

Curriculum Vitae

Veena Shailendra Belgamwar (M. Pharm., Ph. D)
Professor (Pharmaceutics)

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University Department of Pharmaceutical Sciences,

Rashtrasant Tukadoji Maharaj, Nagpur University,

Mahatma Jyotiba Fuley Shaikshanik Pariser

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Nagpur-440033

Objective: To evolve as a learner by undertaking challenging projects involving innovation and technology that will strengthen the healthcare domain. To share the knowledge and utilise the expertise gained so far for the betterment of community.

Academic Credentials

Sr. No	Qualification	Percentage	Year	Institute	University /Board
1	Ph.D.		2011	R.C. Patel Institute of Pharmaceutical Education and Research, Shirpur. Dist. Dhule	North Maharashtra University Jalgaon
2	Master of Pharmacy	69	1997	Department of Pharmaceutical Sciences	Nagpur University, Nagpur
3	Bachelor of Pharmacy	66	1995	Department of Pharmaceutical Sciences	Nagpur University, Nagpur
4	GATE	92.87 Percentile	1995	IIT Kanpur	
5	MSCIT	93	1992	NIIT	
6	H.S.C	83	1991	-	Maharashtra State Board
7	S.S.C	87.71	1989	-	Maharashtra State Board

Experience: Academics (26 Years) Teaching- 26 Yrs, Research- 21 Yrs.

- **Professor** 10/10/2016 to till date****
- **Associate Professor** 10/10/2013 to 09/10/2016****
- **Prof.& HOD (Pharmaceutics Dept.)** ****from 30/06/2013 to 10/10/2013
- **HOD (Pharmaceutics & Quality Assurance Dept.)** at**9th March 2010 to 29/06/2013
- **Asst. Prof:** 21st July 2005 to 29/06/2013**
- **Lecturer:** 18th August 1997 to 20th July 2005*
 - S.N. Institute of Pharmacy, Pusad, Dist. Yavatmal
 - R.C. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist. Dhule, Maharashtra

- Dadasaheb Balpande College of Pharmacy, Besa, Nagpur
- Dept. of Pharmaceutical Sciences, Rashatrasant Tukadoji Maharaj, Nagpur University, Nagpur.

Approvals and Recognitions:

- Professor, RTMNU, Nagpur (Esst.1-2021/CAS/K/N/L/B/40)- Since 10/10/2016
- Associate. Professor, RTMNU, Nagpur (Esst.1-2013/B/C/N/S/2018)- Since 05/10/2013
- Ph.D. Supervisor RTMNU, Nagpur (No. Ph.D. (Cell)/RRC/2221) dt. 16/01/2015
- Chairman, Board of Studies (North Maharashtra University, Jalgaon) from 04/07/2011 to 29/06/2013
- Assit. Prof. NMU, Jalgaon, (NMU/18/D-48/1688/2006 dated 6/12/2006)
- Ph.D. Registration: 15th Dec. 2006, R.No. NMU/11/Ph.D. /Pharmacy/05/2006.
- Lecturer, (AU/B/C-306/98 dated 24/4/1998)

Awards:- Maharashtra Arya Vaishya Youth Pune ,Maharashtra awarded the Vasvi Ratna Puraskar-2022 to Dr. Veena Shailendra Belgamwar on 25/06/2022 for her contribution towards Academics and Research since last 26 yrs.

Funded Projects:

- Received Research grant from AICTE-New Delhi Rs. 16,40,000/- under MODROB Scheme on topic entitled Modernization and Removal of Obsolescence in Pharmaceuticals Research Laboratory (F.No.64-65/RIFD/MODROB-RURAL/Policy-1/2019-20)
- Worked as Co-Principal Investigator for RUSA Project(Research grant - 35 lakh) on topic entitled Development of new treatment for multidrug resistant uro-pathogenic bacterial infection, Govt. of Maharashtra (RUSA/Order/ R&I/2016-17/273),
- Received Research grant from Rashatrasant Tukadoji Maharaj, Nagpur University-3.00 Lakh under University Research Project Scheme on topic entitled Design, Development and evaluation of orodispersible films. (Dev./RTMNURP/AH/1672)
- Received Research grant of 10 Lakh from AICTE-New Delhi under RPS Scheme on topic entitled Design and development of nanoparticulate drug delivery system for cancer (F.No.8023/BOR/RID/RPS-132/2009-10)

Students Guided:

- Total M. Pharm. students guided: - 76
- Total Ph.D. Student (Awarded - 05, Pursuing- 08, amongst which two students are SRF 1. Ms. Vidyadevi T. Bhoyar, have Chhatrapati Shahu Maharaj National Research Fellowship (CSMNRF-2019) and 2. Mr. Sagar S. Trivedi has Department of Science and Technology (DST-INSPIRE) Fellowship, Government of India (IF 190486).

Research Publications: There are 53 International and 21 National publications in various reputed and highly indexed having good impact factor journals. List of publications are appended as **Annexure -I**.

International/National Research Presentation:

List of Various International and National Research Presentation are appended as **Annexure -II.**

Patent Granted/Published/Filed

1. Indian Patent **(Granted)**

Title: A Formulation Of Docetaxel Loaded Nano Particulate Drug Delivery System

Application No: 202221042162

Date of Filing: 22/07/2022

Date of Grant: 11/07/2023

2. Indian Patent **(Filed)**

Title: A method for formulation of aptamer conjugated nanoparticulate drug delivery system for targeting to HER-2 positive breast cancer.

Application No: 202121009571

Date of filing: 08/03/2021

Inventors: Dr. Veena S. Belgamwar

Ms. Suchitra Mishra

Mr. Kunal Banode

3. Indian Patent **(Granted)**

Title: A Nasal Formulation of Thymoquinone And Process For Preparation Thereof

Application No: 202321073038

Date of Filing : 26/10/2023

Date of Grant: 12/06/2024

Inventors: 1. Trivedi Sagar Shashikant

2 . Belgamwar Veena Shailendra

3 . Kause Suraj Pandurang

4. Indian Patent **(Granted)**

Title: A Nasal Formulation of Lentinan And Process For Preparation Thereof

Application No: 202321073020

Date of filing: 26/10/2023

Date of Grant: 14/06/2024

Inventors: 1. Trivedi Sagar Shashikant

2 . Belgamwar Veena Shailendra

3 . Wadher Kamlesh Jayantilal

5. Indian Patent **(Provisional Application)**

Title: A process for synthesis of Etravirine loaded nanostructured lipid carriers

Application No: 202121053682

Date of filing: 22/11/2021

Inventors: Dr. Veena S. Belgamwar

Ms. Suchitra Mishra

Mr. Kunal Banode

6. Indian Patent (**Provisional Applications**)
Title: Formulation of sustained release oral floating matrix tablet of chlorogenic acid
Application No: 201721009454
Date of filing: 17/03/2017
Inventors: Dr. Veena S. Belgamwar
7. Indian Patent (**Provisional Applications**)
Title: Novel neuronanoemulsion
Application No.: 666/MUM/2015
Date of filing: 2/03/2015
Inventors: Dr. Veena S. Belgamwar
Mr. Chandrakantsing V. Pardeshi
8. Indian Patent (**Provisional Applications**)
Title: Novel nanocarrier composition for brain targeting
Application No.: 667/MUM/2015
Date of filing: 2/03/2015
Inventors: Dr. Veena S. Belgamwar
Mr. Chandrakantsing V. Pardeshi
9. Indian Patent (**Provisional Applications**)
Title: Novel antitubercular drug delivery system utilizing liquid crystals mesophase
Application No.: 201721014706
Date of filing: 24/04/2018
Inventors: Dr. Veena S. Belgamwar
Ms. Monika Ola
10. Indian Patent (**Provisional Applications**)
Title: Spray dried powder of pulmonary tuberculosis
Application No.: 202321003868
Date of filing: 19/01/2023
Inventors: Dr. Veena S. Belgamwar
Ms. Vidyadevi Bhoyar

Book Chapters

1. Nanodiagnostics and targeted drug delivery: integrated technologies. In Nanotechnology Principles in Drug Targeting and Diagnosis 2023 Jan 1 (pp. 353-393). Elsevier.
2. Trivedi S, Bhoyar V, Belgamwar V, Wadher K, Raut NA, Dhoble SJ. Practices of food waste management and its impact on environment. In 360-Degree Waste Management, Volume 1 2023 Jan 1 (pp. 89-111). Elsevier.
3. Nanotechnology-based drug targeting to infectious diseases. In Nanotechnology Principles in Drug Targeting and Diagnosis 2023 Jan 1 (pp. 269-300). Elsevier.
4. Nanodiagnostics and targeted drug delivery: integrated technologies. In Nanotechnology Principles in Drug Targeting and Diagnosis 2023 Jan 1 (pp. 353-393). Elsevier.

5. Phosphors for bioimaging applications. In Phosphor Handbook 2023 Jan 1 (pp. 237-260). Woodhead Publishing.
6. Practices of food waste management and its impact on environment. In 360-Degree Waste Management, Volume 1 2023 Jan 1 (pp. 89-111). Elsevier.
7. Nanoparticles for the targeted drug delivery in lung cancer. In Photophysics and Nanophysics in Therapeutics 2022 Jan 1 (pp. 269-290). Elsevier.
8. Phototherapy: The novel emerging treatment for cancer, Photophysics and Nanophysics in Therapeutics, Elsevier Publishers, 2022, Pg. No. 31-50.
9. Photodynamic therapy for cancer treatment, , Photophysics and Nanophysics in Therapeutics, Elsevier Publishers, 2022, Pg. No. 89-114.
10. Potential Applications of Polyelectrolyte Complexes in Pharmaceutical and Nutraceutical Delivery. In Nutraceutical Delivery Systems 2022 Aug 18 (pp. 313-335). Apple Academic Press.
11. Nanoparticles for the targeted drug delivery for lung cancer, Photophysics and Nanophysics in Therapeutics, Elsevier Publishers, 2022, Pg. No. 269-290.
12. Nanopharmaceuticals: an approach for effective management of breast cancer, Nanopharmaceutical Advanced Delivery Systems, Scrivener Publishing, Wiley, USA, 2021, Pg. No. 333-355
13. Nanoformulations: A novel approach for effective management of vector-borne viral diseases, Nanotechnological Applications in Virology, Academic Press, Elsevier, 2022, pg.no. 219-234.
14. A novel approach for effective management of vector-borne viral diseases. In Nanotechnological Applications in Virology 2022 Jan 1 (pp. 219-234). Academic Press.
15. Application of Nanomaterials in Medicine, Pharmaceutical, and Cosmetics Industries, microbial synthesis of nanomaterials, Published by Nova Science Publishers, Inc. † New York, pg. No. 217-258. ISBN: 978-1-53619-926-0(eBook)
16. Quantitative and qualitative analysis of direct nose-to-brain drug delivery, Direct Nose-to-Brain Drug Delivery, Academic Press, Elsevier, 2021, pg. No. 459-481.
17. C. V. Pardeshi, V.S. Belgamwar, S.J. Surana, Nanotechnology-mediated nose-to-brain drug delivery for neurodegenerative disorders, in: Nanobiotechnology Neurodegener. Dis., Springer International Publishing, 2019: pp. 163–175. https://doi.org/10.1007/978-3-030-30930-5_6.
18. S.S. Mishra, K.B. Banode, V.S. Belgamwar, Nanotechnology: A tool for targeted drug delivery, in: Nanotechnol. Appl. To Pharm. Technol., Springer International Publishing, 2017: pp. 113–137. https://doi.org/10.1007/978-3-319-70299-5_5.
19. C.V. Pardeshi, A. Kulkarni , V.S. Belgamwar ,S.J. Surana, H. Patel Book Chapter - N,N,N-trimethyl chitosan: Nanomedicine applications, In book Encyclopaedia of Biomedical Polymers and Polymeric Biomaterials. 8th May 2017, Publisher: CRC Press, Taylor & Francis Publishers.

Research activities

- Working as Referee for SERB research proposal, Dept. of Science and Technology, Govt. of India • Working as Referee for ICMR, New Delhi, Research proposals • Working as AICTE expert member for different Schemes.
- Working as reviewer for various Pharmaceutical Research Journal from various publishers like Taylors & Francis, Springer, Elsevier, Bentham Science, Wiley Interscience etc.
- Judged the event as e-poster evaluator, AICTE sponsored two days National level online conference held on 03 -04/09 2021 organized by Dadasaheb Balpande College of Pharmacy, Besa, Nagpur University, Nagpur.

National/International Oral and Poster presentation

Various National and International Oral and Poster Presentations list is appended as
Annexure- III.

Seminars/Conference/Workshop organized

- Coordinator for RTMNU organised National Science Day -2022 on 28/02/2022
 - Organizing secretary for International workshop on Digitalization in Pharma Industry organised by University Department of Pharmaceutical Sciences, RTMNU, Nagpur on 6th and 7th March, 2020.
 - Organizing committee member for 2nd and 3rd Dr. A. K. Dorle memorial lecture series on 14/03/2018
 - Organizing committee member for one day National conference on conservation of Lokswasthya Parampara on 22/07/2017 organized by Dept of Pharmaceutical Sciences RTM Nagpur University, Nagpur.
 - Organizing committee member for national science day on topic Nature to futuristic medicines organised by Department of Pharmaceutical Sciences, RTM Nagpur University, Nagpur on 28/02/2017
 - Organizing committee member for Current Trends in Formulation Development and Regulatory Affairs organised by Department of Pharmaceutical Sciences, RTM Nagpur University, Nagpur on 03/12/2013.
 - Organizing committee member for 2nd International Congress of Society for Ethanopharmacology, Nagpur, India organized by Dept. of Pharmaceutical Sciences, RTM Nagpur University in association with Society for Ethanopharmacology India, Nagpur Chapter (From 20-22 February 2015).
 - Organizing committee member for Current Research Strategies and Future Prospects for the Management of Diabetes Mellitus organised by Department of Pharmaceutical Sciences, RTM Nagpur University, Nagpur on 20/02/2014.
 - Organized two day AICTE sponsored national seminar on Current Trends in Novel Drug Delivery System (23-24 August 2008) in the capacity of Joint Coordinator.
 - Organized two day AYUSH sponsored national seminar on Current Trends and Recent Advancements in Herbal formulations (21-22 February 2012) in the capacity of Joint Coordinator.
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Seminars/Workshops/Conferences attended

Various National and International Conferences/Workshops attended and list is appended as **Annexure- IV.**

- Chairman for the scientific session in national; symposium in Controlled release society Indian Chapter on Computer Aided Drug Delivery organised by Datta Meghe College of Pharmacy, Wardha on 2/07/2022
- Attended National conference on Basics and Advances in Biological Sciences organised by Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur on 8-9/04/2022
- Delivered talk as eminent speaker in AICTE sponsored Two day National Conference on
- Quality by Design approaches perspective software assisted Pharmaceutical tool for development of novel drug delivery system: Regulatory Guidelines & current status at R.C.Patel IPER on 29-30/03/2022
- Delivered talk at Dadasaheb Balpande College of Pharmacy, Besa, Nagpur on 22/03/2022 on topic Response surface Methodology and Design of Experiment tools for formulation optimization and development
- Delivered talk on Applications of Design Expert Software for formulation optimization in Faculty Development Programme organised by P. Wadhawani College of Pharmacy, Yavatmal, on 6th May 2020 (From 05/05/2020 to 09/05/2020)

- Delivered talk on formulation & development of Nanoparticulate drug delivery system in Faculty Development Programme organised by Sharad Pawar College of Pharmacy, Nagpur on theme Recent Advances in Novel Drug Delivery System Sponsored by AICTE New Delhi, on 27th June 2014.
- Recent Advancement on Herbal Formulation and Drug Delivery System Sponsored by AICTE at R.C. Patel Institute of Pharmaceutical Education & Research, Shirpur 27th May to 08th June 2013

Professional Membership

- **Life member** of the Indian Pharmaceutical Association **MAH/PUS/LM/0027**
 - **Life member of APTI MA/LM-2975**
 - **Registered Pharmacist** with Maharashtra State Pharmacy Council (**Reg.No.106576 dated 26/11/2009**)
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Administrative Responsibilities

At University level

- Worked as a **Scrutiny Committee Member** for the selection of the various post of the University appointed by RTMNU, Nagpur
- Worked as **Member** on Research Advisory Committee for the registration of Ph. D. students at PJLCOP, Nagpur on 15/11/21
- **Subject expert** on moderation committee appointed by RTMNU, Nagpur and selection committee member of RTM Nagpur University, Nagpur (From 2013 - till date)
- **Organizing committee** member for two days Annual Young Scientist Conference (AYSC) on 01/03/2019 to 02/03/2019 organized by RTMNU, Nagpur
- **Judged** the event, Avishkar 2015, Stage-II (21/12/2015), Avishkar- 2019 (From 3/01/2019 to 4/01/2019) for poster as well as oral presentations, organised by RTM Nagpur University, Nagpur .
- **Member** of purchase committee for chemicals and consumables, RTMNU, Nagpur (From Oct. 2020)
- **Member** of Local Enquiry Committee (LEC), RTM Nagpur University, Nagpur
- **Organising committee member** for Vidarbha Youth Science Congress organised by RTM Nagpur University, Nagpur on 1- 2/03/2019
- **Organising committee member** for National Science day celebration organised by RTM Nagpur University, Nagpur on 28/02/2019
- **Scrutiny officer** in result section of RTMNU, Nagpur.
- Election duty, worked as a **polling officer** during Lok Sabha Election 2014.
- **Worked as HOD** of Pharmaceutics (from 9/03/2010 to 29/06/2013) and Quality Assurance Dept. from (21/07/2005 to 09/03/2010) at R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur, Dhule (M.S.)
- **Examiner** for M. Pharm.& Ph.D. Viva-voce in various universities
- **Organizing committee member** for one day National seminar of Nutrition Society of India (Nagpur Chapter) XVI Annual Scientific Session 2020, Theme, "Appropriate Lifestyle for Optimum Health" on 01/02/2020.

At Department level

- **Coordinator** for conducting offline/online examination of Practical & Theory at University Department of Pharmaceutical Sciences, Nagpur (2015 - till date)

- Admission Reporting Centre - as a **scrutiny committee member** for centralised admission process for B. Pharm. & M. Pharm. Course from 2015 of RTMNU, Nagpur.
- **Organising committee member** for one day National seminar of Nutrition Society of India (Nagpur Chapter) XVI Annual Scientific Session 2020, Theme, "Appropriate Lifestyle for Optimum Health" on 01/02/2020
- **Organizing committee member** for One day national conference of Controlled release society, Indian chapter on topic Translational Research-from bench to bedside on 10/11/2019.
- **Working as T & P committee member** in coordination with Training & placement cell of UDPS, Nagpur.
- **In-charge** of sanitation and cleanliness committee at UDPS, RTMNU, Nagpur.
- Contributed in development of Pilot Plant of Pharmaceuticals Laboratory.
- Guiding UG & PG students for various competitive exams like GPAT, IELTS etc.
- Contributed in making available all instrumental facilities at Pharmaceuticals Section
- Contributed in developing competitive research environment in Pharmaceuticals and Quality Assurance Dept.

References:

- **Prof. Dr.S . J. Surana** Principal,
R.C.Patel Institute of Pharmaceutical Education & Research, Shirpur, Dhule (M.S.) sjsurana@yahoo.com
Phone: 09423980900
- **Prof. Dr. V. B. Patravale**
Professor, Pharmaceutical Sciences and Technology Institute
of Chemical Technology Mumbai, India
vb.patravale@ictmumbai.edu.in
Phone: 0982002314

Declaration

I hereby declare that the above-furnished information is true and correct to the best of my knowledge and belief.

Place: Nagpur

Date: 20/12/2023

Dr. Veena S. Belgamwar

Dr. VEENA S. BELGAMWAR
Professor
Department of Pharmaceutical Sciences
Rashtrasank Tukadoji Maharaj
Nagpur University, Nagpur - 33.

Annexure -I

International Publications

- Trivedi, Sagar, and Veena Belgamwar. "Fabrication and optimization of chitosan-g-m-PEG-NH₂ copolymer for advanced glioblastoma therapy using surface engineered lentinan loaded nanovesicles for nasal delivery." *International Journal of Biological Macromolecules*, vol. 273, July 2024, p. 133125. <https://doi.org/10.1016/j.ijbiomac.2024.133125>. (**Impact factor: 7.7**)
- Trivedi S, Kause S, Belgamwar V. Intranasal delivery of poly (d-glucosamine) encrusted selfassembled lipidic nanovesicles to enhanced brain uptake of thymoquinone for management of Glioblastoma Multiforme. *Journal of Drug Delivery Science and Technology*. 2023 Nov 10:105149. (**Impact factor: 5.062**),
- Trivedi S, Bhoyar V, Akojwar N, Belgamwar V. Transport of nanocarriers to brain for treatment of glioblastoma multiforme: Routes and challenges. *Nano Trends*. 2023 Mar 1;1:100005.
- Bhoyar V, Belgamwar Vs, Trivedi S. *Zurnal Prikladnoj Spektroskopii*. Zurnal Prikladnoj Spektroskopii Учредители: Институт Физики Им. Би Степанова Нан Беларуси. 2022;89(5):688-93.
- Trivedi S, Belgamwar V, Wadher K. Analytical profiling of Lentinan in hybrid nanostructures for intranasal Delivery: Method development and Validation. *Results in Chemistry*. 2022 Jan 1;4:100471. (**Impact factor: 2.3**)
- Bhoyar VT, Belgamwar VS, Trivedi SS. Method of starch acetylation and use of acetylated starch as polymer in pharmaceutical formulations. *Research Journal of Pharmacy and Technology*. 2022;15(11):5337-43. (**Impact factor: 0.87**)
- Patil MU, Rajput AP, Belgamwar VS, Chalikwar SS. Development and characterization of amphotericin B nanoemulsion-loaded mucoadhesive gel for treatment of vulvovaginal candidiasis. *Heliyon*. 2022 Nov 1;8(11).
- Sagar Trivedi, Krishna Patel, Veena Belgamwar, Kamlesh Wadher, Functional polysaccharide lentinan: role in anti-cancer therapies and management of carcinomas *Pharmacological Research – Modern Chinese Medicine* (**Impact factor: 2.09**), DOI:10.1016/j.prmcm.2022.100045, Page no. 1 – 8.
- Sagar Trivedi Abhidha Deshpande, Veena Belgamwar, VidyadeviBhoyar, Kamlesh Wadher, Stability indicating HPLC method for estimation of thymoquinone in nasal simulated fluid: method development and validation, *Journal of Pharmaceutical Research International*(Web of science) 2021:33(68);233-240. Doi 10.9734/jpri/2021/v33i60A34480
- Sagar Trivedi, Shreya Jagtap, Veena Belgamwar, Kamlesh Wadher Role of Nanostructures and Immunotherapy in Management of Glioblastoma Multiforme: Current Perspectives and Challenges *Asian Journal of Pharmaceutics*. (**Impact factor: 0.47**, Web of Science) Oct-Dec 2021:15(4);414-423.
- Vidyadevi Bhoyar, Veena Belgamwar, ChandrakantsinghPardeshi, Direct Lungs Targeting: An Alternative Treatment Approach for Pulmonary Tuberculosis, *Asian Journal of Pharmaceutics*, (**Impact factor: 0.47**, Web of Science) Oct-Dec 2021:15 (4) ;399-407
- Vidyadevi Bhoyar, Veena Belgamwar, Chandrakant Pardeshi, Pramod Ingle, An Overview On Tuberculosis And Worldwide Steps To Combat TB Including Awareness Programme In India, *Journal of Pharmaceutical Research International*, (Web of science), DOI:10.9734/JRPI/2021/v33i60A34572, 33(60A): 956-971, 2021; Article no. JPRI.78885, ISSN: 2456-9119
- Vidyadevi Bhoyar, Veena Belgamwar, Sagar Trivedi, Method of starch acetylation and use of acetylated starch as polymer in pharmaceutical formulation, *Research Journal of Pharmacy And Technology*, (**Impact factor: 0.23**, Scopus Indexed),
- Abhijeet D. Kulkarni & Veena S. Belgamwar (2019) Influence of novel carrier Soluplus® on aqueous stability, oral bioavailability, and anticancer activity of Morin hydrate, *Drying Technology*, 37:9, 11431161, DOI: [10.1080/07373937.2018.1488261](https://doi.org/10.1080/07373937.2018.1488261) (**IF 2.880**)

- Pardeshi CV, Belgamwar VS. N,N,N-trimethyl chitosan modified flaxseed oil based mucoadhesive neuronanoemulsions for direct nose to brain drug delivery. *Int J Biol Macromol.* 2018; 120(Pt B):25602571. doi:10.1016/j.ijbiomac.2018.09.032 **(IF 5.162)**
- Ola Monika and Belgamwar VS Process Optimization for Formulation of an Oral Pyrazinamide Cubosome: *Int J Recent Sci Res.* 8(9), .2017, pp. 20138-20141. **(IF 7.383)**
- Ola Monika and Belgamwar VS Enteric coated Pellets of Isoniazid: Method Optimization and evaluation: Current trends in biotechnology and chemical research vol 7, no 1&2, September 2017.
- Kulkarni AD, Joshi AA, Patil CL, Amale PD, Patel HM, Surana SJ, Belgamwar VS, Chaudhari KS, Pardeshi CV. Xyloglucan: A functional biomacromolecule for drug delivery applications. *Int J Biol Macromol.* 2017 Nov; 104(Pt A):799-812. doi: 10.1016/j.ijbiomac.2017.06.088. Epub 2017 Jun 23. PMID: 28648637. **(IF 5.162)**
- Suprit D.Saoji, Veena S. Belgamwar, Sanket S. Dharashivkar, Aniket Rode, Connor Mack, Vivek S Dave, The study of influence of formulation & process variables on the functional attributes of Simvastatin-phospholipid complex, **J Pharm Innov** September 2016, Volume 11, Issue 3, pp 264–278 **(IF 1.703)**
- Chandrakantsing V. Pardeshia,*, Veena S. Belgamwar Controlled synthesis of N,N,N-trimethyl chitosan for modulated bioadhesion and nasal membrane permeability **International Journal of Biological Macromolecules**, (2016) 933–944 **(IF 5.162)**
- Abhijeet D Kulkarni, Harun M Patel, Sanjay J Surana, Veena S Belgamwar & Chandrakantsing V Pardeshi, Brain–blood ratio: implications in brain drug delivery **Expert Opinion on Drug Delivery** 13:1, 85-92, 2016 **(IF 4.9)**
- Abhijeet D. Kulkarni, Yogesh H. Vanjari, Karan H. Sancheti, Harun M. Patel, Veena S. Belgamwar, Sanjay J. Surana & Chandrakantsing V. Pardeshi, Polyelectrolyte complexes: mechanisms, critical experimental aspects, and applications, **Artificial Cells, Nanomedicine, and Biotechnology**, Volume 44, 2016 - Issue 7 1615-1625 (<http://dx.doi.org/10.3109/21691401.2015.1129624>) **(IF 3.930)**
- Abhijeet D. Kulkarni, Yogesh H. Vanjari, Karan H. Sancheti, Veena S. Belgamwar, Sanjay J. Surana & Chandrakantsing V. Pardeshi, Nanotechnology-mediated nose to brain drug delivery for Parkinson's disease: a mini review, **Journal of Drug Targeting**, 23:9, 775-788, DOI: 10.3109/1061186X.2015.1020809 **(IF 3.408)**
- Kudarha R, Dhas NL, Pandey A, Belgamwar VS, Ige PP. Box-Behnken study design for optimization of bicalutamide-loaded nanostructured lipid carrier: stability assessment. *Pharm Dev Technol.* 2015; 20(5):608-18. doi: 10.3109/10837450.2014.908305. Epub 2014 May 2. PMID: 24785784. **(IF 2.347)**
- Payal Hasmukhlal Patil, Veena Shailendra Belgamwar, Pratibha Ramratan Patil, Sanjay Javerilal Surana, Enhancement of solubility and dissolution rate of poorly water soluble raloxifene using microwave induced fusion method, **Brazilian J. of Pharm. Sci.**, (2013), 49(3), 571-578. **(IF 0.34)**
- Chandrakantsing Vijaysing Pardeshi, Veena Shailendra Belgamwar, Direct nose to brain drug delivery via integrated nerve pathways bypassing the blood–brain barrier: an excellent platform for brain targeting, **Expert Opin. Drug Deliv.** (2013) 10(7):957-972. **(IF 4.86)**
- Chandrakantsing V. Pardeshi, Veena S. Belgamwar, Avinash R. Tekade & Sanjay J. Surana Novel surface modified polymer–lipid hybrid nanoparticles as intranasal carriers for Ropinirole hydrochloride: *in vitro*, *ex vivo* and *in vivo* pharmacodynamic evaluation, **J Mater Sci: Mater Med**, (2013), 24(9), 21012115. **(IF 2.463)**
- Chandrakantsing V. Pardeshi, Pravin V. Rajput, Veena S. Belgamwar, Avinash R. Tekade, and Sanjay J. Surana .Novel surface modified solid lipid nanoparticles as intranasal carriers for Ropinirole hydrochloride: application of factorial design approach, **Drug Delivery**, 2013, 20(1), 47-56. **(IF 3.095)**

- Payal Patil, **Veena Belgamwar**, Pratibha Patil and Sanjay J. Surana Solubility Enhancement of Raloxifene Using Inclusion Complexes and Cogrinding Method," **Journal of Pharmaceutics**, vol. 2013, Article ID 527380, 9 pages, 2013. doi:10.1155/2013/527380(**IF 4.845**)

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***IF= Impact factor**

National Publication

- Pardeshi, Chandrakantsing & Belgamwar, Veena & Surana, Sanjay & Sonawane, Raju & Chaudhari, Prashant. (2018). Mucoadhesive nanoparticles: A roadmap to encounter the challenge of rapid nasal mucociliary clearance. Indian journal of pharmaceutical education. 10.5530/ijper.53.2.x.
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- **Belgamwar V.S.**, Kawtikwar P.S., Phutane G.P., Belgamwar A. V., Design and evaluation of microcapsules containing Ciprofloxacin hydrochloride for sustained release, **Indian drugs** 2008, vol 45(7), 553-557.

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Belgamwar A.V., Gupta A.M., Mundhada D.R., **Belgamwar V.S.**, Kawtikwar P.S. Fast release Carbamazepine tablets for kids, **The Indian Pharmacist**, Vol. VI, No.63, Sept 2007, 67-70.

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Annexure- II

International/National Research presentation

- An Overview On Tuberculosis: Novel drug delivery approach, and worldwide treatment, (Oral presentation, co-authored) In India International Science Festival 2020, YOUNG SCIENTISTS' CONFERENCE, 22nd to 25th Dec 2020, on virtual Platform.
- Design and development of Spray dried microspheres: *in-vitro* and *in-vivo* evaluation, (**oral mode**) (Presented at AIMST International Pharmacy Conference Malaysia on 30th Nov- 1st Dec, 2019)
- New surface functionalized nanoemulsion for nose to brain delivery, (**poster mode**) (Two days International symposium on Advances in Technology & Business potential of new drug delivery systems organized by Controlled release society Indian chapter, Mumbai on 23rd & 24th Feb 2018).
- Soya Lecithin: An excellent stabilizer in Valsertan loaded nanostructured lipid carriers (**Oral mode**) (In 2nd International Congress of the Society for Ethanopharmacology, validation of medicinal and traditional medicine-Global perspectives, Nagpur, Feb 20-22, 2015).
- Solubility and dissolution rate improvement of Simvastatin via phospholipid complexation (**Oral mode**) (3rd International Congress of the society for ethanopharmacology, India Ethanopharmacology & evaluation of medicinal plants-Global perspectives, Raipur, 19- 21 Feb 2016).
- Development and characterization of an orodispersible film containing antiemetic drug (**poster mode**) (Dubai International Pharmaceuticals & Technologies Conference & Exhibitions DUPHAT 15-17 March 2016 at Dubai).
- Atorvastatin loaded nanostructured lipid carriers for improvement of oral bioavailability via lymph targeting (**Poster mode**) (12th International symposium on Advances in Technology & Business potential of New drug delivery systems at Mumbai on 09th - 10th February 2012, organized by **CRS society**, Indian chapter).
- Current nutraceuticals in the management of arthritis in (XIII Annual Scientific Session of Nutrition Society of India, Nagpur Chapter Poshak Aahar Deshka Aadhar) organized by Department of Pharmaceutical Sciences RTM Nagpur University in association with Society for Ethnopharmacology India, Nagpur Chapter (28/09/14)

Annexure-III Seminars/Workshops/Conferences attended

- **Chairman** in 72nd Indian Pharmaceutical Sciences Congress during 20-22 January, 2022.
- **Chairperson** in the Section Medical Sciences (Including Physiology) during the 108th Indian Sciences Congress held at Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur from 3 to 7 January, 2023.
- Worked as Judge for poster evaluation at DBCOP Nagpur on 3-4 Sept. 2022, AICTE sponsored two days National online conference on QbD product development perspective
- **Coordinator** in a One-week National Level Online Workshop held from February 14-18, 2022 on the theme of Drafting Research Publication, Funding Proposal & Ethical Conduct of Research in association with Internal Quality Assurance Cell (IQAC), R. T. M. Nagpur University, Nagpur (MS), and India.
- **Chairperson** in One-week National Level Online Workshop held from February 14-18, 2022 on the theme of Drafting Research Publication, Funding Proposal & Ethical Conduct of Research in association with Internal Quality Assurance Cell (IQAC), R. T. M. Nagpur University, Nagpur (MS), and India.
- Attended one-day National Webinar on “Nanotechnology in Health Care: Challenges and Opportunities” organized by the Department of Pharmaceutics, Institute of Pharmacy, Nirma University in association with Controlled Release Society Indian Chapter on 28/10/2021
- Participated in 19th International e-symposium(online mode) of CRSIC on Advances in Technology & business potential from 25-27/02/2021
- Attended National Workshop Series on “e- Content Development & Research Paper & Research Proposal writing” organized by Nutrition Society of India, (Nagpur Chapter) from 13th February 2021 to 6th March 2021 (15 days)
- Participation in an Online National Level Workshop on 'Manufacturing, Characterization and Applications of Monoclonal Antibodies' organized by CRS Indian Chapter on 10/10/2020.
- Attended National Conference on ‘Herbals: Past, Current and Future Perspective’ on 21/12/ 2020 organized by Smt. Kishoritai Bhoyar College of Pharmacy Kamptee.
- Participated in webinar on Generic Drug Development organized by Rajarshi Shahu College of Pharmacy Buldana, on 10/05/2020
- Participated in webinar on paediatric drug development on 09/05/2020 by NMIMS Hyderabad
- Attended & delivered talk on Applications of Design Expert software for formulation optimization in Faculty Development Programme, organised by P. Wadhawani College of Pharmacy, Yavatmal, on 5th-9th May 2020.
- Organizing Committee member and Chairman of Session (Power Talk) at The XVI Annual Scientific Session of NSI Nagpur Chapter on 01/02/2020.
- Judged & attended two day International Conference organised by Dadsaheb Balpande College of Pharmacy, Besa Nagpur on Invigorating Research in Pharmaceuticals: Reasonable Industrial Approach at Society for Research Development in Health Sciences International Seminar 14-15/02/ 2020.
- Attended & presented research paper (oral mode) in two day AIMST International pharmacy conference 2019 Faculty of Pharmacy, AIMST University, Jalan Semeling - Bedong, Kedah Darul Aman, Malaysia from 30/11/2019 & 01/12/2019 on topic entitled Design and development of spray dried microspheres for improved solubility and dissolution of Anti-hyperlipidemic drug: in-vitro and in-vivo evaluation.
- Organizing Committee member and Judge (Poster session) at CRS Indian Local Chapter, Nagpur on 17/11/19.

- Participated in 2nd and 3rd Dr. A.K. Dorle memorial lecture series in the capacity of organizing committee member, organized by Alumni Association UDPS & PSA on 22/03/17 & 14/03/2018 resp.
- Swayam & MOOCs, organized by RTM Nagpur University on 27/03/18.
- Nature to futuristic medicines on the occasion of National Science Day, organized by Department of Pharmaceutical Sciences, RTM Nagpur University, Nagpur on 28th February 2017.
- Modern approaches in Pharmaceutics, organized by Zim laboratories, Nagpur & UDPS on 15/07/2017.
- Conservation of lokswasthya Parampara, organized by Dept. of Pharmaceutical Sciences & FDCM, on 22/07/2017.
- Man is the product of his own thoughts, organized by Career and counselling cell, RTM Nagpur University, Nagpur on 4/3/2017.
- Techniques in Molecular biology (two days workshop), organized by HiMedia labs. Pvt. Ltd. Dept, University Dept of Biochemistry on 23/02/2017.
- Gefitinib loaded nanostructured lipid carriers for improvement of oral bioavailability (13th International symposium on Advances in technology & Business potential of New drug delivery systems at Mumbai on 22nd – 23rd January 2013, organized by **CRS society**, Indian chapter).
- Raloxifene HCl loaded nanostructured lipid carriers for improvement of oral bioavailability via lymph targeting (13th International symposium on Advances in technology & Business potential of New drug delivery systems at Mumbai on 22nd – 23rd January 2013, organized by **CRS society**, Indian chapter).
- Attended two days workshop on Intellectual Property Rights Organized by patent cell Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur on 26th and 27th Oct 2013.
- Atorvastatin loaded nanostructured lipid carriers for improvement of oral bioavailability via lymph targeting (12th International symposium on Advances in Technology & Business potential of new drug delivery systems at Mumbai on 09th - 10th February 2012, organized by **CRS society**, Indian chapter).
- Current Trends & Recent Advancements on Herbal Formulations, AYUSH sponsored, (23rd & 24th Feb. 2012) at RCPIPER, Shirpur
- University of Pune sponsored 3 days National level seminar on **Design, Development and processing of sterile dosage forms** on topic, Formulation, Development and Evaluation of Immediate release Tenoxicam tablet on 7th – 9th January 2011 (Co-authored).
- Microwave Induced solubility enhancement of poorly water soluble drug : Irbesartan (11th International symposium on Advances in technology & Business potential of New drug delivery systems at Mumbai on 16th - 17th February 2011, organized by **CRS society**, Indian chapter).
- Won 3rd prize in University of Pune sponsored 3 days National level seminar on **Advances and Trends in Drug Development process** on topic “Statistical optimization of Verapamil HCl Floating pulsatile delivery system using Florite RE for chronotherapy of Ischemic Heart disease” on 5th - 7th march 2011.
- Formulation & evaluation of sustained release pellets of Ambroxol HCl by powder layering technology. International conference organized by CRS society, Indian chapter, Feb. 2009
- Formulation and evaluation of floating tablet of Cefadroxil monohydrate in **International conference on Drug discovery and Nanotechnology**, Jan 27-29, 2009 at Nanded, M.S.
- Formulation and optimization of mouth dissolve tablets containing taste masked Metoclopramide HCl (8th International symposium on Advances in technology & Business potential of New drug delivery systems at Ahmedabad on 26th - 27th Feb 2008, organized by **CRS society**, Indian chapter, co-authored)
- Topical delivery of Flurbiprofen from Pluronic lecithin organogel (8th International symposium on Advances in technology & Business potential of New drug delivery systems at Ahmedabad on 26th - 27th Feb 2008, organized by **CRS society**, Indian chapter, co-authored)

- Novel effervescent agents for gastro retentive drug delivery system (8th International symposium on Advances in technology & Business potential of New drug delivery systems at Ahmadabad on 26th-27th Feb 2008, organized by **CRS society**, Indian chapter, co-authored)
- Screening Techniques in Experimental Pharmacology on 1st and 2nd October 2007.
- FEEL Teachers Programmed at R.C. Patel College of Pharmacy, Shirpur from 10 to 12 January 2006.
- Challenges and difficulties in Standardization of herbal products at College of Pharmacy, Shahada on 22/07/2006
- Recent Trends in Phytomedicines and Nutraceuticals at R.C.Patel College of Pharmacy, Shirpur from 05 to 06/11/2006

Annexure-IV

International Oral/Poster Presentation

- An Overview On Tuberculosis: Novel Drug Delivery Approach, And Worldwide Treatment, **(oral mode)** (Coauthored in Young Scientists' Conference, India International Science Festival -2020, on 22-25th Dec 2020)
- Formulation and evaluation of pluronic lecithin organogels as a topical drug delivery system **(Poster mode)** (Co-authored in 18th International Symposium on Advances in Technology and Business Potential of New Drug Delivery Systems, 28th and 29th February 2020)
- Formulation and characterization of Paclitaxel nanoparticulate drug delivery system for cancer **(Poster mode)** (Co-authored in 18th International Symposium on Advances in Technology and Business Potential of New Drug Delivery Systems, 28th and 29th February 2020)
- Optimization of transdermal drug delivery system of nanoparticles loaded with Bromocryptine Mesylate for parkinsonism **(Poster mode)** (Co-authored in 18th International Symposium on Advances in Technology and Business Potential of New Drug Delivery Systems, 28th and 29th February 2020)
- Orodispersible Film: A Novel And Innovative Drug Delivery System, **(Poster mode)** (Co-authored in Young Scientists' Conference, India International Science Festival -2019, Kolkata, on 5th-7th 2019)
- Nose to brain targeted drug delivery of Rizatriptan benzoate nanoparticles for Migraine **(Poster mode)** (Co-authored in Young Scientists' Conference, India International Science Festival -2019, Kolkata, on 5th-7th 2019)
- Raloxifene HCl loaded nanostructured lipid carriers for improvement of oral bioavailability via lymph targeting **(Poster mode)** (Co-authored) (13th International symposium on Advances in technology & Business potential of New drug delivery systems at Mumbai on 22nd – 23rd January 2013, organized by **CRS society**, Indian chapter).
- Gefitinib loaded nanostructured lipid carriers for improvement of oral bioavailability **(Poster mode)** (Coauthored) (13th International symposium on Advances in technology & Business potential of New drug delivery systems at Mumbai on 22nd – 23rd January 2013, organized by **CRS society**, Indian chapter).
- Microwave Induced solubility enhancement of poorly water-soluble drug: Irbesartan (11th International symposium on Advances in technology & Business potential of New drug delivery systems at Mumbai on 16th - 17th February 2011, organized by **CRS society**, Indian chapter).
- Formulation and evaluation of floating tablet of Cefadroxil monohydrate **(Poster mode)** International conference on Drug discovery and Nanotechnology, Jan 27-29, 2009 at Nanded, M.S.
- Formulation & evaluation of sustained release pellets of Ambroxol HCl by powder layering technology **(Poster mode)** International conference organized by CRS society, Indian chapter, Feb.2009

- Novel effervescent agents for gastro retentive drug delivery system (**Poster mode**) (Co-authored) (8th International symposium on Advances in Technology & Business potential of New drug delivery systems at Ahmadabad on 26th-27th Feb 2008, organized by **CRS society**, Indian chapter)
- Topical delivery of Flurbiprofen from Pluronic lecithin organogel (**Poster mode**) (Co-authored) (8th International symposium on Advances in technology & Business potential of New drug delivery systems at Ahmedabad on 26th-27th Feb 2008, organized by **CRS society**, Indian chapter)
- Formulation and optimization of mouth dissolve tablets containing taste masked Metoclopramide HCl (**Poster mode**) (Co-authored) (8th International symposium on Advances in technology & Business potential of New drug delivery systems at Ahmadabad on 26th-27th Feb 2008, organized by **CRS society**, Indian chapter)

National Oral/Poster presentation

- Development and evaluation of *in-situ* gelling system for nose to brain drug delivery, (**Poster mode**) (Coauthored in CRS IC Nagpur, local chapter on 17th November, 2019)
- Formulation and characterisation of tablet by using different grades of microcrystalline cellulose (**Poster mode**) (Co-authored in CRS IC Nagpur, local chapter on 17th November, 2019)
- Formulation and evaluation of drug phospholipid complex for improved solubility (**Poster mode**) (Coauthored in CRS IC Nagpur, local chapter on 17th November, 2019)
- Nature to futuristic medicines on the occasion of National Science Day, (**Poster mode**) organized by Department of Pharmaceutical Sciences, RTM Nagpur University, Nagpur on 28th February 2017.
- Won 3rd prize in University of Pune sponsored 3 days National level seminar on **Advances and Trends in Drug Development process** on topic “Statistical optimization of Verapamil HCl Floating pulsatile delivery system using Florite RE for chronotherapy of Ischemic Heart disease” on 5th - 7th march 2011.
- Won 2nd prize in University of Pune sponsored 3 days National level seminar on **Design, Development and processing of sterile dosage forms** on topic “Formulation, Development and Evaluation of Immediate release Tenoxicam tablet” on 7th – 9th January 2011
- Intragastric sustained release mucoadhesive tablet of Captopril (**oral presentation in IPC 2005** at Hyderabad.)
- Design and evaluation of sustained release dispersible tablets of Carbamazepine for kids (Co-authored in **IPC 2005**, at Hyderabad, accepted for **oral presentation**)
- Evaluation of Prescription by physician for rational drug therapy in Yavatmal city. (Co-authored in **IPC 2004, at Kolkata.**)
- Biomedical waste and its disposal. (Co-authored in **IPC 2004**, at Kolkata)
- Study on Anti-inflammatory activity of *Fleuggea Viros* (Euphorbiaceae) by oral & topical route of administration. (Co-authored in **IPC 2003**, at Chennai).
- Formulation, Development & evaluation of Novel Herbal Anti-inflammatory gel. (Co-authored in **IPC 2003**, at Chennai)