



This is to certify that the dissertation entitled "Zinc Oxide Embedded Polyelectrolyte Complex of Chitosan and Gum kondagogu for design of Barbaloin loaded Biocmposite film" is genuine research work carried out by Mr. Saurabh Bhagawat Borase under the guidance of Dr. Laxmikant R. Zawar, Associate Professor, Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

Date: 25 107/24

Dr. Sanjaykumar B. Bari

Principle and Professor

Department of Pharmaceutical

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HRPIPER, Shirpur





Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

3 or the degree of

MASTER OF PHARMACY IN **PHARMACEUTICS**

Submitted By Miss. Yogini Dilip Borse

Under the guidance of Mr. Swapnil N. Jain (Assistant Professor)

Department of Pharmaceutics

The Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405, Dist. Dhule (Maharashtra)



ENDORSEMENT BY THE PRINCIPAL & PG-INCHARGE

This is to certify that the dissertation entitled "Amoxicillin Trihydrate-Loaded Ca⁺² Pectinate-Moringa Oleifera Gum Composite Floating Mucoadhesive Microbeads" is genuine research work carried out by Miss. Yogini Dilip Borse under the supervision of Mr. Swapnil N. Jain, Assistant Professor, Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Dr. Laxmikant R. Zawar

PG-Incharge

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Dr. Sanjaykumar B. Bari

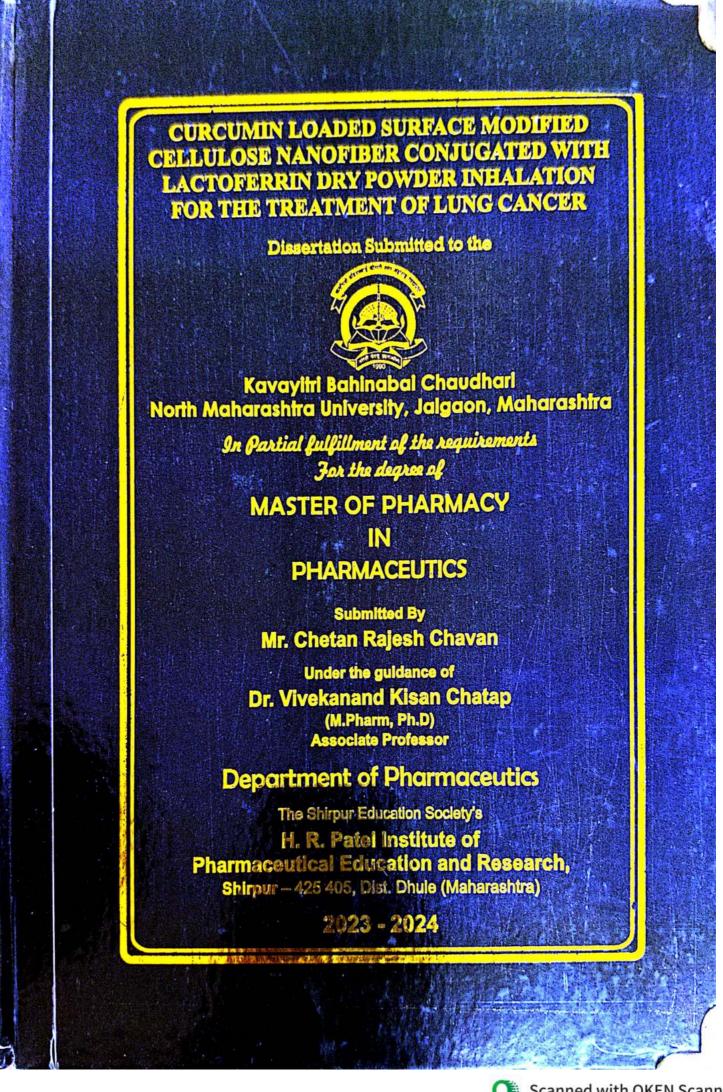
Principle and Professor

Department of Pharmaceutics,

HRPIPER, Shirpur

Place: Shirpur

Date:





This is to certify that this dissertation entitled "Curcumin Loaded Surface Modified Cellulose Nanofiber Conjugated with Lactoferrin Dry Powder Inhalation for the Treatment of Lung Cancer" is a genuine and bonafide research work carried out by Mr. Chetan Rajesh Chavan under the guidance of Dr. Vivekanand Kisan Chatap Associate Professor, Department of Pharmaceutics, H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

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Dr. Sanjaykumar B. Bari

Principal,

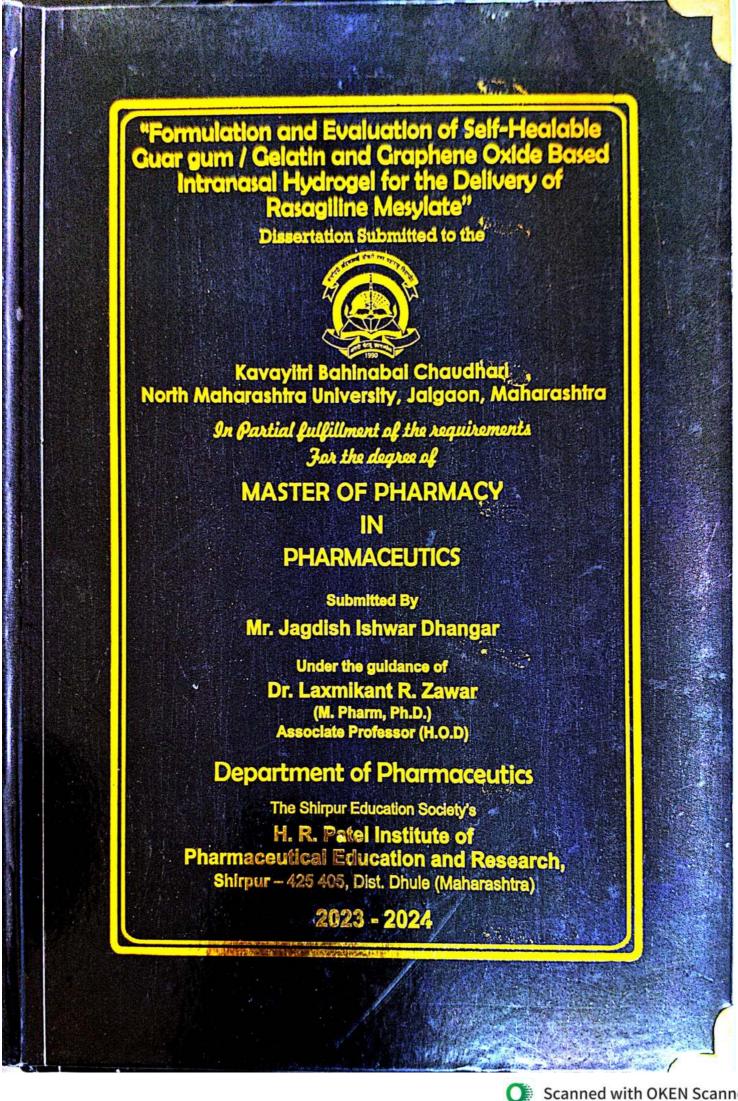
Department of

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H.R. Patel Institute of

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Research, Shirpur





ENDORSEMENT BY THE PRINCIPAL AND PG-INCHARGE

This is to certify that the dissertation entitled "Formulation and Evaluation of Self-Healable Guar gum /Gelatin and Graphene oxide Based Intranasal Hydrogel for the Delivery of Rasagiline Mesylate" is genuine research work carried out by Mr. Jagdish Ishawr Dhangar under the supervision of Dr. Laxmikant R. Zawar, Associate Professor, Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

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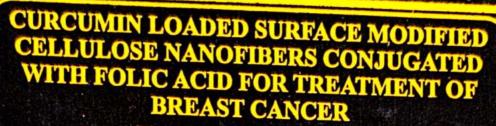
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Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

For the degree of

MASTER OF PHARMACY
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Submitted By
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Associate Professor

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2023 - 2024

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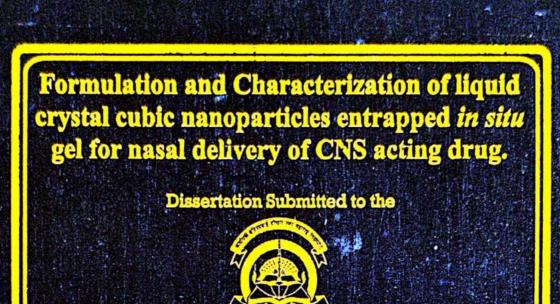
This is to certify that this dissertation entitled "Curcumin Loaded Surface Modified Cellulose Nanofiber Conjugated with Folic Acid for Treatment of Breast Cancer" is a bonafide and genuine research work carried out by Mr. Abhijeet Rajesh Dube under the guidance of Dr. Vivekanand Kisan Chatap Associate Professor, Department of Pharmaceutics at H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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Date: 29/7/2024

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Shirpur – 425 405, Dist. Dhule (Maharashtra)



This is to certify that the dissertation entitled "Formulation and characterization of liquid crystal cubic nanoparticles entrapped in situ gel for nasal delivery of CNS acting drug" is genuine research work carried out by Mr. Aaditya Bharat Jadhav under the guidance of Dr. Vivekanand Kisan Chatap, Associate Professor, Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

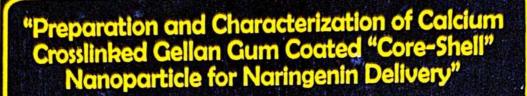
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In Partial fulfillment of the requirements

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This is to certify that the dissertation entitled, "Preparation and Characterization of Calcium Crosslinked Gellan Gum Coated "Core-Shell" Nanoparticle for Naringenin Delivery" is a genuine research work carried out by Mr. Shivaji Virchand Jadhav under the supervision of Dr. Laxmikant R. Zawar, Associate Professor, Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

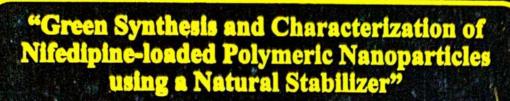
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Dissertation Submitted to the



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2023 - 2024

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ENDORSEMENT BY THE PRINCIPAL & PG-INCHARGE

This is to certify that the dissertation entitled "Green Synthesis and Characterization of Nifedipine-loaded Polymeric Nanoparticles using a Natural Stabilizer" is genuine research work carried out by Mr. Pradyumna Shyamkant Keche under the supervision of Mr. Swapnil N. Jain, Assistant Professor, Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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Place: Shirpur

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In Partial fulfillment of the requirements For the degree of

MASTER OF PHARMACY PHARMACEUTICS

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ENDORSEMENT BY THE PRINCIPAL and PG-INCHARGE

This is to certify that the dissertation entitled "Formulation and Characterization of Solid dispersion based Fast Dissolving Films of Ondansetron HCl" is genuine research work carried out by Mr. Qureshi Faizan Khan Ibrahim Khan under the supervision of Mr. Swapnil N. Jain, Assistant Professor, Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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Place: Shirpur

Date: 31/07/24

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HRPIPER, Shirpur

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Date: 31/07/2024

"Formulation and Characterization of Ursolic Acid Conjugated Concanavalin A for the treatment of Breast Cancer."

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

'In Partial fulfillment of the requirements

3 or the degree of

MASTER OF PHARMACY
IN
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Submitted By
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Under the guidance of

Dr. Vivekanand K. Chatap

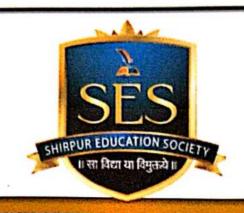
(Associate Professor)

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This is to certify that the dissertation entitled Formulation and Characterization of Ursolic Acid Conjugated Concanavalin-A for the Treatment of Breast Cancer is genuine research work carried out by Mr. Chetan Mahesh Kolhe under the guidance of Dr. Vivekanand Kisan Chatap, Associate Professor, Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

Date: 29/7/24

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"Fabrication and characterization of drug-loaded chitosomes for effective treatment of neurological disorders"

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

3 or the degree of

MASTER OF PHARMACY
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Submitted By
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ENDORSEMENT BY THE PRINCIPAL/PG-INCHARGE

This is to certify that the dissertation entitled "Fabrication and characterization of rasagiline mesylate loaded chitosomes for effective treatment of neurological disorders," is genuine research work carried out by Mr. Nikhil Vishwas More under the supervision of Mr. Swapnil N. Jain, Assistant Professor, Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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Submitted By
Kuldip Suresh Patil

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

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MASTER OF PHARMACY
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ENDORSEMENT BY THE PG IN CHARGE, PRINCIPAL

This is to certify that this dissertation entitled entitled "Preparation and Characterization of Chitosan Coated Edaravone Loaded Solid Lipid Nanoparticle for Intranasal Delivery." is bonafide and genuine research work carried out by Mrs. Kuldip Suresh Patil under the guidance of Dr. Laxmikant. R. Zawar Associate Professor, Department of Pharmaceutics at H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Br. L.R Zawar,

PG in Charge

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Principal

H. R. Patel Institute

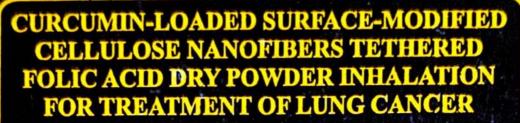
of Pharmaceutical Education and Research, Shirpur

Place: Shirpur

Date:

Place: Shirpur

Date:





Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

3 or the degree of

MASTER OF PHARMACY
IN.
PHARMACEUTICS

Submitted By

Mr. Tejas Bhayyan Patil

Under the guidance of Dr. Vivekanand Kisan Chatap Associate Professor

Department of Pharmaceutics

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H. R. Patel Institute of

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Shirpur – 425 405, Dist. Dhule (Maharashtra)



This is to certify that this dissertation entitled "Curcumin-loaded surface-modified cellulose nanofibers tethered folic acid dry powder inhalation for treatment of lung cancer" is a genuine research work carried out by Mr. Tejas Bhayyan Patil under the guidance of Dr. Vivekanand Kisan Chatap, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

Date:29/07/2021

Dr. S. B. Bari

Principal

Department of Pharmaceutics

H. R. Patel Institute of Pharmaceutical Education and Research

Shirpur, Dhule (M.S.) 425 405

Formulation and Evaluation of Bilayer Tablet with Fixed Dose Combination of Anti-hypertensive Drugs

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In partial fulfillment of the requirement for the degree of

MASTER OF PHARMACY IN PHARMACEUTICS

Mr. Vivek Sudhakar Patil

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General Mananger,
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Academic Guide

Mr. S. N. Jain

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ENDORSEMENT BY THE PG IN-CHARGE AND PRINCIPAL

This is to certify that this dissertation entitled "Formulation And Evaluation Of Bilayer Tablet With Fixed Dose Combination Of Anti-hypertension Drug" is bonafide and genuine research work carried out by Mr. Vivek Sudhakar Patil under the guidance of Mr. S. N. Jain Department of Pharmaceutics at H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur and Mrs. Kavita Shah, General manager, F&D, Medley Pharmaceutical, Mumbai.

Place: Shirpur

Date: 26/07/24

Dr. L. R. Zawar

PG In-charge

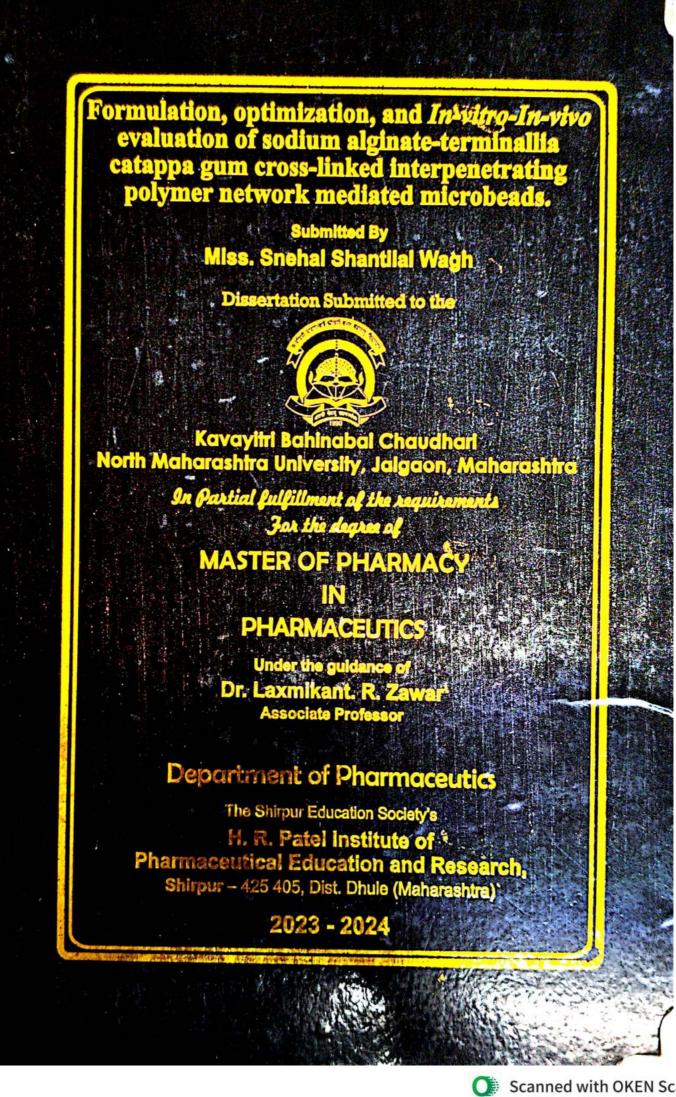
H. R. Patel Institute Of Pharmaceutical Education and

Research, Shirpur 425 405

Principal

H. R. Patel Institute

Of Pharmaceutical Education and Research, Shirpur 425 405





ENDORSEMENT BY
THE PG IN CHARGE,
PRINCIPAL

This is to certify that this dissertation entitled entitled "formulation, optimization, and In-vitro-In-vivo evaluation of sodium alginate -terminallia catappa gum cross-linked interpenetrating polymer network mediated microbeads." is bonafide and genuine research work carried out by Miss. Snehal Shantilal Wagh under the guidance of Dr. Laxmikant. R. Zawar Associate Professor, Department of Pharmaceutics at H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Dr. L.R Zawar,

P& in Charge

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur

Date: 27/07/29

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Place: Shirpur

Date:





Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

On partial fulfillment of the requirement for the degree of

MASTER OF PHARMACY
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Ms. Khushboo Prakash Bhadane (M. Pharm.)

Under the guidance of

Industrial Guide

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General Mananger,
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Academic Guide

Mr. C. J. Bhavsar

(M. Pharm.) Assistant Professor

Department of Quality Assurance

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Shirpur - 425 405, Dist. Dhule (Maharashtra)

2023-2024

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This is to certify that this dissertation entitled "Development and evaluation of complex solid oral dosage form containing sustained release biguanide and low dose coating of sulfonylurea" is bonafide and genuine research work carried out by Ms. Khushboo Prakash Bhadane under the guidance of Mr. C. J. Bhavsar Assistant Professor, Department of Pharmaceutics at H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur and Mrs. Kavita Shah, General manager, F&D, Medley Pharmaceutical, Mumbai.

Dr. L. R. Zawar

PG In-charge

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur

Date: 30/07/24

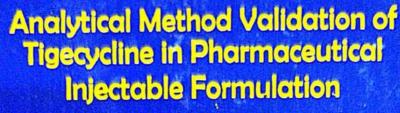
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Date 36/07/2014





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In Partial fulfillment of the requirements

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MASTER OF PHARMACY
IN
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Submitted By
Mr. Ajay Pralhadrao Bhalerao

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Department of Quality Assurance

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2023 - 2024

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This is to certify that the dissertation entitled "Analytical Method Validation of Tigecycline in Pharmaceutical Injectable Formulation" is genuine research work carried out by Mr. Ajay Pralhadrao Bhalerao under the supervision of Mr. C. J. Bhavsar Associate Professor, Department of Pharmacognosy, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

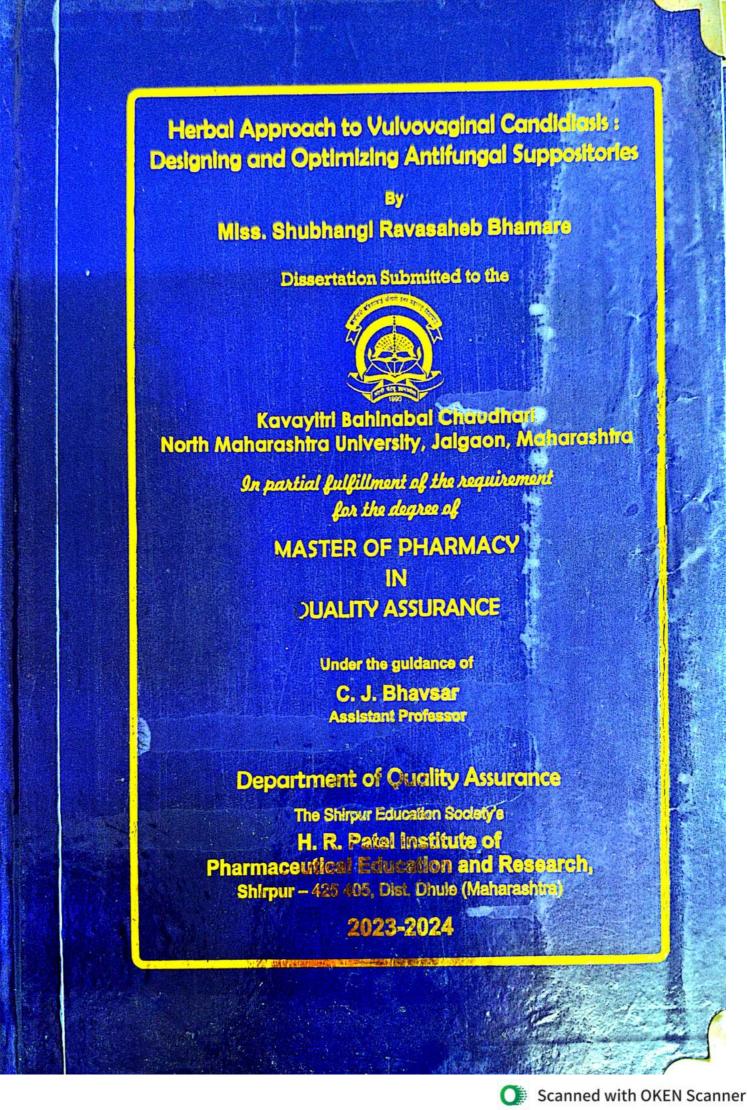
Place: Shirpur

Date: 98/03/2024

Dr. Sanjaykumar B. Bari

Principal

HRPIPER, Shirpur





ENDORSEMENT BY THE PG IN CHARGE, **PRINCIPAL**

This is to certify that this dissertation entitled entitled "Herbal Approach to Vulvovaginal Candidiasis: Designing and Optimizing Antifungal Suppositories" is bonafide and genuine research work carried out by Miss. Shubhangi Ravasaheb Bhamare under the guidance of C. J. Bhavsar Assistant Professor, Department of Quality Assurance at H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Dr. L. R.ZAWAR

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H. R. Patel Institute

of Pharmaceutical Education and

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Principal

H. R. Patel Institute

of Pharmaceutical Education and

Research, Shirpur

Place: Shirpur

Date: 06 07 24

Place: Shirpur

Date:

Preparation, Characterization, and In Vitro
Cytotoxicity Activity of Benzyl Isothiocyanate
Embedded Polymeric Nanoparticle for
Potential Breast Cancer Targeting

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

3 or the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL QUALITY ASSURANCE

Submitted By

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Under the guidance of Mr. Prashant Bhagwan Patil (Assistant Professor)

Department of Quality Assurance

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H. R. Patel Institute of Pharmaceutical Education and Research,

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This is to certify that this dissertation entitled "Preparation, Characterization, and In Vitro Cytotoxicity Activity of Benzyl Isothiocyanate Embedded Polymeric Nanoparticle for Potential Breast Cancer Targeting" is a genuine research work carried out by Ms. Kajal Sunil Chaudhari under the guidance of Mr. Prashant Bhagwan Patil, Assistant Professor, Department of Quality Assurance, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

Date: 18/07/2024

Dr. S. B. Bari

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Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

> In Partial fulfillment of the requirements For the degree of

MASTER OF PHARMACY IN PHARMACEUTICAL QUALITY ASSURANCE

> **Submitted By** Miss. Pranali Ramial Chaudhari

> > Under the guldance of Mr. C. J. Bhavsar (Assistant Professor) Department of Pharmacognosy

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ENDORSEMENT BY THE PRINCIPAL/PG-INCHARGE

This is to certify that the dissertation entitled "Analytical Method Validation of Dexketoprofen in Pharmaceutical Injectable Formulation" is genuine research work carried out by Miss. Pranali Ramlal Chaudhari under the supervision of Mr. C. J. Bhavsar, Assistant Professor, Department of Pharmacognosy, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Dr. Laxmikant R. Zawar

PG-Incharge

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Place: Shirpur

Date: 30.7.2024.

Dr. Sanjaykumar B. Bari

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HRPIPER, Shirpur





Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

For the degree of

MASTER OF PHARMACY
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PHARMACEUTICAL QUALITY ASSURANCE

Submitted By

Mr. Himanshu Sham Girase

Under the guldance of Dr. P. O. Patil (Professor)

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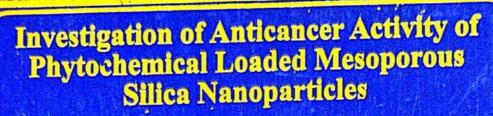
This is to certify that this dissertation entitled "Bioimaging Potential and Cytotoxicity Assessment of 2D MXenes Synthesized via Green Approach." is a genuine research work carried out by Mr. Himanshu Sham Girase under the guidance of Dr. P. O. Patil, Professor, Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

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r S. B. Bari

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Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

> In Partial fulfillment of the requirements For the degree of

MASTER OF PHARMACY IN PHARMACEUTICAL QUALITY ASSURANCE

> Submitted By Ms. More Priyanka Vijendra

Under the guidance of Dr. Z. G. Khan (Assistant Professor) Department of Pharmaceutical Chemistry

Department of Quality Assurance

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H. R. Patel Institute of Pharmaceutical Education and Research. Shirpur - 425 405, Dist. Dhule (Maharashtra)



This is to certify that this dissertation entitled "Investigation of Anticancer Activity of Phytochemical Loaded Mesoporous Silica Nanoparticles" is a genuine research work carried out by Ms. More Priyanka Vijendra under the guidance of Dr. Z. G. Khan, Assistant Professor, Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

Date: 20/07/2024

Principal

Department of Pharmaceutical Quality Assurance H. R. Patel Institute of Pharmaceutical Education and Research Shirpur, Dhule (M.S) 425 405 2023-2024





Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

> In Partial fulfillment of the requirements For the degree of

MASTER OF PHARMACY PHARMACEUTICAL QUALITY ASSURANCE

> Submitted By Mr. Dhiraj Anii Patil

Under the guldance of Dr. Sanjaykumar. B. Bari (Principal)

Department of Quality Assurance

The Shirpur Education Society's

H. R. Patel institute of

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This is to certify that this dissertation entitled "Formulation and Evaluation of Biotin Functionalized Drug Loaded combinational targeted liposome for cancer" is a genuine research work carried out by Mr. Dhiraj Anil Patilunder the guidance of Dr. S B. Bari, Principal, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

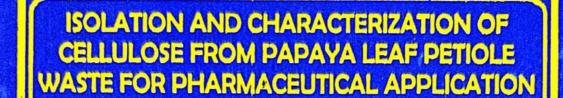
Place: Shirpur

Date: 18 /07/ 2024

Dr. S. B. Bari

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Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

For the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL QUALITY ASSURANCE

Submitted By

Ms. Dipika Jagdish Patil

Under the guidance of Dr. Rakesh E. Mutha (Assistant Professor)

Department of Quality Assurance

The Shirpur Education Society's

H. R. Patel institute of Pharmaceutical Education and Research.

Shirpur - 425 495, Dist. Dhule (Maharachira)



This is to certify that this dissertation entitled "Isolation and Characterization of Cellulose from Papaya Leaf Petiole Waste for Pharmaceutical Application" is a genuine research work carried out by Ms. Dipika Jagdish Patil under the guidance of Dr. Rakesh E. Mutha, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

Date: 29/07/24

Dr. S. B. Bari

Principal

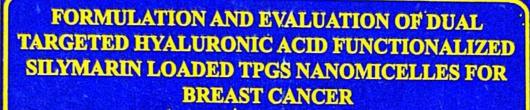
Department of Quality Assurance

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Shirpur, Dhule (M.S.) 425 405

2023-2024







Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

For the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL QUALITY ASSURANCE

Submitted By

Ms. Jagruti Sunii Patil

Under the guldance of Dr. Sanjaykumar. B. Bari (Principal)

Department of Quality Assurance

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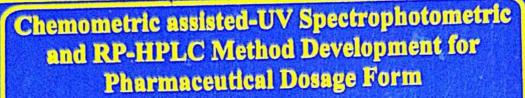
This is to certify that this dissertation entitled "Formulation and Evaluation of Dual Targeted Hyaluronic Acid Functionalized Silymarin Loaded TPGS Nanomicelles for Breast Cancer "is a genuine research work carried out by Ms. Jagruti Sunil Patil under the guidance of Dr. S B. Bari, Principal, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

Date: 18/07/24

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Kavayitri Bahinabal Chaudhari North Maharashtra University, Jalgaon, Maharashtra

> In Partial fulfillment of the requirements For the degree of

MASTER OF PHARMACY IN PHARMACEUTICAL QUALITY ASSURANCE

> Submitted By Mr. Patil Mahesh Vinod

Under the guidance of Dr. Ganesh B. Patil (M. Pharm, Ph.D.) **HOD'& Associate Professor**

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H. R. Patel Institute of Pharmaceutical Education and Research. Shirpur - 425 405, Dist. Dhule (Maharashtra)



This is to certify that this dissertation entitled "Chemometric assisted-UV Spectrophotometric and RP-HPLC Method Development for Pharmaceutical Dosage Form" is a genuine research work carried out by Mr. Patil Mahesh Vinod under the guidance of Dr. Ganesh B. Patil, HOD & Associate Professor, Department of Quality Assurance Department, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

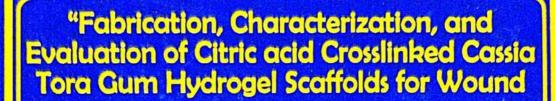
Place: Shirpur

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> In Partial fulfillment of the requirements For the degree of

MASTER OF PHARMACY IN PHARMACEUTICAL QUALITY ASSURANCE

> Submitted By Mr. Tejas Ravindra Sonawane

> > Under the guidance of Dr. Ganesh B. Patil (Associate Professor)

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ENDORSEMENT BY THE PRINCIPAL/PGINCHARGE

This is to certify that this dissertation entitled "Fabrication, Characterization, and Evaluation of Citric acid Crosslinked Cassia Tora Gum Hydrogel Scaffolds for Wound Healing" is a genuine research work carried out by Mr. Tejas Ravindra Sonawane under the guidance of Dr. Ganesh B. Patil, Associate Professor, Department of Quality Assurance, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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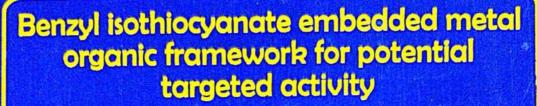
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MASTER OF PHARMACY
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This is to certify that this dissertation entitled "Benzyl isothiocyanate embedded metal organic framework for potential targeted activity" is a genuine research work carried out by Mr. Sudarshan Gajanan Wankhade under the guidance of Mr. Prashant Bhagwan Patil, Assistant Professor, Department of Quality Assurance, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

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Principal

Synthesis of NH2-MIL-125 (Ti)-Isatin derivatives for enhanced antimicrobial activity

Dissertation Submitted to the



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For the degree of

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This is to certify that this dissertation entitled "Synthesis of NH2-MIL-125 (Ti)-Isatin derivatives for enhanced antimicrobial activity" is a genuine research work carried out by Mr. Utkarsh Uttamrao Bhamare under the guidance of Dr. Pravin O. Patil, Professor, Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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Dr. Sanjaykumar B. Bari

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"Development of Molecularly Imprinted Fluorescent Nanoprobe for Selective Determination of Niclosamide."

Dissertation Submitted to the



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ENDORSEMENT BY THE PRINCIPAL & PG-INCHARGE

This is to certify that the dissertation entitled "Development of Molecularly Imprinted Fluorescent Nanoprobe for Selective Determination of Niclosamide" is genuine research work carried out by Ms. Kalyani Ajaykumar Birari under the supervision of Dr. Zamir. G. Khan, Assistant Professor, Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Dr. Laxmikant R. Zawar

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ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF COMBINATION DRUGS USING STATISTICAL TOOL.

Dissertation Submitted to the



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In Partial fulfillment of the requirements

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ENDORSEMENT BY THE PG IN-CHARGE AND PRINCIPAL

This is to certify that this dissertation entitled "Analytical method development and validation of combination drugs using statistical tool" is bonafide and genuine research work carried out by Mr. Komal Shivcharan Chaudhari under the guidance of Dr. Ganesh B. Patil Associate Professor, Department of Quality Assurance at H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

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Dr. L.R. Zawar P.G. In-charge

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur 425 405 Dr. S. B. Bari Principal

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur 425 405

"Development of capsaicin loaded pickering emulsion and their in silico, in vitro and ex vivo analysis"

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

3 or the degree of

MASTER OF PHARMACY
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This is to certify that this dissertation entitled "Development of capsaicin loaded pickering emulsion and their in silico, in vitro and ex vivo analysis" under the guidance of Dr. S. B. Bari a genuine research work carried out by Miss. Manasi Vinod Chaudhari at Department of pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

Date: / /

Dr. S. B. Bari

Principal and Professor,

Dept. of Pharmaceutical Chemistry

H. R. Patel Institute of Pharmaceutical

Education and Research, Shirpur

A Novel Cu MOF-Isatin Derivatives : Synthesis, Characterization and Antimicrobial Activity

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

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MASTER OF PHARMACY
IN
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This is to certify that this dissertation entitled "A Novel Cu MOF-Isatin Derivatives: Synthesis, Characterization and Antimicrobial Activity." is a genuine research work carried out by Miss. Utkarsha Dnyaneshwar Chaudhari under the guidance of Dr. P. O. Patil, Professor, Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

Date: 29/03/2029

Principal

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Research

Zinc Isatin-Schiff Base Derivatives of MOF as Antimicrobial Agents

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

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This is to certify that this dissertation entitled "Zinc Isatin-Schiff Base Derivatives of MOF as Antimicrobial Agents" is a genuine research work carried out by Miss. Bhavika Ishan Joshi under the guidance of Dr. P. O. Patil, Professor, Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

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DESIGN AND SYNTHESIS OF AN IRON-BASED METAL-ORGANIC FRAMEWORK FOR THE DETECTION OF PROPICONAZOLE

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

For the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY

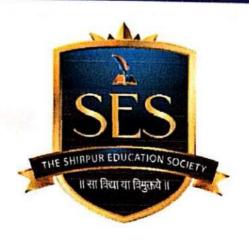
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This is to certify that this dissertation entitled "Design and Synthesis of an Iron-Based Metal-Organic Framework for the Detection of Propiconazole" is a genuine research work carried out by Ms. Gitanjali Jijabrao Patil under the guidance of Dr. Zamir G. Khan, Assistant Professor H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur Dater 30/07/20 79 r. S. B. Bari

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Design and Synthesis of Doped Carbon Quantum Dots as a Fluorescent Sensor Used for Detection of Naringin

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

For the degree of

MASTER OF PHARMACY
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This is to certify that this dissertation entitled "Design and Synthesis of Doped Carbon Quantum Dots as a Fluorescent Sensor Used for Detection of Naringin" is a genuine research work carried out by Mr. Megharaj Shantilal Patil under the guidance of Dr. Z. G. Khan Assistant Professor H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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Dr. S. B. Bari

Principal

"Green Synthesis of Dope Carbon Quantum Dots as a Fluorescence Probe for Detection of AZO Dye (Metanil Yellow)

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

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ENDORSEMENT BY THE PG-INCHARGE & PRINCIPAL

This is to certify that this dissertation entitled "Green Synthesis of Dope Carbon Quantum Dots as a Fluorescence Probe for Detection of AZO Dye (Metanil Yellow)" is a genuine research work carried out by Mr. Pushkar Nitin Patil under the guidance of Dr. G B. Patil, Department of Quality Assurance, H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur.

Dr. L. R. Zawar

H. R. Patel Institute of

Pharmaceutical Education and

Research, Shirpur.

Dr. S. B. Bari

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H. R. Patel Institute of

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and Research Shirpur.

"Synthesis, Characterization and Antimicrobial activity of MIL-101 (Fe) Isatin derivatives"

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

For the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY

Submitted By Miss. Shreya S. Patil

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H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur – 425 405, Dist. Dhule (Maharashtra)



ENDORSEMENT BY THE PRINCIPAL/PG-INCHARGE

This is to certify that the dissertation entitled "Synthesis, characterization and antimicrobial activity of MIL-101(Fe)-isatin derivatives." is genuine research work carried out by Miss. Shreya S. Patil under the supervision of Dr. Pravin O. Patil, Professor, Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Dr.A. R. Zawar

PG-In charge

HRPIPER, Shirpur

Dr. Sanjaykumar B. Bari

Principle and Professor

Department of Pharmaceutical Chemistry,

HRPIPER, Shirpur

Place: Shirpur

Date: 31 0 9024

"Synthesis and Biological Evaluation of Substituted Imidazole Derivatives as Antimicrobial Agents."

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

For the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY

Submitted By
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ENDORSEMENT BY THE PRINCIPAL/PG-INCHARGE

This is to certify that the dissertation entitled "Synthesis and Biological Evaluation of Substituted Imidazole Derivatives as Antimicrobial Agents." is genuine research work carried out by Miss. Sushmita V. Patil under the supervision of Dr. Pravin O. Patil, Associate Professor, Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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Date:

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H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur Dr. Sanjaykumar B. Bari

Principal

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Design and synthesis of Doped Carbon Quantum Dots as Fluorescent Probes for Detection of Carbendazim

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

3 or the degree of

MASTER OF PHARMACY
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ENDORSEMENT BY THE PRINCIPAL

This is to certify that this dissertation entitled "Design and synthesis of Doped Carbon Quantum Dots as Fluorescent Probes for Detection of Carbendazim" is a genuine research work carried out by Mr. Rohit Vilas Pawar under the guidance of Dr. Z. G. Khan, Assistant Professor H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur

Date: 30/0312024 Principal

H. R. Patel Institute of Pharmaceutical Education and Research Shirpur, Dhule (M.S) 425 405 2023-2024

"Development of Metal-Organic Framework based Silymarin Loaded Pickering Nanoemulsion: In silico, In vitro and Ex vivo analysis."

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements

For the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY

Submitted By Mr. Prasad J. Rodge

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ENDORSEMENT BY THE PRINCIPAL

This is to certify that the dissertation entitled "Development of metal-organic framework based silymarin loaded Pickering Nanoemulsion: In silico, In vitro and Ex vivo analysis" is a bonafide and genuine research work carried out by Mr. Prasad J. Rodge under the supervision of Dr. Sanjaykumar B. Bari, Principal and Professor, Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur Daten 107/2024 Dr. Sanjaykumar B. Bari
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"Development & Evaluation of Isolated AITC & Synthesized GQD Conjugate for Potential Therapeutic Activity"

Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In partial fulfillment of the requirement for the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY

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ENDORSEMENT BY THE PRINCIPAL & PG-INCHARGE

This is to certify that the dissertation entitled "Development & Evaluation of Isolated AITC & Synthesized GQD Conjugate for Potential Therapeutic Activity" is genuine research work carried out by Ms. Aishwarya Vinod Sonawane under the supervision of Mr. Prashant Bhagwan Patil, Assistant Professor, Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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