

# CURRICULUM VITAE

## NAMDEV LAXMAN DHAS

Email: [namdevdhas89@gmail.com](mailto:namdevdhas89@gmail.com), cell: +91 8446912222/ 7284087284

---



### Education

- Completed **PhD** from Nirma University, Ahmedabad in **2021**
- Completed **Master's in Pharmacy** from North Maharashtra University with first class, in **2013**.
- Completed **Bachelor's in Pharmacy** from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra with first class, in **2011**.
- Completed **H.S.C** from Maharashtra State Board, Maharashtra, in **2007**, with **80.33%**.
- Completed **S.S.C** from Maharashtra State Board, Maharashtra, in **2005**, with **69.73%**.

### Research Index

- ✓ Cumulative Impact Factor: **110.915**
- ✓ Total Citations: **245**
- ✓ h-index: **8**
- ✓ i10 index: **7**
- ✓ Researchgate (RG) score: **24.12**

### Academic Appointment

- Currently joined as **Assistant Professor** at SRES Sanjivani College of Pharmaceutical Education and Research, Kopergaon, Maharashtra from **28<sup>th</sup> January, 2021**.
- As an **Assistant Professor**: joined at R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dhule, Maharashtra during **2013-2015**

### Research Experience

- **Project 1: Development and Characterization of Core/Shell nanoparticles for the treatment of Alzheimer's disease using non-invasive approach. (2016)**
  - ✓ Development of core shell nanoparticles using quality-by-design approach incorporating various therapeutic moieties.
  - ✓ Explored nose to brain route for efficient targeting
- **Project 2: Box-Behnken Study Design for Optimization of Bicalutamide-Loaded Nanostructured Lipid Carrier: Stability Assessment. (2013)**

- ✓ Optimization of nanostructured lipid carrier for cancer therapy.
- ✓ Explored nanostructured lipid carrier for the treatment of cancer.
- ✓ Explored the stability study at different pH and accelerated stability study
- **Project 3: Design, Optimization and *In-vitro* study of Folic acid conjugated-Chitosan Functionalized PLGA Nanoparticles for delivery of Bicalutamide for Prostate Cancer. (2012)**
- ✓ Explored the Box-Behnken design for the optimization of PLGA nanoparticles.
- ✓ Explored the surface modification of folic acid-chitosan for enhancing target efficiency
- ✓ Examined interaction of polymeric nanoparticles with blood protein, blood cells.

### Awards/ Honors

- Nominated at 2<sup>nd</sup> position for “**Best Researcher Award**” by **Nirma University** on the occasion of foundation day-**2020**
- Selected for “**Young Researcher Award**” by Institute of Scholars in **2020**
- Awarded **CSIR-Senior Research Fellowship** for PhD, **2018**.
- Awarded **ICMR-Senior Research Fellowship** for PhD, **2018**
- Awarded Nirma University **Junior Research Fellowship** for PhD, **2016**
- **1<sup>st</sup> prize for poster presentation** at university level **Avishkar-2014** and was selected for State level, 2014.
- **Best poster award** in international conference **GOLD-CT-2014**.
- Worked as **sport secretary** during Bachelor in pharmacy, **2008**
- Played **hockey at national and state level** and **won the tournament, 2002-2005**.

### Skills and Techniques

- Knowledge of **formulation optimization** using **quality by design** concept
- Handling software like **StatEase, Design Expert 8, SAS-JMP** for optimization of formulation.
- Handling of instruments like **DSC, FT-IR, Malvern Zeta-sizer, UV-visible Spectroscopy, Ultracentrifuge, Lyophilizer, High Pressure Homogenizer (HPH)**, etc.
- Handling of **mammalian cell lines**.
- Handling **animals for *in-vivo* studies**
- Writing **scientific manuscript and proposal for research grant**.
- Knowledge of **CO-PO mapping (IonCUDOS Software)**
- Handled documentation for **NBA and NAAC**.
- Currently handling **Research Portfolio** at Institute.

## **Publications**

<b>Authors</b>	<b>Title of the Article</b>	<b>Year of publication</b>	<b>Journal Name</b>	<b>Impact factor</b>
<b>Namdev Dhas,</b> Ritu Kudarha, Abhijeet Pandey, Ajinkya Nikam, Shilpa Sharma, Ashutosh Singh, Atul Garkal, Kartik Hariharan, Amanpreet Singh, Priyanka Bangar, Dattatray Yadav, Dhaivat Parikh, Krutika Sawant, Srinivas Mutalik, Neha Garg, Tejal Mehta.	Stimuli responsive and Receptor Targeted Iron Oxide Based Nanoplatfroms for Multimodal Therapy and Imaging of Cancer: Conjugation Chemistry and Alternative Therapeutic Strategies.	2021	Journal of Controlled Release	<b>9.776</b>
Abjijeet Pandey, Ajinkya Nikam, Bharat Pandya, Sanjay Kulkarni, Gasper Farnandes, AjjapplaBasavraj Shreya, Monica Garcia, Carlos Caro, Jose Maria Paez Munoz, <b>Namdev Dhas,</b> Maria Luisa Garcia-Martin, Tejal Mehta, Srinivas Mutalik.	Surface Architected Black Phosphorus Nanoconstructs Based Smart and Versatile Platform for Cancer Theranostics.	2021	Coordination Chemistry Reviews	<b>22.315</b>
<b>Namdev Dhas,</b> Tejal Mehta.	Intranasal delivery of chitosan decorated PLGA core/shell nanoparticles containing flavonoid to reduce oxidative stress in the treatment of	2021	Journal of Drug Delivery Science and Technology	<b>3.981</b>

	Alzheimer's disease.			
Khushali Parekh, Tejal Mehta, <b>Namdev Dhas</b> , Pavan Kumar, Amirali Popat.	Emerging Nanomedicines for the treatment of Atopic Dermatitis.	2021	AAPS PharmaSciTech.	<b>3.246</b>
Amit Chivate, Atul Garkal, <b>Namdev Dhas</b> , Tejal Mehta.	Hot Melt Extrusion: An emerging technique for solubility enhancement of poorly water soluble drugs.	2021	PDA Journal of Pharmaceutical Science and Technology.	-
<b>Namdev Dhas</b> , Dattatray Yadav, Ashutosh Singh, Atul Garkal, Ritu Kudarha, Priyanka Bangar, Jignasa Savjani, Chandrakantsing Pardeshi, Neha Garg, Tejal Mehta.	Direct transport theory: From the nose to the brain	2021	Direct Nose to Brain Delivery: Mechanism, Technological Advances, Applications and Regulatory Updates	Book Chapter ( <b>Elsevier</b> )
<b>Namdev Dhas</b> , Tejal Mehta, Shilpa Sharma, Atul Garkal, Dattatray Yadav, Kartik Hariharan, Babeeta Shamjetshabam, Shubham Khot, Ritu Kudarha, Priyanka Bangar, Gajanan Arbade, Pratap Kalyankar.	Intranasal gene therapy for the treatment of neurological disorders.	2021	Direct Nose to Brain Delivery: Mechanism, Technological Advances, Applications and Regulatory Updates	Book Chapter ( <b>Elsevier</b> )
Tejal Mehta, Renuka Mishra, Chintan Pansara, Chetan Dhal, <b>Namdev Dhas</b> .	Manufacturing Techniques for Carbon nanotubes, Gold nanoparticles and silver nanoparticles.	2021	Emerging Technologies for Nanoparticle Manufacturing	Book Chapter ( <b>Springer Nature</b> )
<b>Namdev Dhas</b> ,	Cationic biopolymer	2020	International	<b>5.875</b>

Tejal Mehta.	functionalized core shell nanoparticles encapsulating carotenoid to reduce oxidative stress in effective treatment of Alzheimer's disease: A non-invasive approach.		Journal of Pharmaceutics	
<b>Namdev Dhas,</b> Ritu Kudarha, Atul Garkal, Vivek Ghate, Shilpa Sharma, Prabhakar Panzade, Shubham Khot, Pinal Chaudhari, Ashutosh Singh, Mitali Patel, Krutika Sawant, Shaila Lewis, Neha Garg, Narinder Singh, Priyanka Bangar, Tejal Mehta.	Molybdenum-based nanocomposites for cancer therapy, diagnosis and biosensing application: Current advancement and future breakthroughs.	2020	Journal of Controlled Release	<b>9.776</b>
Abhijeet Pandey, <b>Namdev Dhas,</b> Prashant Deshmukh, Carlos Caro, Pravin Patil, Maria Luisa Garcia Martin, Bharath Pandya, Ajinkya Nikam, Tejal Mehta, Srinivas Mutalik.	Heterogeneous Surface Architected Metal Organic Frameworks for cancer therapy, imaging, and biosensing: A State-of-art review.	2020	Coordination Chemistry Reviews	<b>22.315</b>
Jazmin Torres <sup>ψ</sup> , <b>Namdev Dhas<sup>ψ</sup>,</b> Marcela Longhi, Monica Garcia. ( <sup>ψ</sup> Indicates authors have equally	Overcoming biological barriers with block copolymers-based self-assembled nanocarriers. Recent	2020	Frontiers in Pharmacology	<b>5.810</b>

contributed as first author)	advances in delivery of anticancer therapeutics.			
Amit Chivate, Atul Garkal, <b>Namdev Dhas</b> , Tejal Mehta.	Three dimensional printing by hot-melt extrusion: New era for development of personalized medicines and continuous manufacturing of pharmaceuticals.	2020	International Journal of Pharmaceutical Investigation	-
Abhijeet Pandey, Debjani Singh, <b>Namdev Dhas</b> , Akhilesh K Tiwari, Kamla Pathak, Vivekanand Chatap, Kamal Singh Rathod, Srinivas Mutalik.	Complex Injectables: Development, delivery and advancements.	2020	Delivery of Drugs	Book Chapter ( <b>Elsevier</b> )
Tejal Mehta, Neha Shah, Khushali Parekh, <b>Namdev Dhas</b> , Jayvadan Patel.	Surface-modified PLGA nanoparticles for targeted drug delivery to neurons.	2020	Surface Modification of Nanoparticles for Targeted Drug Delivery.	Book Chapter ( <b>Springer Nature</b> )
<b>Namdev Dhas</b> , Khushali Parekh, Abhijeet Pandey, Ritu Kudarha, Srinivas Mutalik, Tejal Mehta.	Two Dimensional Carbon Based Nanocomposites as Multimodal Therapeutic and Diagnostic Platform: A Biomedical and Toxicological Perspective	2019	Journal of Controlled Release	<b>9.776</b>
<b>Namdev Dhas</b> , Ritu Kudarha, Tejal Mehta.	Intranasal delivery of nanotherapeutics/ nanobiotherapeutics for the treatment of Alzheimer's disease: A proficient	2019	Critical reviews in therapeutic drug carrier system	<b>4.889</b>

	approach.			
<b>Namdev Dhas,</b> Ritu Kudarha, Niyati Acharya, Sanjeev Acharya.	Polymeric Immunonanoparticles Mediated Cancer Therapy: Versatile Nanocarriers for Cell-Specific Cargo Delivery.	2018	Critical reviews in therapeutic drug carrier system	<b>4.889</b>
<b>Namdev Dhas,</b> Nisith Raval, Ritu Kudarha, Niyati Acharya, Sanjeev Acharya.	Core-shell nanoparticles as a drug delivery platform for tumor targeting	2018	Inorganic frameworks as smart nanomedicine Pharmaceutical nanotechnology	Book Chapter <b>(Elsevier)</b>
<b>Namdev Dhas,</b> Pradum Ige, Ritu Kudarha.	Design, optimization and in-vitro study of folic acid conjugated- chitosan functionalized PLGA nanoparticle for delivery of bicalutamide in prostate cancer.	2015	Powder Technology	<b>5.134</b>
Ritu kudarha, <b>Namdev Dhas,</b> Abhijeet Pandey, Veena Belgamwar, Pradum Ige.	Box–Behnken study design for optimization of bicalutamide-loaded nanostructured lipid carrier: stability assessment.	2015	Pharmaceutical Development and Technology	<b>3.133</b>
<b>Namdev Dhas,</b> Tejal Mehta.	Carotenoid Containing Cationic Nanoparticles for effective Therapy of Alzheimers by Supressing Oxidative Stress: An Intranasal Approach.	<b>Manuscript under Progress</b>		
<b>Namdev Dhas,</b> Ritu Kudarha, Monica Garcia, Atul Garkal, Kartik Hariharan,	Strategies for Fabrication of Heterogenous Ultra- Small Gold Nanoclusters in	<b>Manuscript under Progress</b>		

Dhaivat Parikh, Priyanka Bangar, Parth Patel, Chandrakantsing Pardeshi, Tejal Mehta.	Cancer Therapy: A Biomedical Applications Perspective.	
<b>Namdev Dhas,</b> Monica Garcia, Ritu Kudarha, Abhijeet Pandey, Srinivas Mutalik	Recent advancements in Biomimetic nanoparticles: A bioinspired platform in the treatment of cancer and its biomedical application.	<b>Manuscript under Progress</b>

### **Work Published in Scientific and Technological Events**

- Mehta T, Dhas N (2020). **Nose to brain delivery of chitosan coated-PLGA core shell nanoparticles to reduce oxidative stress in Alzheimer's disease.** Controlled Release Society- Indian Chapter 18<sup>th</sup> International Symposium on “Advances in Technology and Business Potential of New Drug Delivery Systems”. February 28<sup>th</sup> and 29<sup>th</sup>. Mumbai, Maharashtra, India. Poster Presentation
- Hariharan K, Dhas N, Mehta T (2019). **QbD enabled development and optimization of intranasal carotenoid-loaded core-shell nanoparticles.** Controlled Release Society- Indian Chapter 17<sup>th</sup> International Symposium on “Advances in Technology and Business Potential of New Drug Delivery Systems”. February 1<sup>st</sup> and 2<sup>nd</sup>. Mumbai, Maharashtra, India. Poster Presentation
- Dhas N, Mehta T (2018). **Development and optimization of phytoconstituent-loaded chitosan nanoparticles using quality by design approach.** Controlled Release Society- Indian Chapter 16<sup>th</sup> International Symposium on “Advances in Technology and Business Potential of New Drug Delivery Systems”. February 23<sup>rd</sup> and 24<sup>th</sup>. Mumbai, Maharashtra, India. Poster Presentation
- Sonawane V, Mahajan H, Tyagi V, Dhas N (2013). **In situ gelling system for nasal delivery based on thiolated polymer.** Controlled Release Society- Indian Chapter 13<sup>th</sup> International Symposium on “Advances in Technology and Business Potential of New Drug Delivery Systems”. February 22<sup>nd</sup> and 23<sup>rd</sup>. Mumbai, Maharashtra, India. Poster Presentation

### **Conferences, Seminars and Symposium Presentations**

#### **International**



- **Dhas N, Acharya S. (2017). Skin Permeation Estimation Using Fluorescein Sodium as a Marker and its Enhancement Using Fulvic Acid.** Advances in New Drug discovery and Development; Ramanbhai Foundation. October, 2<sup>nd</sup> - 4<sup>th</sup>. Ahmedabad, Gujarat, India. Poster Presentation

## **National**

- **Dhas N, Kudarha R. (2014). Optimization of Nanostructured Lipid Carriers (NLCs): A Novel Drug Delivery System for Anticancer Drug.** Sustainable Growth Through Innovation; North Maharashtra University. October 17<sup>th</sup> and 18<sup>th</sup>. Jalgaon, Maharashtra, India. Poster Presentation
- **Dhas N, Kudarha R. (2014). Optimization of Nanostructured Lipid Carriers (NLCs): A Novel Drug Delivery System for Anticancer Drug.** Sustainable Growth Through Innovation; North Maharashtra University. October 7<sup>th</sup>. Dhule, Maharashtra, India. Poster Presentation
- **Dhas N, Kudarha R, Ige P (2014).  $\kappa$ -Carrageenan As Pelletization Aid In Development Of Sustained Release Matrix Pellets Of Montelukast Sodium For Bronchial Asthama.** Global Opportunities for Latest Developments in Chemistry and Technology; North Maharashtra University. February 6<sup>th</sup> to 8<sup>th</sup>. Jalgaon, Maharashtra, India. Poster Presentation
- **Dhas N, Kudarha R, Ige P (2013). Design and Optimization Of Surface Functionalized PLGA Nanoparticles For Targeted Delivery In Prostate Cancer.** Sustainable Growth Through Innovation. October 18<sup>th</sup> and 19<sup>th</sup>. Jalgaon, Maharashtra, India. Poster Presentation
- **Dhas N, Kudarha R, Ige P (2013). Design and Optimization Of Surface Functionalized PLGA Nanoparticles For Targeted Delivery In Prostate Cancer.** Sustainable Growth Through Innovation. October 5<sup>th</sup>. Dhule, Maharashtra, India. Poster Presentation

## **Courses and Further Training**

- Participated in national seminar on “**Integration of Quality Risk Management into Pharmaceutical Quality System**” conducted by SHAMISHA Foundation on **25<sup>th</sup> November, 2016**.
- Participated in workshop on “**Basic Cell Culture Technology**” conducted by National Centre for Cell Science, Pune” during **16<sup>th</sup> to 19<sup>th</sup> May, 2016**
- Participated in national seminar on “**Current Trends and Recent Advancements on Herbal Formulations**” conducted by R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur, during **21<sup>st</sup> and 22<sup>nd</sup> February, 2012**
- Participated in workshop on “**Structural Elucidation of Organic Compounds**” conducted by R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur, during **1<sup>st</sup> to 4<sup>th</sup> October, 2011**.

## **Co-Curricular Activities and Achievements**

- Participated as volunteer Committee member in the International conference on “**Integrating Chemical, Biological and Pharmaceutical Sciences for Innovations in Health Care**” (Joint venture between 26<sup>th</sup> Indian Society for Chemists and Biologists Conference (ISCBC) and Institute of

Pharmacy, Nirma University) conducted by Institute of Pharmacy, Nirma University, during **22-24<sup>th</sup> January, 2020**

- Participated as organizing committee in national conference on **“Integrating Natural and Modern Medicines in Drug Discovery and Development”** conducted by Institute of Pharmacy, Nirma University, during **24<sup>th</sup> and 25<sup>th</sup> January, 2019**
- Participated as committee member in international conference on **“Innovation in Pharmaceutical Research by interdisciplinary approach”** conducted by Institute of Pharmacy, Nirma University, during **23<sup>rd</sup> to 25<sup>th</sup> January, 2018.**
- Participated as delegate in national conference on **“Formulation and characterization of nanoparticulate drug delivery systems”** conducted by Institute of Pharmacy, Nirma University, on **16<sup>th</sup> September, 2017**
- Participated as delegate in 1<sup>st</sup> Pharma Industry-Institute Interaction Summit on **“Understanding The Industrial Needs and Expectations”** conducted by R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur, during **9<sup>th</sup> and 10<sup>th</sup> March, 2013.**
- Participated as delegate in national conference on **“Research Methodology and Biostatistics”** conducted by Agnihotri College of Pharmacy, Wardha, during **28<sup>th</sup> and 29<sup>th</sup> January, 2012.**

### **Extra-Curricular Activities and Achievements**

- Actively participated as **committee member** in various **international and national conferences** as well as in **ROSTRUM'17**
- Actively participated in **“Road-show and received certificate of appreciation”**. The event was organized on the occasion of **“National Pharmacy Week-2010”**
- Actively attended the **“National Service Scheme (NSS) camp”**, held by **“Health Youth by Healthy India”** from **25<sup>th</sup> to 31<sup>st</sup> December, 2009.**
- Actively donated blood to various blood banks.
- Actively participated in **33<sup>rd</sup> Oriental Bank Nehru Junior Hockey Tournament (National Level)**, held at Delhi, in **November, 2004**
- Actively **participated and won** in **State Level Hockey Tournament**, in **October, 2004.**
- Actively participated in **21<sup>st</sup> O. N. G. C. Nehru Sub-Junior Hockey Tournament**, held at Delhi, in **November, 2003.**
- Actively **participated and won** in **Sub-Junior Nehru Hockey Tournament**, held by Government of Maharashtra, in **October, 2003.**
- Actively **participated and won** in **District Level Sports week** conducted by District Sport Officer, in **December, 2002.**
- Actively **participated and won** in **Shaley Hockey Sport Tournament**, conducted by Government of Maharashtra, in **October, 2002.**
- Actively performed in **“Musical skit”** and received **runner up position**, on the occasion of **“Annual function”**, conducted by Y. B. Chavan college of Pharmacy in **2007**
- Actively participated in **hand-ball** and awarded with **First position** in inter-house tournament conducted by Ashok Public School in **2003-2004.**

- Actively participated in **Volley ball** and awarded with **second position** in inter-house tournament conducted by Ashok Public School in **2001-2002**

### **Strengths**

- **Hardworking and enthusiastic** towards the work.
- **Patience and ability to remain calm** during stressful situations.
- **Eagerness to learn new things.**
- **Good communication skills.**

### **Personal Details**

Name:	Namdev Laxman Dhas
Father's name:	Laxman Baburao Dhas
Mother's name:	Parwati Laxman Dhas
Date of Birth:	03 <sup>rd</sup> May, 1989
Permanent address: At-Post:	Anandwadi, Tal: Partur, Dist: Jalna, Maharashtra, India- 431501

### **References**

#### **Prof. Tejal A. Mehta**

Head, Department of Pharmaceutics  
Dy. Director, Institute of Pharmacy  
Nirma University,  
Ahmedabad, Gujarat, India- 382481  
E-mail ID: [tjshah3@gmail.com](mailto:tjshah3@gmail.com)  
Mob: +91 9879357584

#### **Prof. Krutika K Sawant**

Dean, Faculty of Pharmacy  
The Maharaja Sayajirao University of Baroda  
Vadodara, Gujarat, India-390002  
E-mail ID: [krutikasawant@yahoo.co.in](mailto:krutikasawant@yahoo.co.in)  
Mob: +91 9537509383

I hereby declare that all the details provided by me are true and to the best of my knowledge and belief.



**Namdev Laxman Dhas**