



CURRICULUM VITAE

Dr. V. SAKTHIVEL, M. Sc., Ph. D.,



Assistant Professor of Biotechnology
Centre for Distance and Online Education
Bharathidasan University
Tamil Nadu, INDIA
E.mail: sakthivel.v@bdu.ac.in
sakthiii@yahoo.com
Mobile: 9080903170
Whatsapp: 8608341113

Personal Details:

Father's Name	:	C. Vellaikkannu
Date of Birth	:	2nd February, 1973
Sex & Marital Status	:	Male - Married
Religion & Language Known	:	Hindu & Tamil, English
Residential address :		No.6/9, Anandha Nataraja Sabhai, G. N. Main Salai, New Selva Nagar, Trichy - 620 001

Academic Qualifications:

Ph. D. in Biotechnology (Department of Biotechnology), Bharathidasan University, Trichy-24
Title "Effective utilization of tannery sludge / polluted soil through phytoremediation"
M. Sc. in Botany, National College, Trichy-1
B. Sc. in Botany, National College, Trichy-1

Teaching Experience:

1. Working as Assistant Professor of Biotechnology, Centre for Distance and Online Education, Bharathidasan University, Trichy – 620 024. 23-12-2022 to till date
2. Worked as Assistant Professor & Head, Department of Biotechnology, P. G. Extension Centre, Bharathidasan University, Perambalur – 621107. 01-08- 2012 – 03-01- 2019
3. Worked as Assistant Professor & Head, Department of Biotechnology, Bharathidasan University College, Perambalur – 621107. 13-11-2006 – 31-07-2012
4. Worked as Guest Lecturer at Department of Biotechnology Bharathidasan Institute Technology, Bharathidasan University, Trichy – 620 024. January, 2001 – May, 2004

Administrative Experience:

1. Worked as **Chief invigilator** to conduct combined civil service exam IV at GASC, Thiruthuraipoondi for TNPSC 24-07-2022
2. Served as a **Senate member** of the Bharathidasan University, Trichy - 620024. 04-01-2019 to 23-12-2022
3. Served as **Principal i/c**, Government Arts and Science College (erstwhile Bharathidasan University Model College), Thiruthuraipoondi - 614715. 04-01-2019 to 23-12-2022
4. Worked as a **Camp Officer**, Government Arts and Science College (erstwhile Bharathidasan University Model College), Thiruthuraipoondi - 614715. 2020 – 2021
5. Worked as **Chief Superintendent** to conduct UG and PG university examinations at (erstwhile Bharathidasan University Model College), Thiruthuraipoondi - 614715. 04-01-2019 to 23-12-2022
6. Worked as a **Chief Superintendent** for university examination, P. G. Extension Centre, Bharathidasan University, Perambalur – 621107 2012 – 2013
7. Worked as **Research Assistant** at National Institute of Nutrition, Indian Council of Medical Research, Jamai-Osmania, P.O, Hyderabad - 500 001. Aug 1997 - Nov 1997
8. Worked as **Field Coordinator** at Community Seva Centre, No.2, III Cross, Kasthuribai Gandhi street, Nethaji Nagar, Uppalam, Pondicherry – 605 001. April, 1996 – May, 1997

Co-curricular activities :

1. Served as a **Program Officer**, Red Ribbon Club, P. G. Extension Centre, Bharathidasan University, Perambalur – 621107 2017 – 2019
2. Served as an **Alumni Coordinator**, P. G. Extension Centre, Bharathidasan University, Perambalur – 621107 2016 – 2019

Fellowships Awarded:

1. Awarded **Junior Research Fellowship** in Tamilnadu Pollution Control Board funded project “Reclamation of tannery effluent polluted agricultural lands” at Department of Biotechnology, Bharathidasan University, Tiruchirappalli – 620 024. 1998-2001
2. Awarded **Technical Assistant** in DBT funded project “Utilization of distillery waste (sludge and biocompost) for increased crop productivity for rural women development” at Department of Biotechnology, Bharathidasan University, Tiruchirappalli – 620 024. 2005-2006
3. Awarded **Young scientist travel fellowship** to attend the short course on Assessing Mycorrhizal Association in Plantation Crops at Central plantation crop research institute, Kasaragod – 671 124, Kerala,

Research Experience:

Having 25 years of research experience in the field of Environmental Biotechnology and 5 years in pharmacology

Environmental Biotechnology

Pharmacology

Research Supervision / Guidance:

Program of Study		Completed	Ongoing
Research	Ph.D.		1
Project	PG		9

Publications in UGC-Care/Refereed Journals:

International		National		Others
Journals	Conferences	Journals	Conferences	Books
11 (Scopus) and 7 (Refereed)				

Events organized in leading roles:

Number of Seminars / Conferences / Workshops / Events organized:

1. Organised One day International Lecturer workshop on “**Bioenergy- The future energy**” at department of Biotechnology, P.G. Extension Centre, P.G. Extension Centre, Bharathidasan University, Perambalur – 621107
January 2017
2. **Member in the organizing committee** of the National Seminar on Current developments in human genome project, sponsored by CSIR, DBT and Bharathidasan University. Trichy. 9-11/03/2001
3. **Demonstrated experiments in INDO-UK workshop** organized by the Department of biotechnology, Bharathidasan University, Tiruchirappalli –620 024, Sponsored by AICTE, DBT and Bharathidasan University. Trichy
4-13/02/2002

Events Participated:

1. Participated in a 5-day “**Hands on laboratory training for working professionals in the field of faecal sludge management**” at Anil Agarwal Environment Training Institute (AAETI), Nimli, Rajasthan, 18 to 22-09-2023
2. Participated in UGC-sponsored Principals workshop on “**Institutional accreditation and ranking: National and global perspectives**” at UGC-Human Resource Development Centre, Bharathidasan University, Trichy – 620 024. 23-02-2019
3. Participated in UGC-sponsored “**Refresher course in Life Sciences**” at UGC-HRDC, Bharathidasan University, Trichy-620 023 and scored **A grade**. 03 to 23-03-2016
4. Participated in UGC-sponsored “**Refresher course in Life Sciences**” at UGC-Academic Staff College, University of Allahabad, Allahabad and scored **A grade**. 21-03-2014 – 10-04-2014
5. Participated in UGC-sponsored “**Orientation programme**” at UGC academic staff college, Bharathidasan University, Trichy-620 023 and scored **A grade**. 08-05-2012 – 04-06-2012
6. Participated in UGC-sponsored “**Short term course on disaster management**” at UGC academic staff college, Bharathidasan University, Trichy-620 023. 26 to 28-03-2012
7. Participated in “**International workshop on bioremediation**” at Department of Biotechnology, BITS-PILANI, Goa Campus in association with Rutgers University, USA. 4–16/01/2010
8. Participated in “**School on mineral biotechnology**” at Department of Materials Engineering, Indian Institute of Sciences, Bangalore. 4-18/12/2010
9. Faculty Development Programme on “**Nanomaterials synthesis & characterization**” at SASTRA University, Thanjavur-613 402, India. 31-01-2009
10. Participated in Short course on “**Assessing mycorrhizal association in plantation crops**” at Central plantation crop research institute, Kasaragod – 671124, Kerala. 01-10-12-2004

Resource persons in various capacities:

1. Served a resource person to deliver a lecture on “**Marine Biodiversity**” in two-day workshop for fishing women and youths organized by Human Resource Federation at Tanjore. 7 to 8-02-2019
2. As a Resource person delivered a lecture on “**Save Environment**” at Bharathidasan University Model College, Vedaranyam-614810. 11-02-2019
3. As a Resource person delivered a lecture on “**Skills for suture life**” at Bharathidasan University Model College, Vedaranyam-614810. 05-12-2019
4. As a Resource person delivered a lecture on “**Vital role of environment-Marine biodiversity**” at Bharathidasan University Model College, Vedaranyam-614810. 24-01-2020

Articles published in National / International journals:

1. Murugan,P., **Sakthivel,V.**, Effect of tetrahydrocurcumin compared pterostilbene on plasma antioxidants in streptozotocin- nicotinamide induced experimental diabetes. Journal of pharmaceutical negative results, Vol. 13 (09) - 2022, 11215-11221.
2. Murugan P, **Sakthivel V**, Jawahar S. Influence of cassia auriculata on hepatic and renal functional markers and protein levels in experimental type 2 diabetic rats. Journal of pharmaceutical negative results, Vol. 13 (09) - 2022, 11222-11227.
3. Murugan P, **Sakthivel V** Effect of *Cassia auriculata* on lipid profiles In streptozotocin–nicotinamide induced Type 2 Diabetes Mellitus. Journal of population therapeutics and clinical pharmacology, Vol. (28), 01-2021, 73-79.
4. Murugan P, **Sakthivel V**, Effect of pterostilbene compared to tetrahydrocurcumin on liver and kidney functional markers and protein levels in experimental diabetes. Journal of pharmaceutical negative results, Vol. 12 (01) – 2021, 103-109.
5. Murugan P, **Sakthivel V**, Effect of pterostilbene compared to tetrahydrocurcumin on erythrocyte membrane bound enzymes and antioxidant status in diabetes. Journal of population therapeutics and clinical pharmacology, Vol. (28), 01-2021, 80-90
6. Murugan P. **Sakthivel V** Influence of *Ccassia auriculata* leaves on plasma antioxidants in streptozotocin - nicotinamide induced experimental diabetes. Journal of population therapeutics and clinical pharmacology, Vol. (27), 03-2020, 89-97.
7. Murugan P, **Sakthivel V**, Jawahar S. Effect of *Cassia auriculata* flowers, leaves and seeds dose dependent study in streptozotocin - induced diabetic rats. Journal of population therapeutics and clinical pharmacology, Vol. (27), 04-2020, 74-82.
8. **V. Sakthivel**, D. Rajeswari, V. Mohan and V.C. Saralabai, Effective utilization of corn cob for vermicompost making using *Eudrilus eugeniae*, International Journal of Advanced Scientific Research, Vol. 3(5), 2018; 34-36
9. **V. Sakthivel**, N. Rajeswari, V. Mohan and V.C. Saralabai, Vermicomposting of saw dust mixed with cow dung using *Eudrillus eugeniae*, International journal of Biology Research, Vol. 3(3), 2018; 30-32.
10. **V. Sakthivel**, S. Jeyashri, V. Mohan and V.C. Saralabai, Vermicomposting of sugarcane bagasse using *Eudrillus eugeniae*, European Journal of Biotechnology and Biosciences, Vol. 6(4), 2018; 41-42.
11. **V. Sakthivel**, P. Vignesh, V.C. Saralabai and S. Dhanalakshmi, Phytochemical screening and antioxidant scavenging activity of *Punica garanatum* L. fruit peel, International journal of Pharmaceutical science and research, Vol. 2(6), 2017; 24-27

12. **V. Sakthivel**, C. Malathi, S. Jeyashri and V.C. Saralabai, Physico-chemical analysis of vermicompost produced from tea leaves waste mixed with cow dung using *Eudrillus eugeniae*, European Journal of Biotechnology and Biosciences, Vol. 2(6), 2017; 35-36.
13. V.C. Saralabai, **V. Sakthivel** and S. Magadevan, Adaptive response of *Oriza sativa* (L.) to salinity stress. International Journal of Botany Studies, Vol. 2(4), 2017; 01-03.
14. V.C. Saralabai, **V. Sakthivel** and S. Magadevan, Stomatal studies in some afforestation tree species. International Journal of Botany Studies, Vol. 2(3), 2017; 73-75.
15. **V. Sakthivel**, V.C. Saralabai and S. Magadevan, Genotoxicity of pesticides to onion root tip meristamatic cells. International Journal of Botany Studies, Vol. 2(4), 2017; 20-23.
16. **V. Sakthivel** and M. Vivekanandan, Reclamation of tannery polluted soil through phytoremediation. An International Journal of Physiology and Molecular Biology of Plants, 15 (2)-April, 2009.
17. **V. Sakthivel** and M. Vivekanandan, Impact of tannery sludge on the morphometric parameters of the tree saplings used for phytoremediation. An International Journal of Eco. Env. & Cons. 17 (1):2011; 95-101.

Seminar / Symposium / Conference Attended:

1. Participated in “**Lecture workshop on Bioprospecting and Bioresources**” organized by Department of Botany, St. Joseph’s College, Trichy - 620 002. 10-12/09/2012
2. Participated in “**One day state level workshop on Histopathological techniques (HITECH 12)**” organized by Department of Biochemistry, St. Joseph’s College, Trichy - 620 002. 28/09/2012
3. Participated in “**One day state level workshop on advanced electrophoretic techniques**” organized by Department of Biochemistry, St. Joseph’s College, Trichy - 620 002. 24/02/2012
4. Participated in “**One day seminar on development of women entrepreneurship**” organized by the Department of Microbiology, Bharathidasan University College for Women, Orathanadu. 04/02/2012
5. Participated in “**A training programme on reduction of Co₂ and other air pollutants through phytoremediation techniques**” at Department of Environmental Biotechnology, Bharathidasan University, Trichy – 620 024. 29–30/12/2011
6. Presented a paper titled “**Aerobics – A boon to conserve agricultural lands**” in a symposium on Commercial aspects of biosciences at Department of Biotechnology, Dhanalakshmi Srinivasan College of Arts and Sciences, Perambalur. 27-28/02/2011

7. Presented a paper titled “**Phytochemical values of *Spilanthes carva DC***” in a symposium on Commercial aspects of biosciences at Department of Biotechnology, Dhanalakshmi Srinivasan College of Arts and Sciences, Perambalur. 27–28/02/2011
8. Participated in “**35th Annual conference of ethological society of India & symposium on chemical signals in animal welfare**” at Department of Environmental Biotechnology, Bharathidasan University, Trichy – 620 024. 15-16/02/2011
9. Poster presented on “**Impact of tannery sludge on the morphometric parameters of tree saplings**” in National conference on modern trends in plant *in vivo* Biology, Dept. of plant sciences, Bharathidasan University, Trichy - 640 024. 27–29/01/2009
10. Oral presentation on “**Phytoremediation as a tool for reclamation of tannery polluted soil**” in Agricultural biotechnology for the global public good, M.S.S.R.F. Chennai. 4–6/10/2007
11. “**Transgenic plants and their impact on biodiversity**” in National seminar on biodiversity conservation and management, Malankara Catholic college, Mariagiri. 22-23/07/ 2005
12. “**Utilization of tannery polluted land for generating fire wood species for the poor**” 7th International congress of plant molecular biology, Barcelona, Spain. 23–28/06/ 2003
13. “**Phytoremediation an inexpensive tool to reclamation of tannery-polluted soil**” in 2nd International congress of plant physiology on sustainable plant productivity under changing environment. Indian Agricultural Research Institute, New Delhi – 110 012. 8-12/01/ 2003
14. “**Planting of fire wood tree species in tannery polluted soil for the betterment of growth and biomass production**”, in 1st Conference of Biotechnology Society of India, Vallabhbhai Patel Chest Institute, University of Delhi, Delhi - 110 007
15. “**Screening and accessing of rhizosphere microflora to improve fast growing forest tree species**”, 1st Conference of Biotechnology Society of India, Vallabhbhai Patel Chest Institute, University of Delhi, Delhi - 110 007. 4–6/10/2001
16. Poster presented on “**Effect of glyphosate and atrazine on nitrogen status of *Westiellipsoides iyengarii*, *jeejibai***”, in National Symposium on recent trends in crop improvement for sustainable development, Dept. of plant sciences, Bharathidasan University, Trichy - 620 024. 27-29/01/ 2000
17. Poster presented on “**Effect of tannery effluent polluted soil on black gram (*Vigna mungo*. L) var. T9**” National Symposium on recent trends in crop improvement for sustainable development, Dept. of plant sciences, Bharathidasan University, Trichy – 620 024. 27-29/01/2000