

Faculty Profile of Dr. Parimelazhagan Thangaraj



Dr. Parimelazhagan Thangaraj

Professor

Department of Botany

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Mobile No: +91 8903001973

Research Area

- Bioprospecting of Medicinal Plants
- Phytomedicine
- Nutraceuticals

Education

Ph.D.

Subject : Botany

Institution : Bharathiar University, Coimbatore

Affiliated University : Bharathiar University

Year of Award : 2000

M.Sc.,

Subject: Plant Science

Institution : Bharathiar University, Coimbatore

Affiliated University : Bharathiar University

Year of Award : 1995

B.Sc.,

Subject: Botany

Institution: St. Joseph's College (Autonomous)

Affiliated University: Bharathidasan University

Year of Award: 1993

Career**At Bharathiar University (Reverse Order)**

Professor : 2014 to Till Date

Associate Professor : 2011 to 2014

Reader: 2008 to 2011

Past Experience

Scientist- C : 2007 to 2008 at Defence Research and Development Organization (DRDO), Ministry of Defence, Govt. of India.

Scientist- B : 2004 to 2007 at Defence Research and Development Organization (DRDO), Ministry of Defence, Govt. of India.

Scientist : 2000 to 2004 at Rubber Research Institute of India, Ministry of Commerce, Govt. of India, Tura, Meghalaya.

Awards

Awarding agency : DRDO
Country : India
Purpose of award : National Science Day Medal 2005
Date of Award : 28.02.2005

Awarding agency : DRDO
Country : India
Purpose of award : Laboratory Scientist of the Year award 2005
Date of Award : 17.08.2005

Awarding agency : ISMPHP at Sri Venkateshwara University, Tirupathi
Country : India
Purpose of award : Young Scientist award
Date of Award : 09.03.2008

Academic fellowships for training

Sl. No. : 1
Name of faculty : Prof.T. Parimelazhagan
Awarding agency : University Grand Commission, Government of India
Institution visited : Dept. of Pharmaceutical Sciences, College of Pharmacy
University of Hawaii, Hilo
Country : USA
Duration : 12 Months
Purpose : Post-Doctoral Research

Membership

Professional Bodies

Organization : Indian Society for Plant Physiology
Type of Membership : Life member

Period : January 2005-Till date

Organization : Society for Biological Chemists, India

Type of Membership : Life member

Period : July 2005- Till date

Organization : Indian Pharmacological Society

Type of Membership : Life member

Period : July 2005- Till date

Organization : Academy of Sciences, Chennai

Type of Membership : Fellow of the Academy of Sciences

Period : December 2019-Till date

Academic Bodies

Organization : Bharathiar University Affiliated colleges

Type of Membership : Member , Board of studies

Period : 2011 to till date

Organization : Annamalai University

Type of Membership : Member , Board of studies

Period : 2016 to 2019

Organization : Bharathidasan University, Periyar University

Type of Membership : Member , Board of studies

Period : 2017

Organization : Bharathiar University Affiliated colleges and Bharathidasan University

Type of Membership : Expert member for faculty requirements and CAS Promotions

Period : 2017 to 2019

Organization : Bharathiar University Affiliated colleges

Type of Membership : Member , Academic council and Passing Board

Period : 2016 to 2020

Organization : Tamil Nadu Agricultural University
Type of Membership : Chairman, DST - Project Review committee
Period : 2017 to 2019

Organization : Institute of Forest Genetic & Tree Breeding
Type of Membership : External expert for selection committee
Period : 2016

Organization : Sugarcane Breeding Institute
Type of Membership : Member, Assessment Committee
Period : 2016

Organization : P.S.G College of Pharmacy, Coimbatore
Type of Membership : Member, Research Advisory Committee
Period : 2015 to 2017

Organization : Institute of Forest Genetic & Tree Breeding
Type of Membership : Member, Research Advisory Group (RAG)
Period : 2018

Organization : RVS college of Arts and Science, Coimbatore
Type of Membership : Member, Governing Body
Period : 2018

Organization : Madurai Kamaraj University, Bharathidasan University, Kerala University, Annamalai University, Thiruvalluvar University, Pondicherry University, Manonmaniam Sundaranar University, Cochin University, Mother Teresa Women University, Karunya University, Manipal Academy of Higher Education , Calicut University, Mahatma Gandhi University & Kuvempu University
Type of Membership : Ph.D. Viva Voce Examiner & Ph.D. Thesis Adjudication
Period : 2011 to Till Date

Visits

Sl.No. : 1

Country Visited : Bangladesh

Duration of Visit : 3 days

Month and Year : November 1999

Purpose of Visit : Present a research paper at 10th Bangladesh Botanical

Conference organized by University of Dhaka

Sl.No. : 2

Country Visited : Sweden (Uppsala)

Duration of Visit : 4 days

Month and Year : September 2007

Purpose of Visit : Present research paper at International conference on Natural Drugs origin

Sl.No. : 3

Country Visited : Malaysia

Duration of Visit : 5 Days

Month and Year : June 2011

Purpose of Visit : Present research paper at International symposium on Underutilized plant species: Crops for the future- Beyond Food Security organized by University of Nottingham

Sl.No. : 4

Country Visited : Hawaii, USA

Duration of Visit : 12 Months

Month and Year : December 2014 to November 2015

Purpose of Visit : UGC Sponsored Raman Post-Doctoral fellow in Dept. of Pharmaceutical Sciences, College of Pharmacy University of Hawaii, Hilo

Sl.No. : 5

Country Visited : Philadelphia, USA

Duration of Visit : 3 days

Month and Year : July 2015

Purpose of Visit : Deliver a invited talk at World Nutraceutical Conference and Expo

Sl.No. : 6

Country Visited : New Jersey, USA

Duration of Visit : 5 days

Month and Year : July 2015

Purpose of Visit : Collaborative work with Dr. Simeon Kotchoni, Department of Biology, Rutgers University – Camden

Sl.No. : 7

Country Visited : Singapore

Duration of Visit : 3 days

Month and Year : July 2016

Purpose of Visit : Present research paper at 18th International Conference on Pharmacology, Medicinal and Pharmaceutical Sciences organized by World Academy of Science, Engineering and Technology

Sl.No. : 8

Country Visited : Johannesburg, South Africa

Duration of Visit : 18 days

Month and Year : February 2017

Purpose of Visit : DST Indo-South Africa Bilateral project with University of Johannesburg

Sl.No. : 9

Country Visited : Johannesburg, South Africa

Duration of Visit : 10 days

Month and Year : March 2019

Purpose of Visit : DST Indo-South Africa Bilateral project with University of Johannesburg

Sl.No. : 10

Country Visited : Dubai

Duration of Visit : 4 days

Month and Year : March 2019

Purpose of Visit : Deliver Invited lecture at Manipal Academy of Higher Education, Dubai campus

Sl.No. : 11

Country Visited : Brazil

Duration of Visit : 5 days

Month and Year : September 2019

Purpose of Visit : Invited speaker of the IV workshop on ethnopharmacology on the title "Biodiversity legislation in India" organized by Federal University of Mato Grosso, Brazil

Sl.No. : 12

Country Visited : Dubai

Duration of Visit : 4 days

Month and Year : December 2019

Purpose of Visit : Acted as External Examiner of Ph.D Viva-Voce at Manipal Academy of Higher Education, Dubai campus

Collaborators

Others

Funded Projects(National Level)

- [Ongoing - 03](#)
- [Completed - 08](#)

1. DRDO-DIHAR

Title of the project : Phytochemical and Pharmacological Investigations of *Rhodiola* sp.

Funding Agency : DRDO

Amount : Rs. 9.97 Lakhs

Duration : 2009-2012

2. DBT-Twinning

Title of the project : Biological fingerprinting of Mizo folklore plants (*Lannea coromandelica* (Houtt.) Merr. and *Trevesia palmata* Roxb.) and their therapeutic efficacy on modulation of cytokines, oxido-nitrosative stress, transcription factors and apoptosis in TNBS-induced ulcerative colitis rat model.

Funding Agency : DBT

Amount : Rs. 29.73 Lakhs

Duration : 2018-2021

3. MHRD-RUSA (BCTRC)

Title of the project : Medicinal plants: their role in human health and drug discovery for cancer.

Funding Agency : MHRD-RUSA

Amount : Rs. 6.1 Lakhs

Duration : 2020-2021

Consultancy Projects

- [Ongoing](#)
- [Completed](#)

- [Post Doc](#)
- [Ph.D](#)
- [M.Phil](#)
- [M.Sc.](#)

Sl. No. : 1

Name of the candidate : Dr. T. Suman

Title of the Thesis : Cell death induced by combination of photodynamic therapy

with phytochemicals isolated from *Vaccinium nilgiriensis* on breast cancer therapy-
an in vitro approach.

Year : 2016-2019

Ongoing

Candidate Name : M. Kasipandi

Date of Admission : 07.07.2016

Candidate Name : J. Gayathri

Date of Admission : 01.10.2018

Candidate Name : M. Ashwini Lydia

Date of Admission : 01.10.2018

Candidate Name : N. Gayathri

Date of Admission : 01.10.2018

Candidate Name : N. Dipshika Motwani

Date of Admission : 01.01.2021

Awarded

Candidate Name : R. Senthil Kumar

Title of the Thesis : Phytotherapeutic evaluation of *Rhodiola imbricata*

Year of Award : 2012

Candidate Name : Blassan P. George

Title of the Thesis : A comparative in vitro, in vivo and in silico Pharmacological
analysis of three *Rubus* species with special reference to Inflammatory
disorders and Cancer

Year of Award : 2013

Candidate Name : V. Sivasankari

Title of the Thesis : Pharmacological evaluation and phytochemical profiling of
Ehretia laevis Roxb.

Year of Award : 2014

Candidate Name : S. Saravanan

Title of the Thesis : Antioxidative and Pharmacological investigation of *Passiflora subpeltata* Orteg. and *Passiflora leschenaultii* DC.

Year of Award : 2014

Candidate Name : K. Arunachalam

Title of the Thesis : Evaluation of nutritional, phytochemical and Pharmacological properties of *Ficus amplissima* smith.

Year of Award : 2014

Candidate Name : M. Iniyavan

Title of the Thesis : Nutritional, phytochemical and pharmacological properties of heart of palm *Cocos nucifera* L.

Year of Award : 2014

Candidate Name : Rahul Chandran

Title of the Thesis : Comparative analysis of Antidiabetic potentials in *Syzygium calophyllifolium* Walp. And *Syzygium mundagam* (Bourd.) Chitra

Year of Award : 2015

Candidate Name : P. Revathi

Title of the Thesis : Nutritional and Anti diabetic properties of wild leafy vegetable *Acalypha alnifolia* Klein ex Wild.

Year of Award : 2016

Candidate Name : R. Murugan

Title of the Thesis : Exploration of nutraceutical properties of *Phoenix loureirii* Kunth through polyphenolic bio accessibility studies and its effectiveness to treat inflammatory bowel disease

Year of Award : 2017

Candidate Name : S. Dhivya

Title of the Thesis : A polyherbal evaluation of *Aristolochia indica* L. and *Piper nigrum* L. against centipede *Scolopendra moristans* L. envenomation

Year of Award : 2018

Candidate Name : P.S. Sreeja

Title of the Thesis : Evaluation of Anti-inflammatory and Anti-ulcer properties of *Sphenodesme involucrata* var. *paniculata* (C.B. Clarke) Munir – A potent medicinal plant from Western Ghats

Year of Award : 2019

Candidate Name : T. Sajeesh

Title of the Thesis : Nutritional Characterization and Pharmacological Properties of *Fagopyrum esculentum* Moench Seed Flour

Year of Award : 2019

Candidate Name : S. Saikumar

Title of the Thesis : Phytochemical Profile and Biological Activities of *Ipomoea wightii* (Wall.) Choisy

Year of Award : 2019

Ongoing

Completed

Sl. No. : 1

Name of the candidate : V. Sasikala

Title of the Thesis : Pharmacological investigations of *Passiflora foetida* L.

Year : 2009

Sl. No. : 2

Name of the candidate : D. Sangeetha

Title of the Thesis : Evaluation of phytochemical, antioxidant and pharmacological properties of *Psychotria niligriensis* Deb. & Gang.
Year : 2011

Sl. No. : 3

Name of the candidate : T. Sajeesh

Title of the Thesis : Phytochemical profiling, antioxidant and pharmacological activities of *Castanospermum australe* A. Cunn. & C. Fraser ex Hook.

Year : 2011

Sl. No. : 4

Name of the candidate : S. Karthikkumaran

Title of the Thesis : Phytochemical analysis and pharmacological evaluation of *Tarenna asiatica* (L.) O. Ktze. Ex K. Schum.

Year : 2012

Sl. No. : 5

Name of the candidate : R. Murugan

Title of the Thesis : Evaluation of antioxidants, analgesic and anti-inflammatory activities of *Osbeckia parvifolia* Arn.

Year : 2012

Sl. No. : 6

Name of the candidate : N. Poornima

Title of the Thesis : Phytochemical evaluation and therapeutic potentials of *Vaccinium leschenaultia* Wight. Against oxidative stress, inflammation and ulcer

Year : 2013

Sl. No. : 7

Name of the candidate : Elizabeth Geroge

Title of the Thesis : Investigation of antioxidant, cytotoxic and antimycotoxigenic efficacies of *Pogostemon mollis* Benth.

Year : 2014

Sl. No. : 8

Name of the candidate : M. Kasipandi

Title of the Thesis : Phytochemical exploration of *Plectranthus stocksii* Hook. F.

for antioxidant, cytotoxic and antimycotoxigenic properties

Year : 2014

Sl. No. : 9

Name of the candidate : S. Saikumar

Title of the Thesis : Pharmacognostical and pharmacological studies on
Pterolobium hexapetalum (Roth.)Sant. & Wagh.

Year : 2014

Sl. No. : 10

Name of the candidate : S. J. Geetha sree

Title of the Thesis : Extraction of polysaccharides from Rubus rugosus Sm. and
its effects on antioxidant and antiulcer activities

Year : 2016

Ongoing

Test M.Sc. Ongoing

Completed

Sl. No. : 1

Name of the candidate : K. Abirami

Title of the Dissertation : Phytochemical screening and antifungal activity of
certain medicinal plants used in traditional medicine

Year : 2009

Sl. No. : 2

Name of the candidate : M. Krishnan

Title of the Dissertation : Biochemical evaluation of Cassia species - An under
exploited wild legumes

Year : 2009

Sl. No. : 3

Name of the candidate : P. Revathi

Title of the Dissertation : Traditional knowledge on medicinal plants used by
Irula tribe of Hasanur hills Erode district, Tamil Nadu

Year : 2009

Sl. No. : 4

Name of the candidate : Rahul Chandran

Title of the Dissertation : Evaluation of Nutritional, Antioxidant and Anti-inflammatory properties of *Monochoria vaginalis* (Burm.f.) C. Presl.

Year : 2010

Sl. No. : 5

Name of the candidate : D. Deivanai

Title of the Dissertation : Antioxidant and antipyretic activities of leaf extracts of *Zehneria maysorensis* (W & A) Arn.

Year : 2010

Sl. No. : 6

Name of the candidate : T. Sajeesh

Title of the Dissertation : Antioxidant and Anti-pyretic studies on *Pothos scandens* L.

Year : 2010

Sl. No. : 7

Name of the candidate : T.K. Yamini

Title of the Dissertation : Evaluation of antioxidant and wound healing activities of *Rubus ellipticus* smith

Year : 2011

Sl. No. : 8

Name of the candidate : R. Murugan

Title of the Dissertation : Phytochemical, Antioxidant and Anti-inflammatory activities of *Ficus amplissima* Smith

Year : 2011

Sl. No. : 9

Name of the candidate : B. John Prakash

Title of the Dissertation : Investigation of *Maesa indica* (Roxb.) A.DC. for their nutritional content and antioxidant activity

Year : 2012

Sl. No. : 10

Name of the candidate : V. Nivedhini

Title of the Dissertation : Nutritional analysis and Anti radical properties of *Cucumis dipsaceus* Ehrenb. Ex Spach

Year : 2012

Sl. No. : 11

Name of the candidate : C. Swathi Krishna

Title of the Dissertation : Evaluation of *Laportea interrupta* (L.) Chew for Nutritional, Antioxidant and Pharmacological properties

Year : 2012

Sl. No. : 12

Name of the candidate : S. Saikumar

Title of the Dissertation : Phytochemical screening and Antioxidant potential of *Syzygium calophyllifolium* Walp. Fruits

Year : 2013

Sl. No. : 13

Name of the candidate : S. Harini

Title of the Dissertation : In vitro Antioxidant, Anti-arthritic and Anthelmintic studies of *Trichodesma zeylanicum* (Burm.f.) R.Br.

Year : 2013

Sl. No. : 14

Name of the candidate : Elizabeth George

Title of the Dissertation : In vitro screening of Rubus fruits – A comparative analysis

Year : 2013

Sl. No. : 15

Name of the candidate : T. Abirami

Title of the Dissertation : Evaluation of Nutritional, Antioxidant and Bioavailability studies on Oxalis tetraphylla Cav.

Year : 2014

Sl. No. : 16

Name of the candidate : S. Dhivya

Title of the Dissertation : Pharmacognostic and pharmacological properties of Cucumis leiospermus (Wight. & Arn.) Ghebret. & Thulin.

Year : 2014

Sl. No. : 17

Name of the candidate : B. Shanmuganathan

Title of the Dissertation : Photosynthesis of Silver Nanoparticles using the leaf extract of Ficus talboti King and Evaluation of Biological activities

Year : 2014

Sl. No. : 18

Name of the candidate : J. Gowtham

Title of the Dissertation : Psychopharmacological and Antioxidant activity of Lycopodiella cernua (L.) Pic Serm.

Year : 2015

Sl. No. : 19

Name of the candidate : J. Prabu

Title of the Dissertation : Nutritional analysis, Antioxidant, and Anti diabetic potentials of Breynia retusa (Dennst.) Alston

Year : 2015

Sl. No. : 20

Name of the candidate : S.J. Geetha Sree

Title of the Dissertation : Evaluation of Nutritional, Antioxidant, Antidiabetic and Cytotoxic potentials of underutilized Keri berry - *Rubus rugosus* Sm

Year : 2015

Sl. No. : 21

Name of the candidate : V. Thamarai Kani

Title of the Dissertation : Survey of Medicinal plants used by Traditional Veterinary practitioners in Varusanadu hills of Southern Western Ghats

Year : 2016

Sl. No. : 22

Name of the candidate : S. Vishnu Kumar

Title of the Dissertation : Nutritional evaluation and In vitro studies on *Abutilon striatum* Dicks. against Oxidative stress, Inflammation and Arthritis

Year : 2016

Sl. No. : 23

Name of the candidate : M. Pavithra

Title of the Dissertation : Impact of different cooking methods and solvent extraction on Nutritional composition and Antioxidant activities of *Hibiscus surattensis* L. leaf

Year : 2016

Sl. No. : 24

Name of the candidate : K. Arun prasath

Title of the Dissertation : Nutritional evaluation and antioxidant potential of *Celosia polygonoides* Retz.

Year : 2017

Sl. No. : 25

Name of the candidate : A. Manikandan

Title of the Dissertation : Extraction and characterization of water soluble polysaccharides from *Opilia amentacea* Roxb. for in vitro antioxidant and anti-

diabetes activity

Year : 2017

Sl. No. : 26

Name of the candidate : S. Sruthi

Title of the Dissertation : Evaluation of nutritional antioxidant and anti-arthritic activity of *Hedychium coronarium* J. Koenig

Year : 2017

Sl. No. : 27

Name of the candidate : Vrindarani A.S.

Title of the Dissertation : Analysis of antioxidant and anti-diabetic properties of water soluble polysaccharides from *Zehneria maysorensis* (W&A) Arn.

Year : 2017

Sl. No. : 28

Name of the candidate : Ashwini Lydia M.

Title of the Dissertation : Evaluation of Phytochemicals and antimicrobial activity of *Elaeocarpus tectorius* (Lour.) Poir. Against urinary tract infection pathogens

Year : 2018

Sl. No. : 29

Name of the candidate : Gayathri J.

Title of the Dissertation : Optimization of antioxidant compounds extraction conditions of *Ficus* species using Response surface methodology

Year : 2018

Sl. No. : 30

Name of the candidate : P. Vekashini

Title of the Dissertation : Effect of drying methods on the Phytochemicals and antioxidant properties of *Ficus racemosa* L. and *Ficus auriculata* Lour. fruits

Year : 2019

Sl. No. : 31

Name of the candidate : Zuvairiya A.

Title of the Dissertation : Validation of the anti-inflammatory and antibacterial

potential of polyherbal formulation and its efficacy against urinary tract infecting pathogens

Year : 2019

- [International](#)
- [National](#)
- [Patents](#)
- [Conferences](#)
- [Books / Chapters](#)
- [Database](#)

Reverse Chronological Order

2021

101. [Integrated genomic and functional characterization of the anti-diabetic potential of *Arthrobacter* sp. SW1,](#)

S Shaligram, P Nitin., Shreyas V. Kumbhare, Manobjyoti Bordoloi, Kashyap J. Tamuli, Shyamalendu Nath, T. Parimelazhagan, Vikas S. Patil, Atya Kapley, Shrikant P. Pawar, Dhiraj P. Dhotre, M. G. Muddeshwar, Hemant J. Purohit & Yogesh S. Shouche
Current Microbiology, (Accepted).

100. [Exploring combined herbal extract-loaded phytoniosomes for antimalarial and antibacterial activity against methicillin-resistant *Staphylococcus aureus*](#)

E. Tamilselvi, A Karuppaiah, G Shyamala, S Shobana, T Parimelazhagan, S Hariharan, V Sankar
3 Biotech, 11 :117

99. [Canthin-6-one ameliorates TNBS-induced colitis in rats by modulating inflammation and oxidative stress. An in vivo and in silico approach](#),
K. Arunachalam, A.S. Damazo, A. Macho, M.S. Matchado, E. Pavan, F. de Freitas Figueiredo & D.T. de Oliveira Martins,
Biochemical Pharmacology, 114490.

2020

98. [Volatile profiling and UHPLC-QqQ-MS/MS polyphenol analysis of Passiflora leschenaultii DC. fruits and its anti-radical and anti-diabetic properties](#),
Saravanan Shanmugam, Rafael Donizete Dutra Sandes, Murugan Rajan, Maria Terezinha Santos Leite Neta, Bruno dos Santos Lima, Maria Joseli Melo de Jesus, Marina Denadai, Narendra Narain, Parimelazhagan Thangaraj, Mairim Russo Serafini, Lucindo José Quintans-Júnior, Adriano Antunes de Souza Araújo,
Food Research International,133, 109202.

97. [Profiles of nutritional, bioactive compounds and cytotoxic activity of Dwarf date palm \(Phoenix loureiroi\) fruit](#)
M. Rajan, S. Shanmugam, T. J. F. L.Guedes, P. Thangaraj, P.F. Barbosa, & N. Narain
Journal of Food Measurement and Characterization, 1-15

96. [Combined Effect of Vaccinium nilgiriensis Bark Extract and 680 nm Laser Irradiation in Inducing Breast Cancer Cell Death](#)
B.P. George, R. Chandran, S. Thamburaj, & T. Parimelazhagan
Anti-cancer agents in medicinal chemistry

95. [Antibacterial activity of elaeocarpus spp: an in vitro evaluation](#)
P. Ponmurugan, T. Parimelazhagan, A. Rajendran, P. Gurusaravanan, T. Sekar, M. Suganya & M. Gnanamangai
International Journal of Pharmaceutical and Biological Science Archive, 8(1)

94. [Effect of different cooking methods of Hibiscus serratensis L. Leaf vegetable on nutritional, anti-nutritional composition, and antioxidant activities](#)
P. Moorthy, M. Rajan, S. Sathyanarayanan, K. Muniyandi, D. Sivaraj, S.P. Sasidharan & P. Thangaraj

Journal of Culinary Science & Technology, 18(1), 13-28

93. [Role of photoactive phytochemicals in photodynamic therapy of cancer.](#)

K. Muniyandi, B. George, T. Parimelazhagan & H. Abrahamse

Molecules, 25(18), 4102

2019-2004

92. [HPLC-DAD-MS identification of polyphenols from Passiflora eschenautilia and determination of their antioxidant, analgesic, anti-inflammatory and antipyretic properties](#)

S. Shanmugam, I. Murugaiyan, B. dos Santos Lima, M.R. Serafini, A.A. de Souza Araújo, N. Narain & P. Thangaraj

Arabian Journal of Chemistry, 12(6), 760-771

91. [Protective effects of flavonoid composition rich P. Subpeltata Ortega. On indomethacin induced experimental ulcerative colitis in rat models of inflammatory bowel diseases](#)

S. Shanmugam, P. Thangaraj, B. dos Santos Lima, G.G. Trindade, N. Narain, A.M.D.O. e Silva, & A.A. de Souza Araújo

Journal of Ethnopharmacology, 112350

90. [Comparative Study of Biological \(Phoenix loureiroi Fruit\) and Chemical Synthesis of Chitosan-Encapsulated Zinc Oxide Nanoparticles and their Biological Properties](#)

M. Rajan, A.J. Anthuvan, K. Muniyandi, N.K. Kalagatur, S. Shanmugam, S. Sathyanarayanan & N. Narain

Arabian Journal for Science and Engineering, 1-14

89. [Antioxidant, anti-inflammatory activities and HPLC quantification of flavonoids in Pteris Sw. A critically endangered medicinal fern from India](#)

X Baskaran, G. Vigila, A. Varuvel, T. Parimelazhagan, M. Doulatnabad, and K. Rajan
Biocatalysis and Agricultural Biotechnology, 101304

88. [Antioxidant and antimicrobial investigations of Elaeocarpus tectorius \(Lour.\) Poir. Fruits against urinary tract infection pathogens](#)

A.L. Manoharan, S. Thamburaj, K. Muniyandi, G. Jagadeesan, S. Sathyanarayanan, G. Nataraj, & P. Thangaraj

87. [Effects of in vitro simulated gastrointestinal digestion on the antioxidant, \$\alpha\$ -glucosidase and \$\alpha\$ -amylase inhibitory activities of water-soluble polysaccharides from *Opilia amentacea* roxb fruit](#)

M. Kasipandi, A. Manikandan, P.S. Sreeja, T. Suman, S. Saikumar, S. Dhivya, & T. Parimelazhagan

LWT- Food Science and Technology, 111, 774-781

86. [Antioxidant Effects and Suppression of Nitric Oxide Production in LPS-stimulated Macrophages by Fractions of *Vaccinium leschenaultia* Wight](#)

P. Thangaraj, J.M. Pezzuto, T.P. Kondratyuk, & M. Rajan

Journal of Herbs, Spices & Medicinal Plants, 1-14

85. [Anti-hyperalgesic and anti-inflammatory effects of citral with \$\beta\$ -cyclodextrin and hydroxypropyl- \$\beta\$ -cyclodextrin inclusion complexes in animal models](#)

A. Caio Campos, S. Bruno Lima, G.G. Gabriela Trindade, P.B.S.S. Eloísa Souza, S.A. Débora Mota, Luana Heimfarth, S.S. Jullyana Quintans, J. Lucindo Quintans-Júnior, M. Eliana Sussuchi, H.V. Victor Sarmiento, M.S. Flávio Carvalho, N. Ricardo Marreto, M.R. Roseane Costa, S. Rogéria Nunesa, A.S. Adriano Araújoa, S Shanmugama, T Parimelazhagan

Life Sciences 229, 139-148;

84. [Phenolics, tannins, flavonoids and anthocyanins contents influenced antioxidant and anticancer activities of *Rubus* fruits from Western Ghats, India,](#)

K. Muniyandi, E. George, S. Sathyanarayanan, B.P. George, H. Abrahamse, S. Thamburaj, & P. Thanagraj,

Food Science and Human Wellness 8(1): 66-74

83. [Effect of in vitro simulated digestion on sugar content and biological activities of *Zehneria maysorensis* \(Wight & Arn.\) Arn. Leaf polysaccharides,](#)

M. Kasipandi, A.S. Vrindarani, P.S. Sreeja, S. Thamburaj, S. Saikumar, S. Dhivya, & T. Parimelazhagan,

Journal of Food Measurement and Characterization;

82. [Optimization of phenolic compounds extracting conditions from *Ficus racemosa* L. Fruit using response surface method,](#)

J Gayathri, K Muniyandi, AS Manoharan, S Thamburaj, S Sathyanarayanan, and T Parimelazhagan,
Journal of Food Measurement and Characterization, 13(1): 312-320 (2019).

81. [Sphenodesme var. Paniculata \(CB Clarke\) Munir.: chemical characterization, anti-nociceptive and anti-inflammatory activities of methanol extract of leaves,](#)

P.S. Sreeja, K. Arunachalam, D.T. de Oliveira Martins, J.C. da Silva Lima, S.O. Balogun, E. Pavan, S. Saikumar, S. Dhivya, M. Kasipandi, and T. Parimelazhagan,
Journal of Ethnopharmacology. 221: 71-80 (2018).

80. [Diphyllin: An effective anticandidal agent isolated from Cleistanthus collinus leaf extract,](#)

T Suman, R Elangomathavan, M Kasipandi, K Chakkaravarthi, D Tamilvendan, T Parimelazhagan,
Egyptian Journal of Basic and Applied Sciences 5, 130-137 (2018).

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International / National : National

Date of Filing : 20/04/2010

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Date of Grant : 27/11/2019

Sl. No. : 3

Details of Patent : *Isolation of compounds with Anti-diabetic potentials from Syzygium mundagam*

International / National : National

Date of Filing : 09/09/2015

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Date of Grant : 25/06/2021

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