

Dr. PRASHANT KRISHNARAO DESHMUKH

M. Pharm., Ph.D. (Pharmaceutical Sciences)

Objective: To work at responsible position in progressive research based organization and to contribute in the field of academic and research.

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Present Address:

Dr. Prashant K. Deshmukh
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59-B Pitreshwar colony, near
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Dhule-425 405 (M.S.).

Permanent Address:

Dr. Prashant K. Deshmukh
'Krishnashobha', Near Bappu
Dairy, Ambika Nagar, Dabki
Road, Akola- 444 002 (Ms).

Address For Communication:

Dr. Prashant K. Deshmukh
H. R. Patel Institute of
Pharmaceutical Education and
Research, Shirpur
Dist – Dhule, 425 405 (MS)

Personal Details:

PRESENT STATUS AND EXPERIENCE

1. Approved Associate Professor and P.G. Teacher in Pharmaceutics (KBCNMU, Jalgaon) at H. R. Patel Institute of Pharmaceutical Education and Research, Karwand Naka, Shirpur. Dist- Dhule 425405 Maharashtra.
2. KBCNMU, Jalgaon approved Ph. D. guide.
3. VC nominated Member, Board of studies, Pharmaceutics under the faculty of science and technology.
4. Head, Department of Pharmaceutics, HRPIPER, Shirpur.
5. Guided 29 M. Pharm students and presently guiding 01 Ph. D. and 03 P.G. students for major dissertations.
6. Total teaching/research experience of 13 years.
7. Chief Coordinator, AICTE funded Industry Institute Partnership Cell (IIPC)
8. Industrial experience of 01 year at Hindustan Herbal Pvt. Ltd. Akola.

PROFESSIONAL AFFILIATION AND APPROVALS

1. Life Member of APTI (MA-LM/840)
2. Life Member of Community Pharmacists of India (MH/LM/006)
3. Registered Pharmacist- Maharashtra State Pharmacy Council. (Reg. No. 72115)

University Approvals: Approved Assistant Professor in Pharmaceutics, NMU, Jalgaon. (Letter No. NMU/ 18/648/2008 from 02/04/2007 to till date)

P. G. Teacher Recognition: NMU, Jalgaon recognized Post Graduate teacher in Pharmaceutics (Letter No. NMU/ 11/PGR/Pharm/4080/2011 from 01/12/2011 to till date)

Ph. D. Guide Recognition: NMU, Jalgaon recognized Ph.D. guide under the faculty of Science & Technology (Letter No. NMU/ 11/PhD/581/2018 from 08/09/2017 to till date)

Gender: Male

Nationality: Indian

Marital Status: Married

DOB: 01/08/1981

RESOURCE PERSON

1. 'Ethical, safety and regulatory issues in nanomedicines', AICTE, New Delhi sponsored, 'Two days national seminar on Pharmaceutical Nanotechnology' at Sudhakar Rao Naik Institute of Pharmacy, Pusad (Maharashtra) held on 25th and 26th September 2009.
2. 'New drug development & approval processes', N. M. Padalia College of pharmacy, Ahmadabad, Gujarat.
3. 'Nanoarchitectonics in Pharmaceutical Research', JSPM's Rajarshi Shahu College of Pharmacy and Research, Tathawade, Pune.
4. 'Nanoarchitectonics in Pharmaceutical Research', AICTE, New Delhi sponsored, 'Faculty Development Programme on Nanonisation techniques and Pharmaceutical Product Development: Advances, Opportunities and Challenges', Bharti Vidyapeeth Collage of Pharmacy, Kolhapur 6th Dec. 2013.
5. 'Nanoarchitectonics: Theranostic Applications', AICTE, New Delhi sponsored, 'Faculty Development Programme on Advances in polymer based drug delivery systems', Satara Collage of Pharmacy, Satara 7th Dec. 2013.
6. 'Artificial Neural Network: Application in Pharmaceutical Research', University of Pune Sponsored 'State Level Seminar on Optimization Techniques in Pharmaceutical Formulations and Processing', Sanjivani College of Pharmacy, Kopergaon 14 Nov. 2014.
7. 'Nanoarchitectonics in pharmaceutical research', Sanjivani College of Pharmacy, Kopergaon 20 Sep. 2015.
8. 'Pharmaceutical Nanotechnology', One day state level seminar on 'Recent approaches in nanotechnology', Matoshri college of Pharmacy, Nashik, 25 March 2016.
9. 'Nanotechnology', Sanjivani College of Pharmacy, Kopergaon 14 Oct. 2016.
10. 'Nanoarchitectonics' at a one week short term training programme in collaboration with UGC-HRDC, Savitribai Phule Pune University, Pune on, "Advances in Nanoscience and Nanotechnology", held at Department of Physics of A.S.

Languages Known:

English, Hindi, Marathi

Promotions till date:

Lecturer- Assistant Professor

Asst. Prof – Asso. Prof.

Mandal's, Arts and Commerce College Trust's, C. H. C. Arts, S. G. P. Commerce, and B. B. J. P. Science College, Taloda, 22 Dec. 2017.

11. 'NBA Process' at Hi-tek college of Pharmacy, Padoli naka, Chandrapur, 30 Dec. 2017.
12. 'Nanoarchitectonics' at SPPU sponsored two days state level seminar on 'Industrial innovations and transitions in advanced drug delivery system for drug discovery and development', held at RMDIPER, Chinchwad, Pune, 9 Feb. 2019.

CONFERENCES ORGANIZED/JOURNAL EDITOR

Conferences organized:

1. Organized Scifinder sponsored one day National level seminar "Innovative concepts & methodologies in pharmaceutical research (ICMPR2015)" on 4th March 2015 at HRPIPER, Shirpur.
2. Organized Phoenix India Solutions sponsored one day National level conference "Innovative concepts & methodologies in pharmaceutical research (ICMPR-II)" on 19th March 2016 at HRPIPER, Shirpur.
3. Coordinated DST Sponsored 5 Days INSPIRE internship camp for 11th std science students from February 15 – 27, 2016.
4. Coordinated DST Sponsored 5 Days INSPIRE internship camp for 11th std science students from September 27 to October 1, 2016.
4. Coordinated DST Sponsored 5 Days INSPIRE internship camp for 11th std science students from January 02 to January 6, 2018.
5. Co-coordinator of 3rd one day National level seminar "Innovative concepts & methodologies in pharmaceutical research (ICMPR2018)" on 10th March 2018 at HRPIPER, Shirpur.

Journal Editorial Board member:

1. Austin Journal of Biosensors and Bioelectronics
2. Nanomedicine and Nanotechnology Journal

EDUCATION QUALIFICATION

Skill Sets

Administrative and Academic:

- NMU Approved Assistant Professor
- NMU Approved P G Teacher
- NMU recognized Ph. D. Guide
- VC nominated Member, Board of studies, under the faculty of science and technology
- Head, Department of Pharmaceutics
- Guided 26 M. Pharm students
- Supervised 20 B. Pharm students
- Total 12 Years of teaching/research experience
- Chief Coordinator, AICTE funded Industry Institute Partnership Cell (IIPC)
- Working as

HOD (Pharmaceutics)

Post-Graduate Incharge,

Placement Incharge,

NBA coordinator,

Store Incharge,

Ph. D. (2015) – R. C. Patel institute of Pharmaceutical Education and Research, Shirpur, (North Maharashtra University, Jalgaon, Maharashtra)

Research Topic: Formulation and evaluation of novel ophthalmic drug delivery system

Master of Pharmacy (2004-2006) – 8.66 out of 10 CGPA scale with specialization in Pharmaceutics from College of Pharmaceutical Sciences, Berhampur, (Biju Patnaik University of Technology, Rourkela) Orissa.

Research Topic: “Design and evaluation of oil entrapped floating drug delivery system”

Bachelor of Pharmacy (2003) – 63.84 % from P. D. W. College of Pharmacy, Yavatmal, Amaravati University, Maharashtra

Qualified GATE 2003 with 90.98 percentile score, conducted by IIT, Chennai

AWARDS

1. Troikaa Pharmaceuticals Ltd. and Department of Science and Technology sponsored ‘Raj nibhai V. Patel’ **Best Research Guide Award** for National level competition ‘Pharminnova’, 2013-14.
2. Troikaa Pharmaceuticals Ltd. and Department of Science and Technology sponsored ‘Raj nibhai V. Patel’ **Best Research Guide Award** for National level competition ‘Pharminnova’, 2014-15.
3. Troikaa Pharmaceuticals Ltd. and Department of Science and Technology sponsored ‘Raj nibhai V. Patel’ **Best Research Guide Award** for National level competition ‘Pharminnova’, 2015-16.
4. **Best Teacher Award 2016**, awarded by North Maharashtra University, Jalgaon.
5. **BIRAC SHIRISTI GYTI Appreciation Award 2017** with sum of Rs. 100,000.00 for “Fabrication of Novel GelatinHybrid Microsponge (SIFROGEL): A socioeconomic Approach” with award letter no. BIRAC SRISTI PMU – 2017/025.

RESEARCH GRANTS

1. **Co-Principal Investigator: Rs. 7 Lakh under Research Promotion Scheme of AICTE**, New Delhi for the project entitled, 'Design development and evaluation of nanotechnology based brain targeted drug delivery system'. (8-133/RIFD/RPS/POLICY-3/2013-14)
2. **Principal Investigator: Rs. 47 Lakh under Nanomission scheme, DST**, New Delhi for the project entitled, 'Synthesis and characterization of 2D-carbon backbone based hybrid magnetic nanocomposites for selective tumour theranostics'. (SR/NM/NS-1302/2014(G))
3. **BIRAC SHIRTI GYTI Appreciation Award 2017 with sum of Rs. 1 Lakh.**
4. **Co-Principal Investigator: Rs. 27 Lakh under Extramural Research Grant**, ICMR for the project entitled, 'Fabrication of surface decorated graphene oxide nanocomposites for label free prognosis of Alzheimer's disease'. (5/4-5/159/Neuro/2016-NCD-1)

RESEARCH COLLABORATION

'Use of diatoms for self disappearing wound dressing' with Dr. P. R. Puranik, Head, Department of Biotechnology, School of Life Sciences (Ref - <http://nmu.ac.in/sols/en-us/research/researchcollaborations.aspx>).

Status: Work completed Patent filed to IPO, India (323/MUM/2014)

AREA OF INTREST

- Synthesis of nanomaterials and its use as drug delivery carrier
- Development of 2 D Carbon backbone based nanomaterials for cancer theranostics.
- Synthesis and surface modification of polymeric and inorganic nanomaterials for targeted disease condition.
- Design and development of robust methods for synthesis and modification of graphene based materials and their biomedical applications
- Use of Nanoarchitronics and Artificial Neuronal Network in Pharmaceutical Sciences

PATENTS

Patents:

1. In vitro diffusion cell for topical formulations (Published, 1214/MUM/2010)
2. Self disappearing wound dressing and method of preparation (323/MUM/2014)

BOOKS/CHAPTERS

1. Contributed a Chapter entitled 'Magnetomicelles: Theranostic Applications' in "**Encyclopedia of Biomedical Polymers and Polymeric Biomaterials**" (Taylor & Francis, CRC Group Publishers, March 2015).
2. Contributed a Chapter entitled 'Antibody mediated diagnosis of biomolecules' in '**Nanobiosensors for Biomolecular Targeting**' (Elsevier Publishers, April 2018).

Instrument handling:

Microwave Synthesizer (CEM corporation, USA),

FTIR,

Particle Size Analyser (Particulate System, Micromeritics, USA),

Rotary Vacuum Evaporator,

HPLC,

UV,

Texture Analyser (Brookfield),

Tablet Compression Machine (Karnavati, Mumbai) etc.

Computational skill:

MS word, power point, excel computational softwares etc.

Examiner:

PUBLICATIONS (NATIONAL/INTERNATIONAL)

1. "Graphene-based nanocomposites for sensitivity enhancement of surface plasmon resonance sensor for biological and chemical sensing: A review", Pravin O.Patil, Gaurav R.Pandey, Ashwini G.Patil, Vivek B.Borse, **Prashant K.Deshmukh**, Dilip R.Patil, Rahul S.Tade, Sopan N.Nangare, Zamir G.Khan, Arun M.Patil, Mahesh P.More, **Biosensors and Bioelectronics, Accepted (IF 9.51)**.
2. "Design and Development of Thiolated Graphene Oxide Nanosheets for Brain Tumor Targeting", Ajinkya N. Nikam, Mahesh P. More, Abhijeet P. Pandey, Pravin O. Patil, Ashwini G. Patil, **Prashant K. Deshmukh, International Journal of Polymeric Materials and Polymeric Biomaterials, Accepted (IF 2.12)**.
3. "Eco-Friendly In Situ Fabrication of Reduced Graphene Oxide Gold Nanocomposites for Catalysis and Dye Degradation", Sanjay B. Bari Pravin O. Patil, Sanchita S. Mahale, Mahesh P. More, Pravin V. Bhandari, **Prashant K. Deshmukh, Russian Journal of Physical Chemistry, A 92 (13), 2750–2756 (IF 0.58)**.
4. "Development of graphene-drug nanoparticle based

- North Maharashtra University, Jalgaon
- Shivaji University, Kolhapur
- Savitribai Phule University, Pune
- Gondawana University, Gadchiroli
- Swami Ramanand Teerth Marathwada University, Nanded
- SVKM's NMIMS, Mumbai

- supramolecular self assembled pH sensitive hydrogel as potential carrier for targeting MDR tuberculosis”, Mahesh P. More, Ramesh V. Chitalkar, Mahesh S. Bhadane, Sanjay D. Dhole, Ashwini G. Patil, Pravin O. Patil & **Prashant K. Deshmukh, Materials Technology Advanced Performance Materials, 34, 6, 324-335 (IF 1.23).**
5. “Controlled synthesis of blue luminescent graphene quantum dots from carbonized citric acid: Assessment of methodology, stability, and fluorescence in an aqueous environment”, MP More, PH Lohar, AG Patil, PO Patil, **PK Deshmukh, Materials Chemistry and Physics, 220, 11-22. (IF 2.21).**
 6. “Facile green synthesis of graphene metal nanocomposites and their promising applications”, Journal of Pharmaceutical and Biological Sciences, Ashwini G. Patil, **Pravin O. Patil, Mahesh P. More, Prashant K. Deshmukh, Sanchita S. Mahale, Pravin V. Bhandari, Journal of Pharmaceutical and Biological Sciences, 6 (2), 30-38.**
 7. “Fabrication and In vitro drug release characteristics of magnetic nanocellulose fiber composites for efficient delivery of nystatin”, RS Tade, MP More, VK Chatap, PO Patil, **PK Deshmukh, Materials Research Express ,5 (11), 116102. (IF 1.15).**
 8. “Ecofriendly in situ fabrication of reduced graphene oxide gold nanocomposite for catalysis and dye degradation” Pravin O. Patil, Sanchita S. Mahale, Mahesh P. More, Pravin V Bhandari, **Prashant K. Deshmukh, Sanjay B. Bari. Russian Journal of Physical Chemistry (IF 0.581, Status: Accepted for publications).**
 9. “Development of novel thiolated carboxymethyl-gellan gum as potential mucoadhesive polymer: Application of DoE”, Mahesh P. More, Manoj S. Bhamare, Chetan J. Bhavsar, Pravin O. Patil and **Prashant K. Deshmukh, Advanced Materials Science, Volume 2(3): 1-9, 2017.**
 10. "Development of Surface Engineered Mesoporous Alumina Nanoparticles: Drug Release Aspects and Cytotoxicity

Awards:

- BIRAC SHIRISTI GYTI Appreciation Award 2017
- Best Teacher Award 2016
- Best Research Guide Award 2015-16
- Best Research Guide Award 2014-15
- Best Research Guide Award 2013-14

- Assessment", More Mahesh, Payal Ganguly, Pandey Abhijeet, Dandekar Prajackta, Jain Ratnesh, Patil Pravin, **Deshmukh, Prashant**, *IET Nanobiotechnology*, vol. 11, no. 6, pp. 661-668, 9 2017 (IF 1.558).
11. "Green fabrication of graphene-based silver nanocomposites using agro-waste for sensing of heavy metals Assessment of antibacterial potential and biomedical application", Patil Pravin, Bhandari Pravin, **Deshmukh, Prashant**, Mahale Sanchita, Patil Ashwini, Bafna Harshada, Patel Kajal, Bari, Sanjay, **Research on Chemical Intermediates**, July 2017, Volume 43, Issue 7, pp 3757–3773 (IF 1.8).
 12. "Fabrication and characterization Graphene based hybrid nanocomposite: Assessment of antibacterial potential and biomedical application", More Mahesh, Patil Mahendra, Pandey Abhijeet, Patil Pravin, **Deshmukh, Prashant**, **Artificial Cells, Nanomedicine, and Biotechnology**, 2017 Dec;45(8):1496-1508 (IF 5.60).
 13. "Fabrication and Characterization of Shape Memory Polymers Based Bioabsorbable Biomedical Drug Eluting Stent" Sonawane Vratika, More Mahesh, Pandey Abhijeet, Patil Pravin, **Deshmukh Prashant**, **Artificial Cells, Nanomedicine, and Biotechnology**, 2017 Dec;45(8):1740-1750 (IF IF 5.60).
 14. "Optimization of desolvation process for fabrication of lactoferrin nanoparticles using quality by design approach", A. P. Pandey, M. P. More, K. P. Karande, R. V. Chitalkar, P. O. Patil & **P. K. Deshmukh**, **Artificial Cells, Nanomedicine, and Biotechnology**, 2017 Sep;45(6):1-14 (IF 5.60).
 15. Facile Green Synthesis of Reduced Graphene Oxide and Fabrication of Layer by Layer Self-Assembled rGO@Chitosan@rGO@Folic Acid Nanocomposite for Possible Biosensing Application P. O. Patil, N. M. Girase, A. G. Patil, **P. K. Deshmukh**, and S. B. Bari, **Journal of Bionanoscience Vol. 10, 1–8, 2016**.
 16. "Magnetically Responsive Siliceous Frustules for Efficient

- Chemotherapy”, Vivek S. Javalkote, Pravin R. Puranik, Abhijeet P. Pandey, **Prashant K. Deshmukh**, **Journal of Material Science and Engineering C**, **50** (2015) 107–116 (**I.F. 2.72**).
17. “Nanostructured Lipid Carriers as a Potential Vehicle for Carvedilol Delivery: Application of Factorial Design Approach”, Ganesh B. Patil, Nandkishor D. Patil, Prashant K. Deshmukh, Pravin O. Patil, Sanjay B. Bari, **Artificial Cells, Nanomedicine, and Biotechnology**, 2016; **44**: 12–19 (**I. F. 2.024**)
18. “Sonication-assisted drug encapsulation in layer-by-layer self-assembled gelatin-poly (styrenesulfonate) polyelectrolyte nanocapsules: process optimization”, Abhijeet P. Pandey, Saurabh S. Singh, Ganesh B. Patil, Pravin O. Patil, Chetan J. Bhavsar, **Prashant K. Deshmukh**, **Artificial Cells, Nanomedicine, and Biotechnology**, April 1, 2014. (doi:10.3109/21691401.2014.898646) (**I. F. 2.024**)
19. “Graphene oxide based magnetic nanocomposites for efficient treatment of breast cancer”, Nilesh S. Chaudhari, Abhijeet P. Pandey, Pravin O. Patil, Avinash R. Tekade, Sanjay B. Bari, **Prashant K. Deshmukh**, **Journal of Material Science and Engineering C**, Volume 37, 1 April 2014, Pages 278–285 (**I. F. 2.72**)
20. “Simplified Sol-Gel Method for Synthesis of Mesoporous Alumina”, Mahesh P. More, Pravin O. Patil, Abhijeet P. Pandey, Dilip A. Patil, **Prashant K. Deshmukh**, **Micro & Nano Letters**, Volume 8, Issue 12, December 2013, p. 895 – 898 (**I. F. 1.34**)
21. “Nanoarchitectonics in Cancer Therapy and Imaging Diagnosis”, Abhijeet P. Pandey, Nayandeep M. Girase, Mahendra D. Patil, Pravin O. Patil, Dilip A. Patil, **Prashant K. Deshmukh**, **Journal of Nanoscience and Nanotechnology**, **14**, 828-840 (2014) (**I. F. 1.48**)
22. “Fabrication of Layer-by-Layer Self Assembled Drug Delivery Platform for Prednisolone”, Ganesh B. Patil, Ketan P. Ramani,

- Abhijeet P. Pandey, Mahesh P. More, Pravin O. Patil, **Prashant K. Deshmukh**, **Polymer-Plastics Technology and Engineering**, 52(15),1637-1644, 2013 (**I. F. 1. 56**)
23. “Applying Quality by Design (QbD) concept for Fabrication of Chitosan Coated Nanoliposomes”, Abhijeet P. Pandey, Kiran M. Karande, Raju O. Sonawane, **Prashant K. Deshmukh**, **Journal of Liposome Research**, 2014 Mar;24(1):37-52 (**I. F. 1. 90**)
24. “Graphene based nanomaterials: Diagnostic applications”, Abhijeet P. Pandey, Kiran M. Karande, Mahesh P. More, Surendra G. Gattani, **Prashant K. Deshmukh**, **Journal of Biomedical Nanotechnology**, 10, 179-204 (2014) (**I. F. 5. 29**)
25. “Stimuli-Sensitive Layer-by-Layer (LbL) Self-assembly Systems: Targeting and Biosensory Applications”, **Prashant K. Deshmukh**, Ketan P. Ramani, Saurabh S. Singh, Avinash R. Tekade, Vivekanand K. Chatap, Ganesh B. Patil, Sanjay B. Bari, **Journal of Controlled Release**, 166 (2013) 294–306. (**I. F. 7. 63**)
26. “Comprehensive review of coumarine derivatives as MAO inhibitor”, Pravin O. Patil, Sanjay B. Bari, Sandip D. Firke, **Prashant K. Deshmukh**, Shailesh T. Donda, Dilip A. Patil, **Bioorganic & Medicinal Chemistry** 21 (2013) 2434–2450. (**I. F. 2.90**)
27. “Design and statistical optimization of osmotically driven capsule based on push-pull technology”, Wasim Shaikh, **Prashant K. Deshmukh**, Ganesh B. Patil, Vivekanand K. Chatap, and Sanjay B. Bari, **Pharmaceutical Development and Technology**, 2012; Apr 2013, Vol. 18, No. 2, Pages 515-524 (**I. F. 1.36**)
28. “Design and Development of Atorvastatin Calcium Buccoadhesive Bilayered Devices for Oral drug delivery”, Ketan P. Ramani, Saurabh S. Singh, Abhishek R. Mourya, **Prashant K. Deshmukh**, Vivekanand K. Chatap and Sanjay B. Bari, **J. DRUG DEL. SCI. TECH.**, 22 (6) 505-510, 2012. (**I. F. 1.67**)
29. “*In vitro* and *in vivo* consideration of novel environmentally

- responsive ophthalmic drug delivery system, **Prashant K. Deshmukh** and Surendra G. Gattani”, **Pharmaceutical Development and Technology**, 2013 Jul-Aug;18(4):950-6. (**I. F. 1.36**)
30. “Novel System for Decarboxylative Bromination of α , β - Unsaturated Carboxylic Acids with Diacetoxyiodobenzene”. R. A. Fursule S. B. Kosalge, B. D. Shewale, **P. K. Deshmukh**, D. A. Patil and P. O. Patil. **Chem. Pharm. Bull.** 57 (11) 1243 – 1245 (2009). (**I. F. 1.28**)
31. “Dissolution Enhancement of Rosuvastatin Calcium by Liquisolid Compact Technique”, V. J. Kapure, V. V. Pande, and **P. K. Deshmukh**, **Journal of Pharmaceutics**, Volume 2013 (2013), Article ID 315902, 9 pages doi. 10.1155/2013/315902.
32. “Formulation and Evaluation of Nisoldipne Sublingual Tablets Using Pullulan & Chitosan for Rapid Oromucosal Absorption”, Vivekanand K. Chatap*, Abhishek R. Maurya, **Prashant K. Deshmukh**, Laxmikant R Zawar, **Advances in Pharmacology and Pharmacy** 1(1): 18-25, 2013.
33. “Fabrication of Specially Designed Novel Mould for Casting of Perindopril Erbumine Mouth Dissolving Film”, Vivekanand K. Chatap, Abhijit M. Karale, Pramod Wagh, Prashant K. Deshmukh, **Advances in Pharmacology and Pharmacy** 1(2): 58-67, 2013.
34. “Design and Development of Novel Dual-Compartment Capsule for Improved Gastroretention”, Ganesh B. Patil, Saurabh S. Singh, Ketan P. Ramani, Vivekanand K. Chatap, and **Prashant K. Deshmukh**, **ISRN Pharmaceutics**, Volume 2012, Article ID 752471, 7, doi:10.5402/2012/752471
35. “Design and characterization of a novel environmentally responsive ophthalmic drug delivery system”, Surendra G. Gattani, **Prashant K Deshmukh**, **European Journal of Parenteral & Pharmaceutical Sciences** 2011; 16(1):87-91.
36. "Quantitative Estimation of Diacerein In Bulk And in Capsule Formulation Using Hydrotropic Solubilizing Agents by Uv-Spectrophotometry and First Order Derivative Using Area

- Under Curve Method", Ram S. Pandey, Manohar U. Patil, Pravin O. Patil, **Prashant K. Deshmukh** and Sanjay B. Bari, **Pharmaceutical Methods, January-June, 2012, Vol 3, Issue 1, 4-8.**
37. "Sustained Delivery of Propranolol By Using Multiparticulate Gastroretentive Drug Delivery System", Ch. N. Patra, S. B. Kosalge, D. D. Patil, **P. K. Deshmukh** and R. A. Fursule. **International Journal of Health Research, December 2008; 1(4): 241-247 (e146p60-67).**
38. "Chitosan Coated Mucoadhesive Multiparticulate Drug Delivery System for Gliclazide- *In vivo-In vitro* correlation." Patil D. A, Patil G. B, **Deshmukh P. K.**, Belgamwar V. S., Fursule R. A., **European Journal of Parenteral and Pharmaceutical Sciences, 2009, 14 (3), 35-39.**
39. "Study of a Novel Environmentally Responsive Ophthalmic Drug Delivery System", R. A. Fursule and **P. K. Deshmukh**, **International Journal of Pharma and Biosciences, V1(2)2010, 01-13.**
40. "Irrational Reuse of Prescriptions-a Review", Patil Dilip A., Kosalge Satish B., Fursule Ravindra A., **Deshmukh Prashant K.**, Patil Pravin O., and Patil Ganesh B., **International Journal of Pharmagenesis, 1(2), July-December 2010, pp. 183-187.**
41. "Geochemical studies of fluoride and other water quality parameters of ground water in Dhule region Maharashtra, India", Patil Dilip A., Fursule Ravindra A., **Deshmukh Prashant K.**, and Patil Pravin O., **Journal of Natural Science, Biology and Medicine, July 2010, Vol. 1, Issue 1, 9-11.**
42. "Synthesis of 2, 3-disubstituted Quinazolin-4(3*H*)-ones-A Review", D. A. Patil, P. O. Patil, **P. K. Deshmukh**, G. B. Patil, B. D. Shewale, D. D. Patil and S. G. Gattani., **Research J. Pharm. and Tech. 3(4): Oct.-Dec. 2010, 1-25.**
43. "Pullulan as novel solubilizer for solubility enhancement of nisoldipine", Maurya Abhishek R., Chatap Vivekanand K., **Deshmukh Prashant K.**, Mallurwar Vivek R. and Bari Sanjay B., **Novel Science International Journal of Pharmaceutical Science (2012), 1(6):374-385.**

44. "Development and validation of UV spectrophotometric method for estimation of tapentadol HCl in bulk drug and pharmaceutical formulation", G. B. Patil, G. T. Marathe, P. O. Patil, **P. K. Deshmukh**, S. B. Bari and S. J. Surana, **Analytical Chemistry: An Indian Journal**. **12(3)**, 2013,98-102.
45. "Study of Multiparticulate Floating Drug Delivery System Prepared by Emulsion Gelation Method", R. A. Fursule, Ch. N. Patra, J. R. Amrutkar, R. L. Bakal, P. O. Patil and **P. K. Deshmukh**, **Asian Journal of Pharmaceutical and Clinical Research**, Vol. **1(3)**,2008,pp.60-64.
46. "Effect of hydroxypropyl- β -cyclodextrin on Solubility and Stability of Telmisartan", P. O. Patil, B. D. Shewale, **P. K. Deshmukh** and R. A. Fursule, **International Journal of Chemical Sciences**, Vol **6 (3)**, 2008, pp. 1449-1454.
47. "Rising Drug Prices- Weeping Masses", S. B. Kosalge, B. D. Shewale. P. O. Patil, **P. K. Deshmukh**, D. A. Patil, R. A. Fursule, **International Journal of Community Pharmacy**, Vol. (1) , Sep- Dec-2008, No. 3, pp. 8- 16.
48. "Design and Characterization of Multiparticulate Floating Drug Delivery System prepared by Emulsion Gelation Technique", R. A. Fursule, Ch. N. Patra, G. B. Patil, S. B. Kosalge, P. O. Patil, **P. K. Deshmukh**, **International Journal of Chem Tech Research**, Vol.1, No. 2, pp 162-167.
49. "Molecular Properties of Gatifloxacin - Indion 204 Complexes", Amrutkar J. R., **Deshmukh P. K.**, Gattani S. G., Surana S. J., Belgamwar V. S. and Yeole P. G., **International Journal of Pharmaceutical Excipients**, Oct. – Dec. 2007, Vol. **6**, No. 4, pp. 152 – 159.
50. "Chitosan Coated Mucoadhesive Multiparticulate Drug Delivery System For Gliclazide", Patil D. A, Patil G. B., **Deshmukh P. K**, Belgamwar V. S. and Fursule R. A., **Asian Journal of Pharmaceutical and Clinical Research**, Vol. **2**, Issue 2, April- June, 2009.
51. "Studies on occlusion complexes of Aceclofenac with β -cyclodextrin and hydroxypropyl - β - cyclodextrin", Patil G. B., **Deshmukh P. K.** and Belgamwar V. S., **Research Journal of**

PARTICIPATION IN NATIONAL & INTERNATIONAL CONFERENCES AND TRAININGS

- 2016-** Organized Phoenix India Solutions sponsored one day national level conference “Innovative concepts & methodologies in pharmaceutical research-II (ICMPR2016)” on 19th March 2016 at HRPIPER, Shirpur
- 2016-** Co-ordinated DST sponsored “INSPIRE internship camp”, HRPIPER, Shirpur, 15-19 Feb. 2016.
- 2015-** RSC symposium on “Frontiers of advances in chemistry and technology-2015 ”, North Maharashtra University, Jalgaon, 11-12 Dec. 2015
- 2015-** A.P.T.I. National Convention “Strategic approached to strengthen academic industrial collaboration”, 9-10 Oct. 2015 (Indore)
- 2014-** Organized Scifinder sponsored one day national level conference “Innovative concepts & methodologies in pharmaceutical research (ICMPR2015)” on 4th March 2015 at HRPIPER, Shirpur
- 2013-** AICTE, New Delhi sponsored, ‘Faculty Development Programme on Nanonisation techniques and Pharmaceutical Product Development: Advances, Opportunities and Challenges’, Bharti Vidyapeeth Collage of Pharmacy, Kolhapur 6th Dec. 2013.
- 2013-** AICTE, New Delhi sponsored, ‘Faculty Development Programme on Advances in polymer based drug delivery systems’, Satara Collage of Pharmacy, Satara 7th Dec. 2013.
- 2013-** Attended Shivaji University Kolhapur sponsored Staff Development programme on “Drug regulatory affairs and intellectual property rights” at Shree Santkrupa College of Pharmacy, Ghogaon, August 17, 2013.
- 2012-** Attended UGC-SAP Sponsored national conference on “Recent challenges in pharmaceutical sciences and technology” at North Maharashtra University, Jalgaon, March 28, 2012.

- 2012-** Attended 4th conference on “Recent advances in polymer technology”, at North Maharashtra University, Jalgaon, March 2-3, 2012.
- 2011-** Attended National conference on “Recent challenges in pharmaceutical sciences and technology” at Department of chemical technology, North Maharashtra University, Jalgaon, March 19, 2011.
- 2010-** Attended two days National workshop on “Teaching Skills in Physical Pharmacy”, at SVKM’s Narasi Monaji Institute of Management of Science, School of Pharmacy, Sawalde, Shirpur
- 2010-** Coordinator of scientific committee for two days AICTE sponsored national level seminar on ‘Current challenges and novel approaches in pharmacological research’ at H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur, held on 23rd & 24th October 2010.
- 2009-** AICTE, New Delhi sponsored, ‘Two days national seminar on Pharmaceutical Nanotechnology’ at Sudhakar Rao Naik Institute of Pharmacy, Pusad (Maharashtra) held on 25th and 26th September 2009.
- 2008-** Member of scientific committee for two days AICTE sponsored national level seminar on ‘Current trends in novel drug delivery systems’ at R.C. Patel Institute of Pharmaceutical Education and Research, Shirpur, held on 23rd & 24th August 2008.
- 2008-** Participated in the TIFAC, DST (Govt. of India), New Delhi sponsored one day Workshop on Patent Awareness held at N M U, Jalgaon. 4th August, 2008.
- 2007-** Attended Two Weeks AICTE Sponsored Staff Development (SDP) Programme Organized by SPCOP, Nagpur– 441 110 (M.S.) on “Emerging trends in advanced drug delivery system” From 26th Nov. to 6th December 2007.
- 2005-** Attended 10th A.P.T.I. National Convention, 2005 (Nagpur).

PAPERS PRESENTED/ABSTRACTS PUBLISHED

- 2009-** Abstract Published in ‘**International symposium on Clinical pharmacy education: Sharing the U.S. experiences**’ held at

References:**Dr. S. B. Bari****Professor & Principal,**

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Gurunanak College of Pharmacy, Nagpur, entitled 'Fixed dose combinations: rational or irrational', 27th Nov. 2009.

2009- Abstract Published in '**International symposium on Clinical pharmacy education: Sharing the U.S. experiences**' held at Gurunanak College of Pharmacy, Nagpur, entitled 'Evaluation of medication adherence pattern of rural patients with Diabetes mellitus', 27th Nov. 2009.

2008- Abstract published in DST Sponsored three days National Level Workshop on **Coating Technology of Solid Dosage Forms** held at Nagpur entitled "Molecular Modeling Study of B-Cyclodextrin" 17th October, 2008.

2008- Abstract published in **International Conference on Drug Discovery and Nanotechnology** at Nanded (MS), Development and Evaluation of Floating Drug Delivery for Ranitidine Hydrochloride, Jan 27-28, 2008.

2008- Abstract published in **International Conference on Drug Discovery and Nanotechnology** at Nanded (MS), Effect of hydroxylpropylated- β -cyclodextrin and pH on solubility of telmisartan, Jan. 27-28, 2008.

2007- Abstract published in **59th Indian Pharmaceutical Congress 2007** held at Varanasi "Exploring a Need of Pilot Plant in Current Scenario", 2007.

2006- Abstract published in **58th Indian Pharmaceutical Congress** held at Mumbai, "Sales of Cosmetics through Pharmacy? Beneficial to Community", Dec. 2006.

2005- Abstract published in **57th Indian Pharmaceutical Congress**, Hyderabad, Formulation and evaluation of calcium alginate microspheres prepared by sequential and simultaneous method.

LEISURE ACTIVITIES

Reading Newspapers and professional Journals, Internet Browsing, Travelling, Listening to Music.

Declaration: The information given above is correct as per my knowledge and belief.

Date:

Dr. Prashant Krishnarao Deshmukh