


Resume

Personal Details

Name	Dr. Ujwala Shivaji Desai	
Date of Birth	13 th February 1989	
Sex	Female	
Nationality	Indian	
Status	Married	
Languages	English, Hindi, Marathi, Konkani	
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Scopus Id	57209339167	
Researcher Id	AGP-6854-2022	
Vidwan Id	378161	
Department	Pharmaceutics	

Objective

- To work in a challenging and growth oriented environment which gives me ample opportunities for innovation and continuous learning.
- To perform as a team player, striving for excellence and growth of the organization
- To be a compliant and vigilant employee.

Academic details

Qualification	School/ college Institute	Percentage	Class	Year of Passing
PhD (Pharmaceutics)	PES' Modern College of pharmacy, Pune (SPPU) Registered: 14/08/2014	NA	NA	2019
M. Pharm (Pharmaceutics)	PES' Modern College of Pharmacy, Pune (SPPU)	73.78%	First class with distinction	2013
B. Pharm	MVP's College of Pharmacy, Nashik (SPPU)	64.75%	First class	2011
H.S.C	HPT Arts & RYK Science College, Nashik.	75.5%	First class with distinction	2007

S.S.C	Adarsha English Medium School, Nashik (Maharashtra State Board)	82 %	First class with distinction	2005
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Area of Interest

- Research & Development
- Formulation and Development
- Quality control and Quality assurance

Project Details

M.Pharm Project details:

Title	Development and evaluation of microparticles formed by controlled crystallization techniques: Optimization of process parameters
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PhD Project details:

Title	Niosomal in situ ocular gel
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Currently working

- Assistant Professor at P.E. Society's Modern College of Pharmacy, Nigdi, Pune from July 2019 to till date.

Work Experience

- Lecturer (Visiting Faculty for B.Pharm and M.Pharm) at P.E. Society's Modern College of Pharmacy, Nigdi, Pune from August 2016 to May 2017.

Subjects Taught

- Pharmaceutics
- Pharmaceutical Microbiology
- Industrial Pharmacy I
- Novel Drug Delivery System
- Pharmaceutical Engineering
- Physical Pharmaceutics II
- Pharmaceutical Formulations
- Hazards and Safety management
- Pharmaceutical Manufacturing Technology

Patents filed: 5

- Herbal Chewing gum for mouth infection
- Herbal facewash tablet for cleaning and exfoliation purpose
- Herbal chewing gum for mouth ulcers
- Herbal dermal patch for tinea infections
- Herbal ointment for tinea infections

Design Patents filed: 3

- Midazolam pen for epilepsy emergency
- An instrument containing PACT and electric stimulation for wound healing.
- An ocular device

Design Patents granted: 5

- Disintergration test apparatus for chewable tablet
- Insulin pen for monotherapy and multiple dose
- Insulin pen for monotherapy, combinational therapy and multiple dose
- Rat trap
- Modified PACT device

Copyright filed:6

- Modified PACT device
- Disintergration test apparatus for chewable tablet
- Insulin pen for monotherapy and multiple dose
- Insulin pen for monotherapy, combinational therapy and multiple dose
- Midazolam pen for epilepsy emergency
- An instrument containing PACT and electric stimulation for wound healing.

Poster Presentation: 2

- Participated in Avishkar Poster Presentation 2012(Regional level) as a delegate and presented paper entitled 'Preparation and evaluation of liquisolid tablet by using celite a nanoporous material: effect of variables'.
- Participated in Avishkar Poster Presentation 2016 (State level) as a delegate and presented paper entitled 'Formulation and evaluation of niosomal in situ gel for ocular drug delivery.'

Published Articles: 17**A. Review Articles: 9**

- A Review on "**A Review: Coprocessed Excipients-An Alternative to Novel Chemical Entities**" published in International Journal of Pharmaceutical and Chemical Sciences (IJPCS) Vol 1, Issue 4, Oct-Dec 2012; 1480-1498. (National journal)
- A Review on "**Carbon Nanotubes**" published in International Journal of Pharmaceutical Science Research and Review (IJPSRR) Vol 13, Issue 1, March-April 2012; Article no-022(Impact factor: 2.544). (National journal)

- A Review on “**Nanosuspension**” published in International Journal of Pharmaceutical Science Research and Review (IJPSRR) Vol 13, Issue 1, March-April 2012; Article no-021(Impact factor: 2.544). (National journal)
- A Review on “**Recent applications of hyphenated liquid chromatography techniques in forensic toxicology**” published in International Journal of Pharmaceutical Science Research and Review (IJPSRR) Vol 14, Issue 1, 2012; Article no-012(Impact factor: 2.544). (National journal)
- A Review on “**Coprocesed excipients**” published in International Journal of Pharmaceutical Science Research and Review (IJPSRR) Vol 12, Issue 2, 2012; Article no-019(Impact factor: 2.544). (National journal)
- A Review on “**Melt granulation: an alternative to traditional granulation technique**” published in Indian Drugs, Vol 50, Issue 3, March 2013; 5-13. (National journal)
- A Review on “**A review on use of Lithium in bipolar disorders**” published in Indian Drugs Vol 50, Issue 9, Sept 2013; 5-17. (National journal)
- Review on: “**Antiinflammatory Drugs**” published in Journal of Emerging Technologies and Innovative Research, Vol10, Issue 5, 2023 10-14. (National Journal)
- Review on: “**Supramolecular Drug Delivery System**” published in Journal for Basic Sciences, Vol 23, Issue 6, 2023, 280-89. (National Journal)

B. Research Articles: 7

- A Research article on “**Formulation and evaluation of microparticles formed by in situ micronization technique: Optimization of process parameters**” published in American Journal of Pharm Tech and Research (AJPTR) Vol 3, Issue 4, 2013; 877-899 (Impact factor: 0.9832). (National journal)
- A Research article on “**Formulation and evaluation of microparticles formed by amphiphilic crystallization technique: Optimization of process parameters**” published in World Journal of Pharmaceutical Research (WJPR)Vol 3, Issue 7, Sept 2014, 1025-1054 (Impact Factor 6.805). (International journal)
- A Research article on “**Synthesis and evaluation of water insoluble but swellable bioadhesive polymer for ocular drug delivery**” published in Indian Journal of Pharmaceutical Education and Research (IJPER)Vol 53, Issue 2, April-June 2019, 226-236 (Impact Factor 0.35). (National journal)
- A Research article on “**Formulation and evaluation of niosomal in situ gel of prednisolone sodium phosphate for ocular drug delivery**” published in International Journal of Applied Pharmaceutics (IJAP) Vol 11, Issue 2, March 2019, 97-116 (Impact Factor 1.29). (National journal)
- Case report on “**Bullous Pemphigoid: A Fatal Skin Condition**” published in Innovative journal of Medical and health science Vol 10, Issue 9, 2020, 1253-1255. (National journal)

- A Research article on **“Aceclofenac solubility enhancement by sono-precipitation method: Formulation, Optimization, Characterization and in vitro evaluation”** in Journal of advanced Scientific Research, Vol 13, Issue 9, 2022, 33-47. (International Journal)
- A Research article on **“Analytical Method Development and Validation of UV Visible spectrophotometric method for the estimation of climbazole”** in International Journal of Pharmaceutical Sciences and Research, Vol 14, Issue 12, Dec 2023, 1000-06. (National Journal)

Total Citations: 165

h index: 7

i10 index: 6

Book Chapters published: 1

- A book chapter on **“Ophthalmic Niosomal Insitu gel”** in Recent advances in Pharmaceutical sciences, vol 9, chapter 9, published by Innovare academic sciences Pvt Limited, Pg No. 102-27

Conference Proceedings: 8

- **Antidrug antibodies: A tool for diagnosis and treatment”** in conference entitled Emerging trends in pharmaceutical care in digital era in 2022
- **Bioinformatic tools in clinical research** in conference entitled Emerging trends in pharmaceutical care in digital era in 2022
- **Artificial intelligence in pharmaceutical science** in conference entitled Emerging trends in pharmaceutical care in digital era in 2022
- **Artificial intelligence in drug discovery** in conference entitled Emerging trends in pharmaceutical care in digital era in 2022
- **Softwares used in medical coding** in conference entitled Emerging trends in pharmaceutical care in digital era in 2022
- **Artificial intelligence in healthcare** in conference entitled Emerging trends in pharmaceutical care in digital era in 2022
- **Potential applications of human machine interface technology in healthcare** in conference entitled Emerging trends in pharmaceutical care in digital era in 2022
- **Development of terbinafine hydrochloride niosomal in situ gel for ophthalmic drug delivery** in conference entitled Emerging trends in pharmaceutical care in digital era in 2022

Articles Reviewed as a Reviewer: 10

- A Research article entitled **““PRELIMINARY QUALITATIVE & QUANTITATIVE PYTOCHEMICAL PROFILING OF ARISTOLOCHIA TAGALACHAM. A RARE MEDICINAL PLANT.””** Reviewed in International Journal of Life science and Pharma Research (29/06/2020).

- A Research article entitled “**SCIENTOMETRIC STUDY ON DYSLIPIDAEMIA**” in Journal of Pharmaceutical Research International (10/06/21).
- A research article entitled “**SLA 3D printing technology in microneedles**” in Journal of Pharmaceutical Research International (4/1/2022).
- A research article entitled “**Fabrication and evaluation of AMPS- based enteric coated hydrogel beads: A promising tool for colon targeting**” in AAPS PharmSciTech (12/10/23)
- A review article entitled “**The Pharmovation Revolution: Unleashing the impact of Hackathons on Pharmacy Students**” in Journal of Pharmacy Practice (1/9/2023).
- A research article entitled “**Potential application of iconoic liquid 1,4-diazabicyclo-octane for enhanced buccal permeability of diphenhydramine hydrochloride in oral dissolving film**” in current drug delivery (9/6/23).
- A research article entitled “**Loteprednol loaded nanoformulations for corneal delivery by QBD concept: Optimization, Characterization and anti-inflammatory activity**” in AAPS PharmSciTech (10/2/23).
- A research article entitled “**A novel approach for the availability and ocular delivery of tenoxicam potassium: synthesis, characterization and in vivo application**” in AAPS PharmSciTech (9/12/23).
- A research article entitled “**Comparative analysis of research output of Tamil Nadu Agricultural University as reflected in scopus and web of science**” in Asian journal of agricultural extension economics and sociology. (28/10/22)
- A research article entitled “**Autism spectrum Disorders: An assessment of the knowledge and awareness of Hospital Pharmacists in Nigeria**” in Journal of Pharmacy Practice (28/3/22).

Achievements

- Runner up in poster presentation at D Y Patil International Conference 2023 (Title: Formulation and evaluation of terbinafine hydrochloride niosomal gel for ocular drug delivery)

Technical Skills

- Can operate instruments like Spray dryer, R & D coater, UV spectrometer, IR spectrometer, Dissolution apparatus, Disintegration apparatus, High pressure homogenizer, Probe sonicator, Motic microscope, Fluidised Bed Dryer, Brookefield Viscometer, Centrifuge, Diffusion apparatus, Freeze dryer, Particle size analyzer, HPLC, Film former, Tablet punching Machine, Fluorescent Microscope.