



PERMANENT ADDRESS:

Mr. Nitin Rajendra Shirsath
Plot no. 46, Sugandhakarshan
society, Deopur, Dhule-424005,
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PRESENT ADDRESS:

Mr. Nitin Rajendra Shirsath
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Maharashtra, India.

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Personal Details:

Date of Birth : 05/02/1993
Sex : Male
Nationality : Indian
Marital Status: Un-Married

CURRICULUM VITAE

Career Objective

Seeking for challenging assignment in the Pharmaceutical Organisation, I would like to be a part of organization team that has the potential of recognition as well as enhancement of my skills.

Professional Qualification

Pursuing full time **Ph.D** in Chemical Technology (Pharmaceutical Tech.) at University Institute of Chemical Technology (UICIT), KBC North Maharashtra University (KBCNMU), Jalgaon, Maharashtra, India. (Reg. No. KBCNMU/11/Ph.D./Chem. Tech./1370/2018).

Completed **M. Pharmacy** in Pharmaceutics with **71.38%** (First class with Distinction), in A.R.A. college of Pharmacy, Nagaon, Dhule, Maharashtra, Aug.2017.

Completed **B. Pharmacy** with **76.33 %** (First class with Distinction), in Gangamai College Of Pharmacy, Nagaon, Dhule, Maharashtra, June 2015.

Academic Qualification

H.S.C From Science and Art Jr. College, Nagaon, Dhule, Maharashtra state Board, Nasik, **68%** (First Class), in Feb-2011.

S.S.C From Shankar Pandu Mali High School, Shirpur, Maharashtra state Board. Nasik, **71.38%** (First class with Distinction), June 2009.

Achievements

1. **GPAT (Graduate Pharmacy Aptitude Test)** Qualified in year 2015, (**All India Rank 2200**).
2. First Rank in M. Pharmacy (Institutional level).
3. Second Rank in B. Pharmacy (Institutional level).
4. Got **Second Prize** in National level Poster presentation held by Gangamai college of Pharmacy, Nagaon, Dhule.

Dissertation topic

Ph.D work - Formulation, Development and Evaluation of Carrier-Based Novel Drug Delivery System of Different Drugs.

M. Pharmacy work -Formulation and evaluation of Famotidine solid dispersion tablets for their solubility enhancement.

Experiences:

1. One (1) year experience as **Assistant professor** at Gangamai College of pharmacy, Nagaon, Dhule, Maharashtra.

2. Currently working as **Research Assistant** under TEQIP-III MHRD (World Bank) at University Institute of Chemical Technology (UIC), KBC North Maharashtra University, Jalgaon, Maharashtra, India from **May-2018 to till date**.

Approval:

Approval as **Assistant Professor** in subject of Pharmaceutics by North Maharashtra University, Jalgaon.
(Ref. No.-NMU/18/643/2018)

Fellowship Received:

I have been received fellowship from TEQIP-III, MHRD, Govt. of India to pursuing full time Ph.D from May-2018.

Research Publications

1. Shirsath NR, Goswami AK. Design and Development of Sustained Release Vildagliptin-Loaded Silica Nanoparticles for Enhancing Oral Bioavailability. *BioNanoScience*. 2021 Jun;11(2):324-35.
2. Shirsath NR, Goswami AK. Vildagliptin-loaded gellan gum mucoadhesive beads for sustained drug delivery: design, optimisation and evaluation. *Materials Technology*. 2020 Jul 10:1-3.
3. Shirsath NR, Goswami AK. Design and development of solid dispersion of valsartan by a lyophilization technique: A 32 factorial design approach. *Micro and Nanosystems*. 2021 Mar 1;13(1):90-102.
4. Nitin R. Shirsath and Ajaygiri K. Goswami, Nanocarriers Based Novel Drug Delivery as Effective Drug Delivery: A Review, *Current Nanomaterials* (2019) 4: 71-83.
5. Nitin R. Shirsath and Ajaygiri K. Goswami, Natural Phytochemicals and Their Therapeutic Role in Management of Several Diseases: A Review, *Current Traditional Medicine* (2020) 6: 43.
6. Shirsath NR, Jagtap VA, Goswami AK, Formulation and Development of Famotidine Solid Dispersion Tablets for their Solubility Enhancement. *Indian J of Pharmaceutical Education and Research*. 2019;53(4s):s548-s53.
7. Nitin R. Shirsath, Ajaygiri K. Goswami, Pharmacognostical and Phytochemical Characterization of Stem of *Cassia Spectabilis*. Published in *Navigating the Future, proceedings of ICGTSTHCM-19 - International conference on global trends in technology, science, and management, At Bambhori, Jalgaon*. ISBN- 978-93-88544-95-5 (2019).
8. Sagar R. Pardeshi, Harshal A. Mistari, and Nitin R. Shirsath, Development and Optimization of Sustained Release Moxifloxacin Hydrochloride Loaded Nanoemulsion for Ophthalmic Drug Delivery: A 32 Factorial Design Approach, *Micro and Nanosystems* (2020) 12: 1(Accepted).

Presentation/seminars attended

Presentation:

- Research paper presented in CHEMCON-2018 International conference held by Dr. B.R. Ambedkar National institute of technology (NIT), Jalandhar, Punjab, on Topic entitled "A carrier based novel strategy as effective drug delivery: review".
- Research paper presented in ICGTSTHCM-19 International conference on global trends in technology, science, and management, at SSBTCOE, Bambhori, Jalgaon. On topic entitled "Discovery of pharmacognostical parameter of stem of *cassia spectabilis*".

Equipment Handling:

- (1) UV Spectrophotometer,
- (2) FTIR Spectrophotometer,
- (3) Particle Size Analyzer,
- (4) Zetasizer,
- (5) USP Dissolution Apparatus,
- (6) High Pressure Homogenizer,

Google Scholar Citations:

Citations	14
h- index	2
i10- index	0

Software Handling:

- (1) Design Expert Software (QbD),
- (2) Origin 8,
- (3) Mendeley,
- (4) MS- Word, Excel etc.

Languages Known:

- English
- Hindi
- Marathi

- Presented paper in National conference on Recent Advances in Polymer Technology (RAPT 2020) at UICT, KBCNMU, Jalgaon. On topic entitled “Formulation, Optimization and Evaluation of Solid Dispersion of Valsartan by a Lyophilization Technique: Solubility Enhancement Approach” held on 31 jan to 1 feb 2020.
- Research paper presented in CHEMIX-2019 National conference held by Visvesvaraya National institute of technology (NIT), Nagpur, Maharashtra, on Topic entitled as ”Discovery of pharmacognostical parameter of stem of *cassia spectabilis*”.
- Poster presented in Aviskar-2014 held by North Maharashtra University, Jalgaon, on topic entitled as “In vitro evaluation Of Antacid Potential of Curcuma Longa”.
- Poster presented held by Gangamai Institute of Pharmacy, Nagaon, Dhule, on topic entitled as “Oral Disintegration Tablet Dosage Form”.
- Power Point presented in National conference held by P.S.G.V.P.Mandal’s College of Pharmacy, Shahada on topic entitled as “Research Methodology”.
- Poster presented held by H.R. Patel institute of pharmaceutical education and research, Jalgaon, on Topic entitled as “In vitro evaluation of Antacid Potential of *Curcuma Longa*”.

Seminars:

- Attended Two Days International Workshop on "Quality by Design"-Practical implementation of Tools & Tactics of QbD & L6σ in Pharma Product Development” at Avion Hotel, Vile Parle, Mumbai.
- Attended one Day National Seminar on “Intellectual property right and patent system in India”, Conducted by KBC North Maharashtra University, Jalgaon, Maharashtra.
- Attended one Day Seminar on “Youth Technologist Startup Conclave-2019” Conducted by University Institute of Chemical Technology, KBC North Maharashtra University, Jalgaon, Maharashtra.
- Attended One day National Conference On “CADD, QSAR AND DOKING” organised by Gangamai college of Pharmacy, Nagaon, Dhule.
- Attended Two Day National Conference On “Pharmacy & Medication Management ABMH Pharmacon-2014” Conducted by Aditya Birla Memorial Hospital, Pune.
- Attended one day National Conference On “Regulatory Affairs, Patenting and Future prospects of Pharmacist” by Gangamai college of Pharmacy, Nagaon, Dhule.
- Attended two Day National workshop entitled “Advanced Instrumentation and Characterizations” at UICT, KBCNMU, Jalgaon on 3-4th Feb-2020.

References :

Dr. Jitendra B. Naik

Director,
University Institute of Chemical
Technology (UIC),
KBC North Maharashtra
University, Jalgaon,
Maharashtra, India.

Dr. Ajaygiri K. Goswami

Associate Professor and HOD
Pharmaceutical Technology,
University Institute of Chemical
Technology (UIC),
KBC North Maharashtra
University, Jalgaon,
Maharashtra, India.

- Attended one Day National Seminar on “Recent Advances in the Analytical Research” Conducted by A.R.A. College Of Pharmacy, Nagaon, Dhule.
- Attended Two days State level Workshop on “Scientific Identification of Plants” at S.S.V.P.S. College, Shindkheda.
- Attended One Day seminar on Basics and applications of HPLC and LCMS, held on 14th oct. 2019 at KBCNMU, Jalgaon.
- Attended one day National Conference On “Application of Spectroscopy” organised by Gangamai college of Pharmacy, Nagaon, Dhule.
- Attended one day Seminar On “Employability Enhancement Workshop” organised by Gangamai college of Pharmacy, Nagaon, Dhule.
- Attended One Week Workshop on Material characterizations and instrumentation techniques at UIC, KBCNMU, Jalgaon, from 15-20th July 2019 under aegis of TEQIP-III.
- Attended Two Days Triveni Business Summit-2020, held on 11-12th Jan 2019 at KBCNMU, Jalgaon.

Member:

Member of Association Of Pharmacy Professionals (APP)
(Membership Number is APP/MH/SM-063/14).

Declaration

I hereby declare that all information provided by me is true, as per best of my knowledge.

Date:

Place: Dhule, Maharashtra.

Yours faithfully,

(Shirsath Nitin R.)