

AND ITS BIOLOGICAL APPLICATIONS

Thesis submitted to the Bharathiar University in partial fulfillment of the requirements for the award of the degree of

DOCTOR OF PHILOSOPHY IN BIOTECHNOLOGY

Submitted by

D. VAIDEHI, M.Sc., M.Phil.,

(Reg. No. 12381/B1/2015 (07/08/2015))

Under the Guidance of

Dr. V. BHUVANESHWARI, M.Sc., M.Phil., PGDBI., PGDNBT., Ph.D.

Assistant Professor & Head



PG AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY KONGUNADU ARTS AND SCIENCE COLLEGE

[Autonomous, Re-accredited by NAAC with 'A' Grade CGPA 3.64 [3rd Cycle]

College of Excellence (UGC)

COIMBATORE - 641 029

TAMILNADU, INDIA

AUGUST 2018





haracterization of environmental Aeromonas spp. and in-vivo evaluation of the nactorial virulent gene and host immune genes in Cirrhinus mrigala (Hamilton) supplemented with Neem diet

Thesis submitted to Bharathiar University in partial fulfillment of the

Requirement for the award of the degree of

DOCTOR OF PHILOSOPHY in

BIOTECHNOLOGY

Submitted by Mrs. U. INDRA, M.Sc., M.Phil,

(Reg. No. 20042/B1/2012 (18/12/2012))

Under the guidance of

Dr. B. LAKSHMAN KUMAR, M.Sc., Ph.D



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August 2017

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AS A NOVEL SERIES OF SIDEROPHORES IN HETEROGENIC Aeromonas hydrophila ISOLATED FROM CLINICAL AND ENVIRONMENTAL SAMPLES

Thesis submitted to the Bharathiar University in partial fulfillment of the requirements for the award of the Degree of

in
BIOTECHNOLOGY

Submitted by

MIDHUSHA JOHNY, M.Sc.

(Reg. No. 19756/B1/2011)

Under the Guidance of

Dr. R. SUBASHKUMAR, M.Sc., Ph.D.

Associate Professor and Head



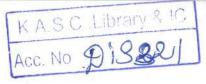
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DECEMBER 2017





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SYNTHESIS, CHARACTERIZATION OF GOLD NANOPARTICLES FROM GANODERMA LUCIDUM AND ITS ANTI CANCER ACTIVITY, ABCB1 GENE EXPRESSION ON CHEMORESISTANT MCF-7/DOX CELLS

Thesis submitted to the Bharathiar University in partial fulfilments of the Requirements for the award of the Degree of

DOCTOR OF PHILOSOPHY

IN

BIOTECHNOLOGY

Submitted by

RANJITH SANTHOSH KUMAR. D. S, M.Sc., M.Phil.

(Register No. 20407/B1/2013)

Under the Supervision of

Dr. P. SENTHILKUMAR. M.Sc., Ph.D.

Assistant Professor



PG AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re - Accredited by NAAC with 'A' grade - 3.64 CGPA out of 4 (95%)

College of excellence (UGC) and Star College (DBT)

Coimbatore - 641 029, TamilNadu,

INDIA

AUGUST - 2017



HEPATOCELLULAR CARCINOMA IN DIETHYL NITROSAMINE INDUCED MALE WISTAR RATS

THESIS SUBMITTED TO THE BHARATHIAR UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF

DOCTOR OF PHILOSOPHY

IN

BIOTECHNOLOGY

Submitted by

S. VIJAYAKUMAR

Under the Guidance of

Dr. V. BHUVANESHWARI, M.Sc., M.Phil., PGDBI., PGDNBT., Ph.D., SET.

Assistant Professor



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KONGUNADU ARTS AND SCIENCE COLLEGE

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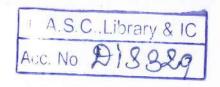
College of Excellence (UGC), STAR College Scheme (DBT)]

COIMBATORE - 641 029.

Tamilnadu, India.

August-2017





GREEN SYNTHESIS, CHARACTERIZATION AND BIOMEDICAL APPLICATIONS OF CERIUM OXIDE AND HYBRID CHITOSAN-CERIUM OXIDE NANOPARTICLES

THESIS SUBMITTED TO THE BHARATHIAR UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF

IN BIOTECHNOLOGY

Submitted by

SENTHILKUMAR, R.P.

(Register No: 25129/B1/2015)

Under the Guidance of

Dr. V. BHUVANESHWARI, M.Sc., M.Phil., PGDBI., PGDNBT., Ph.D.

Assistant Professor



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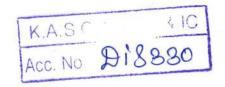
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COIMBATORE - 641 029

Tamilnadu, India

November- 2017





AND ITS EFFECTIVE INHIBITION BY GREEN SYNTHESIZED COPPER OXIDE NANOPARTICLES

Thosis submitted to the Bharathiar University in partial fulfillment of the requirements for the award of the Degree of

DOCTOR OF PHILOSOPHY in BIOTECHNOLOGY

Submitted by

SIVARANJINI, A. M.Sc., M.Phil.

(Register No. 8277/B1/2014)

Under the Guidance of

Dr. R. SUBASHKUMAR, M.Sc., Ph.D.

Associate Professor and Head



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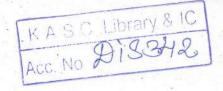
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DECEMBER 2017





MORPHOLOGICAL, PHYSIOCHEMICAL AND MOLECULAR ROLES OF SALICYLIC ACID IN AMELIORATING SALT STRESS IN Solanum melongena L.

Thesis Submitted to the Bharathiar University in partial fulfillment of the requirements for the award of the degree of

DOCTOR OF PHILOSOPHY IN BIOTECHNOLOGY

Submitted by

V. RAJESHWARI, M.Sc., M.Phil.

(Reg. No. 8277/B1/2014 (28/05/2014))

Under the Guidance of

Dr. V. BHUVANESHWARI, M.Sc., M.Phil., PGDBI., PGDNBT., Ph.D.

Assistant Professor



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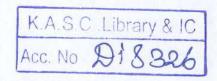
College of Excellence (UGC)]

COIMBATORE - 641 029

TAMILNADU, INDIA

JANUARY 2018





Phytopharmaceutical and *In Vitro* Propagation Studies in *Isodon wightii* (Bentham) H. Hara

THESIS

Submitted to the Bharathiar University in partial fulfillment of the requirements for the award of the degree of

IN BIOTECHNOLOGY

Submitted by

M. GOGUL RAMNATH, M.Sc., (Register No. 2013R020)

Under the guidance of

Dr. R. THIRUGNANASAMPANDAN, M.Sc., M.Phil., Ph.D.

Assistant Professor



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Coimbatore - 641 029, Tamil Nadu, India

SEPTEMBER - 2017

