium yoeliinigeriensis* malaria: An approach by enhanced bioavailability **Colloids and Surfaces B: Biointerfaces**126 467-475 (2015) ***(Corresponding author)***	**5.27**
51.	Shweta Sharma, Ashwni Verma, B Venkatesh Teja**, Prabhat Ranjan Mishra*** Development of stabilized Paclitaxel Nanocrystals: In-vitro and in-vivo efficacy studies **Eur. J. Pharm. Sci.** 2;69:51-60 (2015) ***(Corresponding author)***	**4.38**

52.	Pramod K Gupta, Anil K Jaiswal, Shalini Asthana, Ashwni Verma, Vivek Kumar, Prashant Shukla, Pankaj Dwivedi, Anuradha Dube, **Prabhat R Mishra*** Self Assembled Ionically Sodium Alginate Cross-Linked Amphotericin B Encapsulated Glycol Chitosan Stearate Nanoparticles: Applicability in Better Chemotherapy and Non-Toxic Delivery in Visceral Leishmaniasis. **Pharm Res** 32, (5) 1727-1740 (2015). ***(Corresponding author)***	**4.20**
53.	Atul Goel, Ashutosh Sharma, ManojKathuria, Arindam Bhattacharjee, Ashwni Verma, **Prabhat R Mishra**, Aamir Nazir, Kalyan Mitra New Fluoranthene FLUN-550 as a Fluorescent Probe for Selective Staining and Quantification of Intracellular Lipid Droplets **Organic Letters** 16 (3), 756–759 (2014)	**6.00**
54.	NK Mehra, AK Verma, **PR Mishra**, NK Jain The cancer targeting potential of d-α-tocopheryl polyethylene glycol 1000 succinate tethered multi walled carbon nanotubes **Biomaterials** 35 (15), 4573-4588 (2014).	**12.5**
55.	R Khatik, P Dwivedi, P Khare, S Kansal, A Dube, **PR Mishra**, AK Dwivedi Development of targeted 1, 2-diacyl-sn-glycero-3-phospho-l-serine-coated gelatin nanoparticles loaded with amphotericin B for improved in vitro and in vivo effect in leishmaniasis **Exp. Opin. Drug Deliv**. 11(5):633-46.(2014)	**6.65**
56.	L Al Shaal, **PR Mishra**, RH Müller, CM Keck Nanosuspensions of hesperetin: preparation and characterization **Pharmazie** 69 (3) 173-182 (2014).	**1.5**
57.	Pramod K Gupta, Anil K Jaiswal, Vivek Kumar, Ashwni Verma, Pankaj Dwivedi, Anuradha Dube, **Prabhat R Mishra*** Covalent functionalized Self-assembled Lipo-polymerosome bearing Amphotericin B for better management of leishmaniasis and its toxicity evaluation **Mol. Pharm.**11 (3), 951–963 (2014). ***(Corresponding author)***	**4.93**
58.	Vikas Jain, Prashant Shukla, R. Pal and **Prabhat Ranjan Mishra** Cationic nanoemulsions bearing ciprofloxacin surf-plexes enhances its therapeutic efficacy in conditions of E. coli induced peritonitis and sepsis **Pharm Res**. 31(10), 2630-2642 (2014). ***(Corresponding author)***	**4.20**
59.	Pankaj Dwivedi, Renuka Khatik, Kiran Khandelwal, Isha Taneja, Kanumuri Siva Rama Raju, Sarvesh Kumar Paliwal, Anil Kumar Dwivedi, **Prabhat Ranjan Mishra*** Pharmacokinetics study of arteether loaded solid lipid nanoparticles: An improved oral bioavailability in rats. **Int. J. Pharm**. 466 (1), 321-327 (2014). ***(Corresponding author)***	**5.86**
60.	S Kansal, R Tandon, A Verma, P Misra, AK Choudhary, R Verma, PRP Verma, A Dube, **PR Mishra*** Coating doxorubicin loaded nanocapsule with alginate enhances therapeutic efficacy against Leishmania in hamsters by inducing Th1 type immune responses **Br. J. Pharmacol.** 171(17):4038-50. (2014)**.** ***(Corresponding author)***	**8.74**
61.	Pramod K. Gupta , Shalini Asthana , Anil K. Jaiswal , Vivek Kumar , Ashwni Verma, Prashant Shukla , Pankaj Dwivedi , Anuradha Dube , and **Prabhat R. Mishra*** Exploitation of Lectinized Lipo-polymerosome bearing Amphotericin B to Target Macrophages for Effective Management of Visceral Leishmaniasis **Bioconjugate Chem.** 25 (6), 1091–1102 (2014) ***(Corresponding author)***	**4.77**
62.	Prashant Shukla, Vineet Mathur, Amit Kumar, Vikram Khedgikar, B. Venkatesh Teja, Dharmendra Chaudhary, Priyanka Kushwaha, Himangsu K. Bora, Rituraj Konwar, Ritu Trivedi, and **Prabhat Ranjan Mishra***Nanoemulsion Based Concomitant Delivery of Curcumin and Etoposide: Impact on Cross Talk Between Prostate Cancer Cells and Osteoblast During Metastasis **J. Biomed. Nanotechnol.** 10 (11) 3381-3391, (2014). ***(Corresponding author)***	**4.48**
63.	Prashant Shukla, G. M. Rao, Gitu Pandey, Shweta Sharma, N. Mittapelly, R.Shegokar, **Prabhat Ranjan Mishra*** Therapeutic Intervention of Sepsis:	**8.74**

	Current and Anticipated Pharmacological Agents **Br. J. Pharmacol**. 171, 5011-5031 (2014) ***(Corresponding author)***	
64.	Prashant Shukla, Pankaj Dwivedi, Pramod Kumar Gupta, **Prabhat Ranjan Mishra*** Optimization of novel tocopheryl acetate nanoemulsions for parenteral delivery of curcumin for therapeutic intervention of sepsis. **Exp. Opin. Drug Deliv** 11(11):1697-712 (2014). ***(Corresponding author)***	**6.65**
65.	Vivek Kumar, Pramod K. Gupta, Vivek K. Pawar, Ashwni Verma, Renuka Khatik, Priyanka Tripathi, Prashant Shukla, Bholenath Yadav, Jeetesh Parmar, Rohit Dixit, **P. R. Mishra***, Anil Kumar DwivediIn-Vitro and In-Vivo Studies on Novel Chitosan-g-Pluronic F-127 Copolymer Based Nanocarrier of Amphotericin B for Improved Antifungal Activity **J. Biomim. Biomat. Tissue Eng**. 4:210-216 (2014).	**0.82**
66.	Priyanka Tripathi, Ashwni Verma, Pankaj Dwivedi, Deepak Sharma, Vivek Kumar, Rahul Shukla, Venkatesh TejaBanala, Gitu Pandey, Shakti Deep Pachauri, Sandeep K. Singh, **P. R. Mishra*** Formulation and Characterization of Amphotericin B Loaded Nanostructured Lipid Carriers Using Microfluidizer **J. Biomim. Biomat. Tissue Eng**. 4:194-197 (2014). ***(Corresponding author)***	**0.82**
67.	Prashant Shukla, Ajeet Kumar Verma, Pankaj Dwivedi, Arti Yadav, Pramod Kumar Gupta, Srikanta Kumar Rath, and **Prabhat Ranjan Mishra*** Moxifloxacin-Loaded Nanoemulsions Having Tocopheryl Succinate as the Integral Component Improves Pharmacokinetics and Enhances Survival in E. coli-Induced Complicated Intra-Abdominal Infection **Mol. Pharm**, 11 (12), 4314–4326 (2014)**. *(Corresponding author)***	**4.94**
68.	P Kushwaha, V Khedgikar, J Gautam, P Dixit, R Chillara, A Verma, R Thakur D P Mishra, D Singh, R Maurya, N Chattopadhyay, **P R Mishra**, R Trivedi A novel therapeutic approach with Caviunin-based isoflavonoid that en routes bone marrow cells to bone formation via BMP2/Wnt-β-catenin signaling **Cell Death & Disease** 09/2014; 5:e1422.	**6.30**
69.	Pankaj Dwivedi, Renuka Khatik, Kiran Khandelwal, Richa Srivastava, Isha Taneja, Kanumuri Siva Rama Raju, Hemlata Dwivedi, Prashant Shukla, Pramod Gupta, Sarika Singh, Renu Tripathi, Sarvesh Kumar Paliwal, Wahajuddin, Anil Kumar Dwivedi and Prabhat Ranjan Mishra* Self-nanoemulsifying drug delivery systems (SNEDDS) for oral delivery of arteether: pharmacokinetics, toxicity and antimalarial activity in mice **RSC Adv. 4**, 64905-64918 (2014). ***(Corresponding author)***	**3.36**
70.	Girish K Gupta, Avinash Kumar, Vikram Khedgikar, Priyanka Kushwaha, Jyoti Gautam,Geet K Nagar, Varsha Gupta, Ashwini Verma, Anil Kumar Dwivedi, Amit Misra, Ritu Trivedi and Prabhat Ranjan Mishra* Enhancement of osteogenic efficacy of kaempferol through engineered layer-by-layer matrix: A study in ovariectomized rats. **Nanomedicine** 8(5),757-771(2013). ***(Corresponding author)***	**5.30**
71.	Monika Sharma, Ritu Malik, Ashwni Verma, Pankaj Dwivedi, Gabbar Singh Banoth, Nagendra Pandey, Jayant Sarkar, **Prabhat Ranjan Mishra**, and Anil Kumar Dwivedi Folic Acid Conjugated Guar Gum Nanoparticles for Targeting Methotrexate to Colon Cancer **J. Biomed. Nanotechnol.** 9, 96-106 (2013)	**4.48**
72.	Shaswat Kansal, Rati Tandon, Priya Ranjan Prasad Verma, Anuradha Dube and **Prabhat Ranjan Mishra**, Development of Doxorubicin Loaded Novel Core Shell Structured Nanocapsules for the intervention of Visceral Leishmaniasis **J. Microencapsul**. 30(5):441-50 (2013) ***(Corresponding author)***	**2.81**
73.	Khedgikar V, Kushwaha P, Gautam J, Verma AChangkija B, Kumar A, Sharma S, Nagar GK, Singh D, Trivedi PK, Sangwan N S, **Mishra PR**, Trivedi R.	**6.30**

	Withaferin A: a proteasomal inhibitor promotes healing after injury and exerts bone anabolic effect. **Cell Death and Dis.** 4, e778; doi:10.1038/cddis.2013.294(2013)	
74.	R Khatik, R Mishra, A Verma, P Dwivedi, V Kumar, V Gupta, SK Paliwal, **PR Mishra**. Colon-specific delivery of curcumin by exploiting Eudragit-decorated chitosan nanoparticles in vitro and in vivo **J. Nanoparticle Res.** 15 (9), 1893 (2013) ***(Corresponding author)***	**2.25**
75.	Deepak Singodia, Prashant Khare, Anuradha Dube, Kalyan Mitraand **Prabhat Ranjan Mishra** Investigations on Feasibility of *in-situ* Development of Amphotericin B Liposomes for Industrial Applications, **J Liposome Res**. 22 (1) 8-17, 2012**. *(Corresponding author)***	**3.29**
76.	D. Singodia, A. Verma, R.K. Verma, **P. R. Mishra**Investigations on Alternate Approach to Target Mannose Receptors on Macrophages using 4-Sulfated N-Acetyl Galactosamine more Efficiently as Compared to Mannose Decorated Liposomes : An Application in Drug Delivery, **Nanomedicine, Nanotechnology, Biology and Medicine** 8 (4) 468-477 (2012)**. *(Corresponding author)***	**6.45**
77.	Vikas Jain, Nitin K. Swarnakar, **Prabhat R. Mishra,** Ashwni Verma, Ankur Kaul, Anil K. Mishra, Narendra K. Jain Paclitaxel loaded PEGylated gleceryl monooleate based nanoparticulate carriers in chemotherapy **Biomaterial**s 33(29): 7206-20 (2012)	**12.5**
78.	Shaswat Kansal, Rati Tandon, Pankaj Dwivedi, Pragya Misra, P.R.P Verma, Anuradha Dube and Prabhat Ranjan Mishra Development of oil templated nanocapsules bearing doxorubicin for macrophage targeting through Phosphatidylserine ligand: A system for intervention in Visceral Leishmaniasis **J. Antimicrob. Chemother**. 67 (11), 2650-2660 (2012) ***(Corresponding author)***	**5.79**
79.	Avinash Kumar, Girish K Gupta, Vikram Khedgikar, Jyoti Gautam, Priyanka Kushwaha,Bendangla Changkija, Geet K Nagar, Varsha Gupta, Ashwni Verma,Anil Kumar Dwivedi, Naibedya Chattopadhyay , **Prabhat R Mishra**, Ritu Trivedi. In-vivo efficacy studies of layer-by-layer nano-matrix bearing kaempferol for the conditions of osteoporosis: A study in ovariectomized rat model. **Eur. J. Pharm. Biopharm**. 82 508-517 (2012)	**5.57**
80.	Pankaj Dwivedi, ShaswatKansal, Monika Sharma, Rahul Shukla, Ashwini Verma, Prashant Shukla, Priyanka Tripathi, Pramod Gupta, Deepika Saini, Kiran Khandelwal, Rahul Verma, Anil Kumar Dwivedi and **Prabhat Ranjan Mishra** Exploiting 4-sulphate N-acetyl galactosamine decorated gelatin nanoparticles for effective targeting to professional phagocytes *in vitro* and *in vivo*. **J. Drug Targeting** 20, (10) 883–896 (2012).	**3.38**
81.	R. Shegokar, L. Al Shaal and **P.R. Mishra**. SiRNA Delivery Challenges and Role of carrier Systems **Pharmazie** 66(5):313-8(2011).	**1.2**
82.	Girish Kumar Gupta, Vikas Jain, **Prabhat R Mishra**, Templated Ultrathin Polyelectrolyte Nanoreservoir for Protein Delivery: Fabrication and Performance Evaluation. **AAPS Pharm Sci Tech** 12, 344-353 (2011).	**3.25**
83.	**P.R Mishra** An Investigation on the approach to target Lipopolysaccharide through Polymeric capped Nano-structured formulation for the management of sepsis. **J Biomed Nanotechnol** 7(1), 47-49 (2011). ***(Corresponding author)***	**4.48**
84.	D. Singodia, S.Talegaonkar, R.K.Khar and **P.R. Mishra** Novel Polymer Coupled Lipid Nanoparticle of Paclitaxel with Synergistic Enhanced Efficacy against Cancer. **J Biomed Nanotechnol** 7(1), 125-126, (2011). ***(Corresponding author)***	**4.48**

85.	D. Singodia, P.Khare, A.Dube, S.Talegaonkar, R.K.Khar and **P.R. Mishra**. Development and Performance Evaluation of Alginate-Capped Amphotericin B Lipid Nano-constructs against Visceral Leishmaniasis. **J Biomed Nanotechnol.** 7(1), 123-124, 2011. ***(Corresponding author)***	**4.48**
86.	V. Jain, D. Garg, G. Gupta, R. Pal, G.B. Shiva Kinshasa, P.K. Shukla and **P.R. Mishra:** Surfactant based ion pair complexes for improved retention in Submicron Emulsion: A study with Ciprofloxacin **Int. J. Pharm.**409, 237–244 (2011)**. *(Corresponding author)***	**5.87**
87.	D. Singodia, G. K. Gupta, A.Verma, V.Singh, P. Shukla, P.Misra, S.Sundar,A. Dube and **P.R. Mishra**. Development and Performance Evaluation of Amphotericin B Transfersomes against Resistant and Sensitive Clinical Isolates of Visceral Leishmaniasis. **J. Biomed. Nanotechnol**. 6, 293-302 (2010). ***(Corresponding author)***	**4.48**
88.	P. Shukla, G.K. Gupta, D. Singodia, R. Shukla, A. Verma, P. Dwivedi, S.Kansal and **P. R. Mishra** Emerging trend in Nano-engineered Polyelectrolyte based Surrogate carriers for Delivery of Bioactives. **Expert Opin. Drug Deliv**. 7(9):993-1011 (2010). ***(Corresponding author)***	**6.65**
89.	S.S. Bisht, N. Dwivedi, V. Chaturvedi, N. Anand, M. Misra, R. Sharma, B. Kumar, R. Dwivedi, S. Singh, S. Sinha, V. Gupta, **P.R. Mishra**, A.K. Dwivedi, R.P. Tripathi. Synthesis and optimization of antitubercular activities in a series of 4-(aryloxy) phenyl cyclopropyl methanols, **Eur. J. Med. Chem.** 45, 5965-5978(2010).	**6.51**
90.	**P.R. Mishra**, G.K. Gupta and V. Jain: Stearic acid and glyceryl monostearate based Self Assembled Vesicles: Preparation and In-vitro evaluation **J. Disp. Sci. Technol**. 30:1449–1457, (2009).	**1.89**
91.	Vikas Jain,V. Prasad, P. Jadhav and **P.R Mishra.** Preparation and Performance evaluation of saquinavir laden cationic miniemulsion. **Drug Delivery** 16(1), pp. 37 - 44. (2009**)**. ***(Corresponding author)***	**4.90**
92.	Vikas Jain, B Nath, MA Siddiqui, PP Shah, A.B Pant and **P.R. Mishra**. Galactosylated chylomicron mimicking emulsion for specific delivery of encapsulated taxol: an in vitro study **J. Pharm. Pharmacol** (2009) 61, 303-310. ***(Corresponding author)***	**3.76**
93.	**Prabhat R. Mishra**, Loaye Al Shaal, Rainer H. Müller, Cornelia M. Keck Productionand characterisation of Hesperetin nanosuspensions for dermal delivery. **Int. J. Pharm** (2009) 371, 182–189.	**5.87**
94.	K. Gupta, V.K. Gupta, P. Shukla, A.B. Pant and **P.R. Mishra** Investigations on cellular interaction of Polyelectrolyte based nano-walled reservoir using MCF-7 cell lines: A novel chemotherapeutic approach. **J. Pharm. Pharmacol**. 61, 1601-1607 (2009). ***(Corresponding author)***	**3.76**
95.	Girish K Gupta, Shaswat Kansal, Pragya Misra, Anuradha Dube and **Prabhat Ranjan Mishra**. Uptake of biodegradable gel assisted LBL nanomatrix by Leishmania donovani infected macrophages **AAPS Pharm Sci Tech.** 10 (4), 1343-1347 (2009). ***(Corresponding author)***	**3.25**

List of book chapters /reviews written : 08

1. Hydrogels based controlled delivery of therapeutic agents. In: **Progress in Controlled and Novel Drug Delivery Systems.** (Ed. N.K.Jain) Ist edition 341-360 (2004).
2. Biotinylated erythrocytes for specific delivery of drugs. In: **Progress in Controlled and Novel Drug Delivery Systems.** (Ed. N.K.Jain) Ist edition 248-258 (2004).
3. Provesicles as surrogate carrier for improved drug delivery. In: **Progress in Controlled and Novel Drug Delivery Systems.** (Ed. N.K.Jain) Ist edition 259-274 (2004).
4. Good Manufacturing and laboratory practices In: **Pharmaceutical product Development**. (Ed. N.K. Jain) Ist edition 468-502 (2005).
5. Pharmaceutical Validation In; **Pharmaceutical product Development** (Ed. N.K. Jain) Ist edition 503-528 (2005).
6. Shweta Sharma, Prashant Shukla, Amit Misra and **Prabhat Ranjan Mishra*** Interfacial and Colloidal Properties of Emulsified System: Pharmaceutical and Biological Perspective **In: Colloid and Interface Science in Pharmaceutical Research and Development. (Elsevier)** (First Edition) 149-168 (2014).
7. Ranjita Shegokar and **Prabhat Mishra** Lipid Nanoparticle Induced Immunomodulatory Effects of siRNA **In: Immune Aspects of Biopharmaceuticals and Nanomedicines Eds. By Raj Bawa, Janos Szebeni, Thomas J Webster, Gerald F. Audette (Taylor and Francis; First Edition)** https://doi.org/10.1201/b22372 Chapter 15 473-506 (2018).
8. Ritu Trivedi, Divya Rai, Shradha Sinha, **Prabhat R Mishra Control of Bone Remodeling During Pregnancy** In : Encyclopedia of Bone Biology (Elsevier) Ed Mone Zaidi (Academic Press) https://doi.org/10.1016/B978-0-12-801238-3.11230-9 (2020) 612-623

Membership of Scientific/Societies/other Professional bodies

- Life Member, The Society of Biological Chemist, Banalore, India (No 4268)
- Life Member, Indian Pharmaceutical Association (No. DLH/LM/0374).
- Life member Indian Society of Cell Biology (No. 2014037)
- Expert Member, Project Monitoring Committee, BIRAC, Department of Biotechnology, Govt. of India (Since 2016 to till date).
- Member, Board of Studies, Department of Pharmaceutics, Jamia Hamdard New Delhi (Since April 2018 to till date)
- Member of Technical committee (BIS) Medical biotechnology and nano-technology, Govt. of India. (Since 2012 to 2019)
- Member, Advisory Board of PhD student at Nirma University, Ahmedabad since June 2018.
- Invited Journal reviewer of various reputed international journals like ACS Applied Materials and Interfaces (ACS); Acta Biomaterialia (Elsevier); Colloids and Surfaces B: Biointerfaces (Elsevier); International Journal of Pharmaceutics (Elsevier); Antimicrobial Agents and Chemotherapy (Americal Society of Microbiology); Journal of Pharmacy and Pharmacology (Wiley), European Journal of Pharmaceutics and

Biopharmaceutics (Elsevier); , Expert Opinion in Drud Delivery (Taylor and Francis), Nanomedicine (Future Medicine), etc.

- Course Coordinator (Pharmaceutics) National Institute of Pharmaceutical Education and Research Raebareli (CSIR-CDRI-mentoring Institute) (2011 to 2017)
- Reconized Ph.D supervisor of Jawaharlal Nehru University-New Delhi, Banasthali Vidyapeeth-Jaipur, Jamia Hamdard-New Delhi and AcSIR. New Delhi.
- Member, Institutional Academy of Scientific and Innovative Research (AcSIR) committee.
- In-charge, Quality Assurance Unit of the institute for GLP activity in the area of formulation development, toxicity and safety pharmacology.
- Member Academic committee, Jawaharlal Nehru University, New Delhi (JNU-CIMAP)