

## **Faculty Profile of Dr. P. Siddhuraju**



**Dr. P. Siddhuraju**  
**Professor & Head**  
**Department of Environmental Sciences**

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### **Research Area**

- Underutilised Crops Resources
- Environmental Food Security
- Sewage Wastewater Reuse
- Microplastics
- Zero Waste Agroecosystem

### **Education & Career**

#### **Education**

**Ph. D.**

Subject : Botany

Institution : Bharathiar University

Affiliated University :Bharathiar University

Year of Award : 1994

**M.Phil.,**

Subject : Botany

Institution : Bharathiar University

Affiliated University : Bharathiar University

Year of Award : 1990

**M. Sc.,**

Subject: Botany

Institution : Annamalai University

Affiliated University : Annamalai University

Year of Award : 1988

**B. Sc.,**

Subject: Botany

Institution: Gobi Arts and Science College

Affiliated University: Bharathiar University

Year of Award: 1986

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

Professor and Head & Dean of Research (Department of Environmental Sciences): 14. 06. 2022 to till date.

Professor and Dean of Research (Department of Environmental Sciences): 13. 01. 2021 to 13. 6. 2022.

Professor and Head (Department of Environmental Sciences): 01. 07. 2016 to 13.01.2021.

Professor(Department of Environmental Sciences) : 01-Feb-2015 to 30. 06. 2016

Associate Professor(Department of Environmental Sciences) : 01-Feb-2012 to 31-Jan-2015

Reader(Department of Environmental Sciences) : 31-Jan-2009 to 31-Jan-2012

### **Past Experience**

Post-Doctoral Scientist: 1997 (Jan) to 1997 (Dec) at the Department of Metabolism and Nutrition, Instituto Del Frio, Spanish National Research Council (CSIC), Madrid, Spain

Lecturer and Head i/c : 1998 (June) to 1999 (Jan) at the Dept. of Biochemistry, PGP College of Arts and Science, Namakkal

Post-Doctoral Scientist: 1999 (May) to 2004 (April) at the Dept. of Aquaculture Systems and Animal Nutrition, Institute for Animal production in the Tropics and Subtropics, University of Hohenheim, Germany

Lecturer: 2004 (June) to 2005 (July) at the Department of Biotechnology, Karpagam Arts and Science College, Coimbatore

Guest Lecturer: 2006 (July) to 2008 (Jan) at the Department of Botany, Bharathiar University, Coimbatore

Lecturer: 2008 (Jan 14th FN) to 2009 (Jan 31st FN) at Department of Biotechnology, Bharathiar University, Coimbatore

Research Associate: July 1995 to Dec 1996 at Dept. of Botany, Bharathiar University, Coimbatore

### **Awards**

#### **Travel awards**

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Funding agency: Council of Scientific and Industrial Research (CSIR)

Title of paper: Chemical and Nutritional Studies on the Underutilized Tribal legume, *Entada scandens* Seeds.

Date: 8<sup>th</sup>-10<sup>th</sup> July, 1996

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#### **Academic Awards**

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Awarding agency: Council of Scientific and Industrial Research, Govt. of India, New Delhi

Purpose of award: Senior Research Fellowship

Date: 21. 09. 1992

Awarding agency: Council of Scientific and Industrial Research, Govt. of India, New Delhi

Purpose of award: Research Associateship

Date: 11. 7. 1995

Awarding agency: AvH Foundation, Bonn, Germany

Purpose of award: Post-Doctoral Research Fellowship

Date:1997

Awarding agency: AvH Foundation, Bonn, Germany

Purpose of award: Post Doctoral Research Fellowship

Date:1999

Awarding agency: AvH Foundation, Bonn, Germany

Purpose of award: Senior Post Doctoral Research Fellowship

Date:2001

Awarding agency: Spanish Ministry of Education & Science, Madrid, Spain

Purpose of award: Post-Doctoral Research Fellowship

Date:1997

Awarding agency: Institute of Feed Science, Zhejiang University, Zhejiang, P.R. China

Purpose of award: Visiting Scientist Fellowship

Date:2006

Awarding agency: Research Department of the International Biographical Centre (IBC), Cambridge, England.

Purpose of award: One of the 2000 Outstanding Scientists

Date:2008-2009

Awarding agency: Soil Use and Management journal, British Society of Soil Science, UK

Purpose of award: Potential Reviewer

Date:2020

Awarding agency: Bharathiar University, Coimbatore, TN, India

Purpose of award: Research Citation Certificate

Date:2020

Awarding agency: Stanford University, USA

Purpose of award: Top 2% Scientist from India in the field of Food Science

Date:2020

Awarding agency: Society of Chemical Industry (SCI), London, UK

Purpose of award: Selected and Awarded E-Membership

Date:2021

Awarding agency: Royal Society of Research (RSR),London

Purpose of award: Selected as Member of the based on the “potential research ranking among the top few globally”

Date:2021

Awarding agency: Stanford University, USA

Purpose of award: Top 2% Scientist from India in the field of Environmental Food Security (Food Science)

Date:2021

Awarding agency: Govt. of India NITI Aayog NGO Darpan, AP, India

Purpose of award: International Distinguished Research Excellence Award 2022 in Environmental Sciences

Date:2022

Awarding agency: Frontiers Nutrition Journal, Lausanne, Switzerland

Purpose of award: Guest Editor

Date:2022

## **Professional Bodies**

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**Nutrition Society of India, National Institute of Nutrition,Hyderabad, India.**

Member: member

Period:Life membership

**Association of Food Scientists and Technologists (India),CFTRI, Mysore, India.**

Member: member

Period: Annual Membership

**National Ecology and Environment Foundation (NEEF), Mumbai, India.**

Member :member

Period: Life membership

**Indian Society for Life Cycle Assessment (ISLCA), promoted by NEEF, Mumbai, India.**

Member :Honorary Member

Period: Annual Membership

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**Academic Bodies**

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**Indian Science Congress Association (ISCA), Kolkata, India**

Member: Member

Period:Life Membership

**International Society of Tropical Ecology (ISTE), Banaras Hindu University, Varanasi, India.**

Member:Member

Period:Annual Membership

**Indian Ecological Society (IES), Punjab Agricultural University, Ludhiana, India.**

Member:Member

Period:Life Membership

**Society for Plant Biochemistry and Biotechnology (SPBB), IARI, New Delhi, India.**

Member: Member

Period: Annual membership

**American Chemical Society (ACS), Washington DC, USA**

Member: Honorary Member

Period: Annual Membership

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**Visits**

Country : Spain

Date of Visit :Jan 1997- Dec 1997

Purpose of Visit : Post-Doctoral Scientist

Country : Germany

Date of Visit :March 1999 – April 1999

Purpose of Visit : Fellowship for Intensive 8 week German language speaking certificate course

Country : Germany

Date of Visit : May 1999 - April 2004

Purpose of Visit : Post-Doctoral Research Scientist

Country : UK

Date of Visit : July 1996

Purpose of Visit : Paper presentation at International Conference on Domestication, Production and Utilisation of New Crops; Practical Approaches held at University of Southampton, Southampton, UK

## **Collaborators**

## **Others**

## **Projects**

Funded Projects(National Level)

- [Ongoing - 0](#)
- [Completed -7](#)

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### **1. Stoll VITA Foundation, Waldshut-Tiengen, Germany**

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**Title of the project :** Nutritional evaluation of an underutilised tropical legume, *Mucuna pruriens* var. *utilis*, as alternative food for human and animals

**Funding Agency :** Stoll VITA Foundation, Waldshut-Tiengen, Germany

**Amount :** Rs. 32,00,000

**Duration :** 2000-2002

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## **2. UGC**

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**Title of the project :** Studies on nutritional evaluation and biofunctional properties of selected underutilised legumes, Bauhinia vahillii, Canavalia ensiformis and Vigna vexillata through in vitro and in vivo approaches

**Funding Agency :** University Grants Commission (UGC), New Delhi

**Amount :** Rs. 7, 45, 600

**Duration :** 01. 04. 2007 - 31. 03. 2010

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## **3. Suguna Poultry Farm Ltd, Coimbatore**

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**Title of the project :** Screening of Natural Saponins for Feed Additives in Poultry Production

**Funding Agency :** Suguna Poultry Farm Ltd, Coimbatore

**Amount :** Rs. 5, 00, 000

**Duration :** 2008-2011

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## **4. Jatropower AG, Switzerland**

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**Title of the project :** Biochemical evaluation, biofunctional prospecting, assessment of genetic basis of variability and characterization of genetic markers of diverse germplasm of Jatropha curcas

**Funding Agency :** Jatropower AG, Switzerland

**Amount :** Rs. 8, 00, 000

**Duration :** 18. 09. 2008 - 17. 9. 2010

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## **5. Alexander von Humboldt (AvH) Foundation, Bonn, Germany**

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**Title of the project :**Studies on nutritional evaluation of differentially processed certain underutilized legumes as alternative food and feed sources through in vitro and in vivo experiments

**Funding Agency :** Alexander von Humboldt (AvH) Foundation, Bonn, Germany

**Amount :** Rs. 12, 66, 700

**Duration :**17.11.2008- 16.11.2011

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## **6. University Grants Commission (UGC), New Delhi**

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**Title of the project :**Nutritional and nutraceuticals evaluation of selected underutilised legumes, *Acacia auriculiformis* and *Parkia roxburghii* through in vitro and in vivo studies

**Funding Agency :** University Grants Commission (UGC), New Delhi

**Amount :** Rs.10, 54, 300

**Duration :**01.02.2009 - 31. 01. 2012

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## **7. Ministry of Human Resource and Development (MHRD), New Delhi**

**Title of the project :** Bioresource potential of lesser utilised crop species, *Acacia leucophloea*, *Adenanthera pavonina*, *Pithecellobium dulce* and *Xylia xylocarpa* for sustainable and healthy integrated agro ecosystem and environmental food security with reference to Coimbatore region, TN

**Funding Agency :**Ministry of Human Resource and Development (MHRD), New Delhi

**Amount :** Rs. 10,00,000

**Duration :** 03.02.2020- 31.06.2020

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## Consultancy Projects

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

## Research Guidance

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

## Ongoing

Ongoing-4

## Awarded

Sl. No. : 1

Name of the candidate :Sathya. A

Title of the Thesis :Evaluation of traditional processing methods on nutritional and nutraceutical prospects of underutilized legumes, *Acacia auriculiformis* and *Parkia roxburghii*-in vitro and in vivo investigations

Year Of Awarded :2013

Sl. No. : 2

Name of the candidate :Sasipriya. G

Title of the Thesis :Nutraceutical perspectives, feed potentiality and health benefits of differentially processed underexploited bioresources, *Entada scandens*, *Canavalia gladiata* and *C. ensiformis*

Year Of Awarded :2014

Sl. No. : 3

Name of the candidate :Nithiyanantham.S

Title of the Thesis :Biochemical evaluation, biofunctional prospecting, assessment of genetic variability and characterization of diverse *Jatropha curcas* germplasm

Year Of Awarded :2014

Sl. No. : 4

Name of the candidate :Nagarani, G

Title of the Thesis :Comparative study on chemical composition, antioxidant properties and therapeutic potential of leaves, tubers, raw and processed green fruits of *Momordica dioica*, *M. charantia* and *M. charantia* var. *muricata*

Year Of Awarded :2015

Sl. No. : 5

Name of the candidate :Sangeethapriya.M

Title of the Thesis :Studies on nutraceutical and health benefits of fruits, leaves and barks of *Zizyphus mauritiana* and *Zizyphus oenoplia*: under exploited bioresources

Year Of Awarded :2015

Sl. No. :6

Name of the candidate :Abirami. A

Title of the Thesis :Studies on functional food perspectives of underutilised fruits-Citrus *hystrix* and *Citrus maxima* through in vitro and in vivo investigations

Year Of Awarded :2015

Sl. No. :7

Name of the candidate :Dhanaselvi.M

Title of the Thesis :Environmental Sustainability: Critical study on ecology and economy, legislation and policies, and socio environmental perception

Year Of Awarded :2018

Sl. No. : 8

Name of the candidate :Aathira. M

Title of the Thesis :Studies on bioresource potential of underutilised tuber crops: *Dioscorea esculenta* (Lour.) Burkill and *Dioscorea bulbifera* (L.) in comparison to commonly cultivated *Typhonium trilobatum* (L.) Schoot and their impact on rural environmental food security

Year Of Awarded :2018

Sl. No. : 9

Name of the candidate :Jenit K. Joy

Title of the Thesis :Comparative Characteristic profile of raw and processed wild tubers (*Dioscorea* spp.) with common edible tuber,*Plectranthus rotundifolius*

Year Of Awarded: 2018

Sl. No. : 10

Name of the candidate: Dhanya. V

Title of the Thesis: A comparative study on crop quality, nutritional aspects and environmental food security of domestic sewage waste water and well water irrigated *Sorghum bicolor* (L.), *Vigna mungo* (L.) Hepper and *Amaranthus tricolor* (L.) collected from semi urban and rural areas of Coimbatore, Tamil Nadu

Year Of Awarded: 2021

Sl. No. : 11

Name of the candidate: Saipriya. V

Title of the Thesis :Studies on ecology, collection and functional food perspectives of two different varieties of neglected legume, winged bean (*Psophocarpus tetragonolobus*) from Western Ghats Biosphere

Year Of Awarded: 2021

Ongoing

Completed

Sl. No. : 1

Name of the candidate : Varadharajan. S

Title of the Thesis :Antioxidant activity of methanol extract from three different species of *Solanum*: A potential vegetable bioresources.

Year Of Awarded :2010

Sl. No. : 2

Name of the candidate :Panneer Selvam, P

Title of the Thesis :Studies of the antioxidant activity of *Bauhinia purpurea*. A preliminary assessment of crude extracts from raw and processed seeds, bark, flower, and pod samples.

Year Of Awarded : 2011

Sl. No. : 3

Name of the candidate :Palanisamy S

Title of the Thesis :Effect of irrigation water quality on commonly cultivated legumes *Vigna unguiculata* (L.) Walp. and *Vigna radiata* (L.)R. wilezek) from different urban, semi urban, rural region of Cuddalore district, TN.

Year Of Awarded : 2018

Ongoing

Completed

Sl. No. : 1

Name of the candidate :Cinela Celine

Title of the Dissertation :Antioxidant activity and antimicrobial properties of nutraceuticals from *Cassia obtusa* L. Roxb.

Year Of Awarded :2005

Sl. No. : 2

Name of the candidate :Shyamala Gowri, S

Title of the Dissertation :Free radical scavenging and antioxidant activity of flowers and leaves from agathi (*Sesbania grandiflora* (L.) Pers )

Year Of Awarded : 2007

Sl. No. : 3

Name of the candidate :Natarajan, B

Title of the Dissertation : Studies on antioxidant activity of young leaves and stem bark of *Psidium guajava* (Linn.)

Year Of Awarded : 2007

Sl. No. : 4

Name of the candidate :Ravi, L.

Title of the Dissertation :Free radical scavenging and antioxidant activity of jambolon (*Syzygium cumini* (Linn.) Skeels)

Year Of Awarded : 2007

Sl. No. : 5

Name of the candidate :Kiran Chandran

Title of the Dissertation :Antioxidant activity of prickly pears (*Opuntia dillenii* Haw) fruits extracts

Year Of Awarded : 2009

Sl. No. : 6

Name of the candidate :Santhanalakshmi, R

Title of the Dissertation :Studies on antioxidant activity of jambolana (*Syzygium cumini*, Linn) sheels-matured fruits

Year Of Awarded :2009

Sl. No. : 7

Name of the candidate :Geetha.M

Title of the Dissertation :Studies on antioxidant activity and free radical scavenging properties of *Cyphomandra betacea* fruits

Year Of Awarded :2009

Sl. No. : 8

Name of the candidate :Femina Immaculate

Title of the Dissertation :Antioxidant properties and radical scavenging activities of banana (*Musa paradisiaca*. Linn) Flowers

Year Of Awarded :2008

Sl. No. : 9

Name of the candidate :Radhika, R

Title of the Dissertation :Evaluation of phenolic contents & antioxidant potential in edible parts of *Mukia maderaspatana* and *Solanum trilobatum*

Year Of Awarded : 2010

Sl. No. : 10

Name of the candidate :Panneer Selvam, P

Title of the Dissertation :Studies on natural antioxidant activities of solvent extracted bioactive constituents from *Vicia faba* and *Vigna radiata* seeds

Year Of Awarded :2010

Sl. No. : 11

Name of the candidate :Fousiya, K. A

Title of the Dissertation :Studies on antioxidant activity of citrus fruits (Citrus limon & Citrus medica) peel  
Year Of Awarded : 2010

Sl. No. : 12

Name of the candidate :Lakshmi, K. R

Title of the Dissertation :Antioxidant activity of two different solvent extracts of raw and hydrothermally processed edible tubers & bulbils of D. alata & bulbils of D. bulbifera

Year Of Awarded : 2011

Sl. No. : 13

Name of the candidate :Selva Kumar, S

Title of the Dissertation :Dietary phenolic constituents and antioxidant activity of two different solvent extracts from raw and processed legumes, Cicer arietinum & Pisum sativum. L.

Year Of Awarded : 2011

Sl. No. : 14

Name of the candidate :Lintu Maria, C

Title of the Dissertation :Free radical scavenging capacity and antioxidant potential of raw & processed edible unripe fruits and flowers of two different indigenous banana species (Musa paradisica Var. Monthan and Enseta superbum)

Year Of Awarded : 2011

Sl. No. : 15

Name of the candidate :Nikitha Prasad

Title of the Dissertation : Free radical scavenging capacity and antioxidant potential of raw and processed edible plants of two different indigenous species Boerhavia diffusa and Portulaca oleracea.

Year Of Awarded : 2012

Sl. No. : 16

Name of the candidate :Dhinesh Kumar. M

Title of the Dissertation :Effect of traditional processing methods on the phenolic constituents and antioxidant activity from two indigenous millet (Echinochloa frumentacea and Paspalum scrobiculatum)Cultivars.

Year Of Awarded : 2012

Sl. No. : 17

Name of the candidate :Aswathy Gopal

Title of the Dissertation : Antioxidant activity of aqueous acetone extract of raw and processed core and petal parts of *Nelumbo nucifera* and *Nymphaea alba*.

Year Of Awarded : 2012

Sl. No. : 18

Name of the candidate :Faizal, A

Title of the Dissertation :Studies on proximate composition, phenolic constituents and antioxidant properties of raw and traditionally processed indigenous green leafy vegetables (*A. spinosus* and *S. androgynus*)

Year Of Awarded : 2013

Sl. No. : 19

Name of the candidate :Ragavendran, U

Title of the Dissertation :Proximate composition and antioxidant potential of raw and hydrothermal treated of two underutilized leafy vegetable

Year Of Awarded :2013

Sl. No. : 20

Name of the candidate :Soya, C

Title of the Dissertation : Biochemical composition and antioxidant potential of different edible parts of raw and hydrothermal processed *Musa paradisiaca* (var. Charapooovan)

Year Of Awarded :2013

Sl. No. : 21

Name of the candidate : Archana Krishnan

Title of the Dissertation :Total phenolic content and antioxidant activities of aqueous acetone and methanolic extracts from raw and boiled rhizomes of *Maranta arundinacea* L. and *Curcuma amada* Roxb

Year Of Awarded : 2014

Sl. No. : 22

Name of the candidate :Jincy, C

Title of the Dissertation :Evaluation of free radical scavenging and antioxidant potential of different edible parts of raw and processed *Musa Paradisiaca* (L.)Var. Kunnan and Polayamkodan

Year Of Awarded :2014



Sl. No. : 23

Name of the candidate :Priyadharshini, S

Title of the Dissertation :Effect of hydrothermal processing on total phenolic content and antioxidant activity of aqueous acetone and methanolic extract from underutilized leafy vegetables (*Celosia argentea*L., *Digera muricata* (L.)Mart. and *Tribulus terrestries* L..

Year Of Awarded :2014

Sl. No. : 24

Name of the candidate :Sijo Joseph

Title of the Dissertation :Studies on antioxidant potential of two different solvent extract from raw and hydrothermal processed samples of *Artocarpus altilis* (Parkinson) Fosberg and *Colocasia esculenta* (L.) Schott.

Year Of Awarded : 2014

Sl. No. : 25

Name of the candidate :Aswini, C

Title of the Dissertation :Studies on proximate composition, phenolic constituents and antioxidant potential of differentially processed lesser known green leafy vegetables (*Achyranthus aspera* L. and *Talinum triangulare* L.).

Year Of Awarded : 2015

Sl. No. : 26

Name of the candidate :Sudarsa, K. S

Title of the Dissertation :Effect of indigenous processing methods on proximate composition, mineral profiles and antioxidant potential of edible leaves of *Vigna unguiculata* (L.), and *Cucurbita pepo*(L.).

Year Of Awarded : 2015

Sl. No. : 27

Name of the candidate :Palanisamy, S

Title of the Dissertation :Effect of traditional processing methods on proximate composition, mineral profile and antioxidant potential of two indigenous millet *Pennisetum glaucum* (L.) var. (Rice pearl millet and Gaint pearl millet)

Year Of Awarded : 2016

Sl. No. : 28

Name of the candidate :Sathish, C

Title of the Dissertation :Effect of traditional processing methods on proximate composition, mineral profile and antioxidant potential of two indigenous millet (*Setaria italica* L. and *Panicum sumatrense*) cultivars.

Year Of Awarded : 2016

Sl. No. : 29

Name of the candidate :Janani, R

Title of the Dissertation :Developing of operational and maintenance of eco-friendly research plan for faecal sludge treatment plant in Thiruchirappalli.

Year Of Awarded : 2017

Sl. No. : 30

Name of the candidate :Revathy, M. S

Title of the Dissertation :A comparative study on mineral profiles, nutritional and nutraceutical aspects of raw and processed green vegetables (*Luffa acutangula* (L.)Roxb. and *Langenaria siceraria* from selected rural and semi-urban regions of Coimbatore district, Tamil Nadu

Year Of Awarded : 2017

Sl. No. : 31

Name of the candidate :Roopika.S

Title of the Dissertation :Comparative studies on elemental profiles, nutritional and nutraceutical properties of differentially irrigated of raw and processed *Eleusine coracana* (Finger millet) *Zea mays* (Maize) from selected semi-urban and rural areas of Coimbatore, Tamil Nadu.

Year Of Awarded : 2017

Sl. No. : 32

Name of the candidate :Vidhya, R

Title of the Dissertation :A comparative study of domestic sewage water irrigation on chemical composition, nutraceutical aspects and mineral composition of raw and boiled pulses of *Lablab purpureus* and *Vigna radiata* collected from selected semi-urban and rural areas of Coimbatore region, Tamil Nadu

Year Of Awarded : 2017

Sl. No. : 33

Name of the candidate :Amrutha, T. V

Title of the Dissertation :Effect of different water irrigation on mineral profiles, nutritional and nutraceutical perspectives of *Cajanus cajan* (L.) Millsp samples collected from selected rural and urban areas of Palakkad district, Kerala

Year Of Awarded : 2018

Sl. No. : 34

Name of the candidate :Pooja, K. S

Title of the Dissertation :Studies on mineral profiles, nutritional and nutraceutical perspectives of domestic waste water and well water irrigated *Manihot esculenta* Cranz. samples collected from selected urban and rural areas of Palakkad district, Kerala.

Year Of Awarded : 2018

Sl. No. : 35

Name of the candidate :Surya, A. R

Title of the Dissertation :A comparative study on mineral profiles, nutritional and nutraceutical properties of differentially irrigated *Momordica charantia* L. samples collected from selected rural and urban areas of Palakkad district, Kerala.

Year Of Awarded : 2018

Sl. No. : 36

Name of the candidate :Bharathi, P

Title of the Dissertation :A Comparative studies of sewage water irrigation on chemical composition, nutraceutical aspect and mineral composition of raw and boiled samples of *Momordica cymbalaria* and *Echinochola frumentacea*

Year Of Awarded : 2018

Sl. No. :37

Name of the candidate :Soniya, D

Title of the Dissertation :Comparative studies of sewage water irrigation on chemical composition, nutraceutical aspect and mineral composition of raw and boiled samples of *Abelmoschus esculentus* (L) Monech and *Solanum melongena*.

Year Of Awarded : 2018

Sl. No. : 38

Name of the candidate :Arya P. Kumar

Title of the Dissertation :Study of ecological indicator in perspective of *Indotristicha ramosissima* (Wight) Van Royan in Meenachil River, Kerala

Year Of Awarded : 2019

Sl. No. : 39

Name of the candidate :Nijesh, S

Title of the Dissertation :Diversity of ant fauna in KFRI sub centre campus, Velupadam, Kerala Forest Research Institute, Kerala

Year Of Awarded : 2019

Sl. No. : 40

Name of the candidate :Rajyashree, R

Title of the Dissertation :A comparative study on the physic-chemical characteristics of sewage water and sludge collected from four different urban areas of Coimbatore, Tamil Nadu.

Year Of Awarded : 2019

Sl. No. : 41

Name of the candidate :Gokul R Nath

Title of the Dissertation :Comparative study of physicho-chemical characters and early seedling growth performance of different organic composts.

Year Of Awarded : 2020

Sl. No. : 42

Name of the candidate : Kanishka, P

Title of the Dissertation : Comparative Analysis of Physico-morphological Characters, Proximate Composition and Antioxidant Properties of An Indigenous Variety and Improved Varieties of Snake Gourd (*Trichosanthes cucumerina* Linn.): A Sustainable Environmental Food Resources

Year Of Awarded : 2020

Sl. No. : 43

Name of the candidate : Saraswathi, A

Title of the Dissertation : Comparative Study of Physico-Chemical Characters and Early Seedling Growth Performance of Different Organic Composts.

Year Of Awarded : 2020

Sl. No. : 44

Name of the candidate : Prakash, G

Title of the Dissertation : Microplastic Extraction and Physicochemical Characterization of Farmyard Manure Collected From Different Parts of Semi-Urban area in Coimbatore.

Year Of Awarded : 2021

Sl. No. : 45

Name of the candidate : Sharmila, K

Title of the Dissertation : Comparative studies on Physico Chemical Properties, Extraction and Characterization of Microplastics in Biocompost Collected from Different Parts of Semi Urban area in Coimbatore.

Year Of Awarded : 2021

Sl. No. : 46

Name of the candidate : Renugapriya, P

Title of the Dissertation : Studies on isolation, characterization and heavy metal composition in microplastics of natural freshwater storage sediment collected from aquatic ecosystems of semi-urban area.

Year Of Awarded : 2022

Sl. No. : 47

Name of the candidate : Santhanakumari, P

Title of the Dissertation : Preliminary studies on separation, qualitative, quantitative characterization and heavy metal contents in microplastics of soil sample collected from natural terrestrial ecosystems of peri-urban area.

Year Of Awarded : 2022

## **Research Publication**

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

## Reverse Chronological Order

2020-2018

96. Siddhuraju, P., Dhanya, V., Haritha, T Nair.and Roopika, S. 2023. Red Amaranth (*Amaranthus tricolor* L.) Irrigated with Domestic Sewage Wastewater as a Source of Irrigation: Environmental Food Security and Safety Assessment Perspectives through Acute and Sub-Acute Toxicity Study. *Ecology, Environment and Conservation*, 29(1).

95. Roopika, S., and Siddhuraju, P. 2022. Effect of Microplastics and Nano plastics in Terrestrial Animals, Birds, Humans and their Implications on Integrated Functional Ecosystem. *Indian Journal of Ecology*, 49 (6).

94. Haritha, T Nair. and Siddhuraju, P. 2022. Trophic Transfer and Accumulation of Microplastics in Freshwater Ecosystem – Risk to Food Security and Human Health. *International Journal of Ecology*, Vol. 2022, ArticleID 1234078.

93. Haritha, T Nair. and Siddhuraju, P. 2021. Is the COVID-19 Pandemic Increasing the Microplastic Load in Our Environment? *Pollution Research*, 40(3): 817-822.

92.Studies on the proximate mineral composition and role of winged bean in the agro ecosystem

Name of the Authors :Saipriya, V., and Siddhuraju, P.

Journal Name:International Journal of Pharma and Bio Sciences

91.Antioxidant activity,type II diabetes related enzymes, cholinesterase and tyrosinase inhibition properties of methanolic extracts of peel, pulp and peelfiber from underutilized fruits of Citrus hystrixand C. maxima

Name of the Authors :Abirami, A., Srinivasan, G., Nagarani,G., Saipriya,V. and Siddhuraju, P

Journal Name:International Journal of Food Science and Nutrition

90.Biochemical profile of Domestic Sewage waste water and well water irrigated Vigna mungo (L.) Hepper, collected from semi urban and rural areas of Coimbatore, Tamil Nadu

Name of the Authors :Dhanya, V., and Siddhuraju, P.

Journal Name:International Journal of Pharma and Bio Sciences

2017-2015

89.Studies on Nutritional Profile and Antioxidant Potential of Different Dioscorea spp. with Plectranthus rotundifolius

Name of the Authors :Jenit, K. Joy., Siddhuraju, P.

Journal Name:International Journal of Current Pharmaceutical Research

88.Biochemical composition and antioxidant potential of raw and hydrothermal treated of two underutilized leafy vegetables

Amaranthusdubius and Allmanianodiflora.

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Alumini Reflections: