

CURRICULUM VITAE

Dr. V.SWABNA

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Permanent Address:

Dr. V.Swabna,
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Tamil Nadu.

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Objective

To work in a challenging and creative environment, get explore my talents and effectively contribute towards the goals of the organization.

Academic Profile

Doctorate of Philosophy

2010-2015 **Ph.D- Environmental Biotechnology**
Bharathidasan University,
Tiruchirapalli, Tamilnadu.
Highly Commended

Post Graduate

2007-2009 **Master of Science– M.Sc.Biotechnology**
Bishop Heber College,
Tiruchirapalli, Tamilnadu.
Percentage Secured **79%**

Diploma

2007-2008 **P.G.Diploma in Bioinformatics**
Bishop Heber College,
Tiruchirapalli, Tamilnadu.
Percentage Secured **79%**

Under Graduate

2004-2007 **Bachelor of Science– B.Sc.Microbiology**
Shrimati Indira Gandhi College.
Tiruchirapalli, TamilNadu.
Percentage Secured **69%**

Technical profile

- * MS Office, HTML.
- * Basic in C Programming

Techniques Known

- * Chromatographic Techniques
- * Electrophoretic Techniques
- * Staining, Isolation and Characterization Of Microbes
- * Biochemical Techniques
- * Immunological Techniques
- * Water and waste water analysis
- * Solid waste management techniques
- * Techniques Involved in Genetic Engineering and Molecular Biology
- * Karyotyping

Trainings and Seminars

- ⊕ Participated and presented poster in “National Seminar on Bioinformatics” organized by Bharathiyar University, Coimbatore.
- ⊕ Participated and presented paper in “KUNSED 2009” organized by Kerala University, Trivandrum.
- ⊕ Successfully completed International Symposium on “Trace Organic Pollutants in the Environment (ISOTOPE’10)” organized by Department of Environmental Biotechnology Bharathidasan University, Tiruchirappalli on 23rd January, 2010
- ⊕ National Conference on “Recent Advances and Challenges in Clinical Microbiology and Biomedical Engineering”. Organized by Department of Gene technology and Microbiology, J.J. College of Arts and Science, Puthukottai, Tamil Nadu on 23rd & 24th September, 2010.

- ⊕ One day Regional workshop on Recent Trends in University Industry Relations held on 16th February 2012, organized by Department of Environmental Management, Bharathidasan University, Trichy, Tamil Nadu.
- ⊕ Successfully completed Science Academies Lecture Workshop on “Challenges in Environmental Restoration (SAWCER, 2012)”. organized by Department of Environmental Biotechnology, Bharathidasan University, Trichy, Tamil Nadu on 5th – 6th March 2012
- ⊕ Successfully completed National Workshop on “Research Publication: Applied Multivariate Statistical Analysis using SPSS and AMOS”. Organized by Indian Society for Education and Environment (iSee), Chennai on June 3rd -5th, 2011.
- ⊕ 35th Annual conference of Ethological Society & Symposium on “Chemical Signals in Animal Welfare” organized by Department of Environmental Biotechnology , Bharathidasan University, Tiruchirappalli on 15th & 16th December, 2011.
- ⊕ Successfully completed National workshop on “Emerging Trends in Molecular and Recombinant DNA Technology” organized by Sri Venkateswara College of Engineering Pennalur, Irungattukottai, Chennai on 20 -21, September, 2013.
- ⊕ Participated in International Seminar on Career options and Job Scenario on Life sciences, organized by Department of Biotechnology and Biochemistry, St. Josephs College, on 23rd August, 2017.
- ⊕ Participated in New Vistas in Biodiversity and Bioresources, organized by Department of Botany, St. Josephs College, on 2-4 August, 2017.
- ⊕ Participated in Lecture series on “Translational Biotechnology for a better tomorrow”, organized by Department of Biotechnology, St. Josephs College, on 2nd March, 2018.

Awards and Honors

Awarded **UGC NRCBS Fellowship** for the period of 3 months (Jan-Apr 2012) at Department of Biological Sciences, Madurai Kamaraj University.

Project Description

- * **PG.Diploma in Bio Informatics** - Comparative Sequence Analysis Of Tlr-2 Gene
- * **M.Sc Biotechnology**- Chromosomal analysis of Leukemia and Prostate Cancer patients using G-banding technique.
- * **Ph.D Environmental Biotechnology**- Characterization, toxicity evaluation, metabolization and deportation of distillery based pigment- Melanoidins.

Papers published

- **Swabna Vivekanandam**, Santhiya Mahalingam, Vasanthy Muthunayanan, Karthika Arumugam and Seethadevi Ganesan, 2014, Inquisition of the potential of *Hydrilla verticillata* to remediate nitrate encompassing aqueous solutions, Journal of Chemical Biological and Physical Sciences Vol. 4, No. 3; 2265-2274.
- **Swabna Vivekanandam**, Vasanthy Muthunayanan, Karthika Arumugam, and Santhiya Mahalingam 2014. Deportation of distillery melanoidins using plant based adsorbents, biosorbents and microbial inoculants - a comparative assessment, Indian Journal of Advances in Chemical Sciences, 2(3) (2014) 194-203.
- Karthika Arumugam, Vasanthy Muthunayanan, Seethadevi Ganesan, **Swabna Vivekanandam** “Efficacy of Vermicomposting for Recycling *Tectona grandis* and Casuarina Leaf Litter for Organic Fertilizer Production”, Indian Journal of Advances in Chemical Science, 3(2) (2015) 122-127
- Karthika Arumugam, Vasanthy Muthunayanan, Seetha Devi Ganesan, **Swabna Vivekanandam** and Susila Sugumar. 2014. Post-Consumer Waste Management by Virtue of Vermicomposting Enriched with Leaf Litter Journal of Chemical, Biological and Physical Sciences, Vol. 4, No. 2; 1765-1772.
- Karthika Arumugam, Anbuarasi Venkatachalam, Vasanthy Muthunayanan, Seetha Devi Ganesan, **Swabna Vivekanandam** and Susila Sugumar 2014. Role of Micro organisms in Temple wastes Management Assisted by *Eudrillus Eugenia*. Malaysian Journal of Science 33(1) 50-62.

- Karthika Arumugam , Seethadevi Ganasen, Vasanthi Muthunarayanan, **Swabna Vivekanandam**, Susila Sugumar, Vivekanadhan “potentiality of *Eisenia fetida* to degrade disposable paper cup waste- An eco friendly Solution to Solid Waste Pollution” 2014 Environmental Science and Pollution Research. IF-2.7
- Karthika Arumugam ,Vasanthi Muthunarayanan*, Seethadevi Ganasen , Susila Sugumar and **Swabna Vivekanandam**, 2013 “Dynamics of Biological, Physical and Chemical parameters during vermicomposting of market waste mixed with cow dung” International Journal of Plant, Animal and Environmental Science.vol 3:4,187-192. ISSN. 2231-4490
- Siva.D, Santhiya.M, **Swabna Vivekanandam** and Vasanthi Muthunarayanan.2012. Managing the Quality of Drinking Water Using Plant Based Natural Coagulants. Journal of Chemical, Biological and Physical Sciences. 2 (4):2101-2107. ISSN 2249 – 1929.
- Mayilsamy.M, M.Santhiya, **Swabna Vivekanandam** and Vasanthi Muthunarayanan. 2011.Utilization of *Citrus medica* for the reduction of nitrate-nitrogen from aqueous solution. Malaysian Journal of Science. 30(3):216 - 224. ISSN-1394-3065.
- Vasanthi Muthunarayanan, Santhiya. M, **Swabna Vivekanandam** and Geetha, A. 2011. Phyto degradation of textile dyes by Water Hyacinth (*Eichhornia Crassipes*) from aqueous dye solutions. International Journal Of Environmental Sciences.1 (7): pp 1702- 1717. Code : EIJES2117. <http://ipublishing.co.in/jcesvol1no7.html>.

Manuscript accepted

- **Swabna Vivekanandam**, Lydia Rhyman, Ibrahim A. Alswaidan, Hoong Kun Fun, Ponnadurai Ramasami and Vasanthi Muthunarayanan. Ingenious bioorganic adsorbents for the removal of distillery based pigment- melanoidin: preparation and adsorption mechanism. Journal of Macromolecular Science, Part A: Pure and Applied Chemistry.

Manuscript under review

- **Swabna Vivekanandam** and Vasanthi Muthunarayanan. Synthesis and Characterization of roasted glucose - glycine model melanoidins via interpretive

approaches. Archives of Environmental Contamination and Toxicology. ISSN: 00904341.

Co-Author in Book chapter Publication

Vasanthy, M., Thamarai, C., **Swabna, V.** and A. Karthiga, Reuse and Recycling of Treated Distillery Spent Wash: A Novel Approach, 2014. Recent Trends in Life Sciences, Chapter 12, 199- 218.

Work Experience

Present Employer : St. Joseph's College (Autonomous)

Period : June 2017 till date

Designation : Assistant Professor – Department of Biotechnology

Potentialities and Capabilities

Organizing Secretary - Dr. V. Balakrishnan Memorial CME programme on theme "Contemporary Orthopedics" held on 21-02-2018 at St. Joseph's College (Autonomous).

Association President - 2017-2018, Department of Biotechnology, St. Joseph's College (Autonomous)

Personal Profile

Full Name : **Swabna Vivekanandam**

Date of Birth : 25th April 1987

Sex : Female

Nationality : Indian

Marital Status : Married

Father's Name : V.Vivekanandam

Linguistic Abilities : English & Tamil (speak & write).

References

1. Dr. M. Vasanthy

Assistant Professor,

Department of Environmental Biotechnology,

School of Environmental Sciences, Bharathidasan University,

Tiruchirappalli- 620024

Mobile: 9443022816, Email: drvasanthi02@gmail.com

2. Dr. R.Babu Rajendran

Professor and Head,

Department of Environmental Biotechnology,

School of Environmental Sciences, Bharathidasan University,

Tiruchirappalli- 620024

Phone : 00-91-431-2407088, Email: ramaswamybr@gmail.com

3. Dr.S.R. Senthil Kumar,

Dean, School of Biological Sciences,

St. Joseph's College (Autonomous),

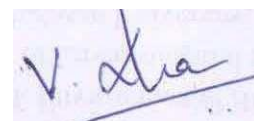
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Declaration

I hereby declare that all the information furnished are true and correct to the best of my knowledge and belief.

Place: Trichy



Name & Signature

(Dr. V.Swabna)