



DR. P. SERVIN WESLEY

Designation: Assistant Professor,

Department Biotechnology

Qualification: Ph.D.

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Dr. P. Servin Wesley has earned his under-graduate degree in Biotechnology from Bharathidasan University, Tamil Nadu. He did his Post Graduation in Biotechnology from Bharathiar University and Doctorate in Biotechnology on the topic “Isolation, characterization and in silico docking of bioactive compounds from *Abutilon hirtum* (Lam.) Sweet (Malvaceae)” from Karpagam Academy of Higher Education, Tamil Nadu in the year 2014. As a Scholar in the field of Plant Biotechnology he works on isolation and characterisation of Anticancer compounds against Prostrate Cancer. He also published 14 research articles. During the period of his teaching, he was awarded with Best HoD (2016) in SIAS.

EDUCATIONAL QUALIFICATION

2010-2014	Ph.D., In Biotechnology Karpagam Academy of Higher Education (KAHE), Coimbatore, Tamil Nadu, India
2008-2010	M.Sc., In Biotechnology From Karpagam Arts and Science College, affiliated to Bharathiar University, Coimbatore, Tamil Nadu, India
2005-2008	B.Sc., In Biotechnology JJ College of Arts & Science, Pudukkottai, affiliated to Bharathidasan University, Trichy, Tamil Nadu, India

WORK EXPERIENCE

Assistant Professor	2013-2016	Teaching and Research	SAFI Institute of Advanced Study, Malappuram, Kerala
Assistant Professor & Head	2016-2018	Teaching and Research	SAFI Institute of Advanced Study, Malappuram, Kerala

AREA OF INTERESTS

- Phytochemistry
- Plant Tissue Culture
- Cancer Biology

PUBLICATIONS

- **Servin Wesley P**, Chitra Devi B, Sarmad Moin, Sahaya Shibu B. *In vitro* phytochemical screening, free radical scavenging activity and anticancer activity of *Abutilon hirtum* (Lam.) Sweet (Malvaceae), 2013. *International Journal of PharmTech Research* Vol.5, No.1, pp 155-161.
- **Servin Wesley P**, Chitra Devi B, Sahaya Shibu B, Sarmad Moin. 2013. Determination of trace elements and functional groups analysis of *Abutilon hirtum* (Lam.) Sweet with energy dispersive X-ray and FT-IR Spectroscopy *Research J. Pharm. and Tech.* 6(3): 264-266.
- **Servin Wesley P**, Chitra Devi B, Sahaya Shibu B, Sarmad Moin. 2013. *In vitro* propagation of *Coelogyne breviscapa* Lindl., *Dendrobium aqueum* Lindl., and *Flickingeria nodosa* (Dalz.) Seidenf. via asymbiotic seed germination. *Asia Pacific Journal of Molecular Biology and Biotechnology*. 21 (1): 26-32.

- Wesley, P. S., & Devi, B. S. (2019). Molecular docking studies of bioactive compounds from *Abutilon hirtum* (Lam). Sweet (Malvaceae). *Advances in Applied Research*, 11(2), 84-92. DOI : 10.5958/2349-2104.2019.00015.9
- B Sahaya Shibu, **P Servin Wesley**, Sarmad Moin and B Chitra Devi. 2014. *In vitro* regeneration of *Coelogyne nervosa* A.Rich. and *Eria pseudoclavicalis* Blatt., threatened orchids of Western Ghats, India. *Indian Journal of Experimental Biology* 52: 658-663.
- Sahaya Shibu B, **Servin Wesley P**, Sarmad Moin, Chitra Devi B, 2012. Preliminary phytochemical screening, antibacterial and antioxidant activity of *Eria pseudoclavicalis* Blatt. -An endemic orchid of Western Ghats. *American journal of Pharmtech Research* 2(6): 518-525.
- Sahaya Shibu B, **Servin Wesley P**, Sarmad Moin, Chitra Devi B, 2012. *Ex situ* conservation of endemic orchids of Western Ghats, Tamilnadu, India via asymbiotic seed germination. *Advances in Applied Science Research* 3(5): 3339-3343.
- Sarmad Moin, Chitra B. Devi, **Servin P. Wesley**, Sahaya B. Shibu, Zoya Zaidi. 2014. Comparative Phytochemical and Antibacterial Screening of Important Medicinal Plants of Celastraceae. *Journal of Biologically Active Products from Nature* 4 (1): 37-43.
- Chitra Devi B, Mahendran P, **Servin Wesley P**, Sahaya Shibu B, Vetrivel P, Mallagivathi D, 2012. Micropropagation of *Acmella calva* using encapsulated *in vitro* nodal explants. *Journal of Tropical Medicinal Plants* 13(1): 33-41.
- Chitra Devi B, Sahaya Shibu B, **Servin Wesley P**. 2012. *In vitro* regeneration of *Coelogyne stricta* direct somatic embryogenesis, 2012. *Journal of Tropical Medicinal Plants*.13 (2): 153-161.
- Sarmad Moin, Sahaya Shibu B, **Servin Wesley P**, Chitra Devi B, 2012. Bioactive potential of *Coelogyne stricta* (D.Don) Schltr: An ornamental and medicinally important orchid. *Journal of Pharmacy Research* 5(4): 2191-2196.

- Sarmad Moin, Sahaya Shibu, **Servin Wesley**, Chitra Devi B. 2012. Antimicrobial activity of *in vitro* raised *Acmella calva* (DC.) R.K.Jansen. *International Journal of Pharmacy and Pharmaceutical Sciences* 4 (5) 124-127.
- Sarmad Moin, Sahaya Shibu B, **Servin Wesley P**, Chitra Devi B. 2012. *In vitro* Screening of Antibacterial Protein Activity from Medicinal and Economically Important Plants Seed. *Drug Invention Today*. 4(10) 533-536.
- Sarmad Moin, Sahaya Shibu B, **Servin Wesley P**, Chitra Devi B. 2012. Comparative evaluation of the antimicrobial activity of protein from medicinal and economically important plants. *International Journal of Pharmaceutical Sciences Review and Research*. 17(1) 81-85.
- Sahaya Shibu B, Chitra Devi B, Sarmad Moin, **Servin Wesley P**, 2013. Evaluation of Bioactive potential of *Coelogyne nervosa* A.Rich. - An endemic medicinal orchid of Western Ghats *Asian Journal of Pharmaceutical and Clinical Research*. 6(1): 114-118.

PRESENTATIONS

- Presented a research paper entitled “**Antibacterial activity of *Abutilon hirtum* extract against various organisms**” in the two-day National conference on Exploring Microbes -2020, Organized by the Dept. of Microbiology, Karpagam University, Coimbatore on 30th & 31st August 2016.
- Presented research work entitled “**Phytochemical analysis, antibacterial activity and antioxidant potential of *Plectranthus rotundifolius* Spreng.**” in International Conference on Biosciences: State -of -the -art advancements at Lakesong Resort, Kumarakom, India on September 2014.
- Presented research work entitled “**Bioactive potential of *Coelogyne stricta* (D.Don) Schltr: An ornamental and medicinally important orchid**” in International Conference on conservation Strategies for Bioresources organized by Department of Botany, PSGR Krishnammal College for Women, Coimbatore, India on 5-6 February 2013.
- Presented a paper entitled “**Phytochemical screening, *in vitro* free radical scavenging activity and anticancer activity of *Abutilon hirtum* (Lam.) Sweet**” in National Conference of Biodiversity Conservation and Sustainable Utilization organized by Department of Botany, Pasumpon Thiru

Muthuramalinga Thevar College, Kamuthi, Tamil Nadu, India on 11th and 12th October 2012.

- Presented a paper entitled “**Role of micropropagation in ex situ conservation of orchids**” in “TNFA Centenary National Seminar Forestry Vision 2023”, at Tamil Nadu Forest Academy, Coimbatore, India on 5th & 6th July 2012.
- Presented a research work entitled “**Effect of plant growth regulators on in vitro micropropagation of *Dioscorea oppositifolia* L. (Dioscoreaceae)**” in National level Conference on “Recent trends in Exploration, Achievement and Developments in Biological Sciences (READ-2012)”, at Chikkaiah Naicker College, Erode, India on 9th & 10th March 2012.
- Presented a research work entitled “**In vitro asymbiotic seed germination studies in three endemic orchids of Western Ghats, Tamil Nadu, India**” in State Level Conference on Emerging Trends in Physical and Biological Sciences at Nandha Arts & Science College, Erode, India on 17th Feb 2012 and secured best oral presentation award.
- Presented a research work entitled “**In vitro regeneration of *Dendrobium aqueum* Lindl. – an endemic orchid**” in International Conference on “Blooming Species: A Prosperous Terrain for Posterity”, at Vellalar college for women, Erode, India on 15th & 16th Feb 2012.
- Presented a research work entitled “**In vitro propagation of *Acmella calva* (DC.) R.K. Jansen (Asteraceae) by synthetic seed**” in State Level Seminar on Frontiers in Biotechnology at Nandha Arts And Science College, Erode, India on 18th Feb 2011.
- Presented a research work entitled “**Stages of invitro seed germination and seedling development of *Coeogyne stricta***” in national level seminar on “Emerging Trends in Plant Biotechnology” organized by Government Arts College, Coimbatore, India on 4th & 5th Feb 2010.
- Presented a paper entitled “**Laser Doppler Flowmetry in pathophysiological studies of rodents**” in “International conference on Current trends in advanced biomedical technology”, at Nehru college, Coimbatore, India on 14th & 15th Oct 2009.
- Presented a poster entitled “**Global Warming**” in Annual day celebration and secured 1st place, organized by Karpagam Arts & Science College, Coimbatore, India, 2009.
- Presented a poster entitled “**Impacts of Bioterrorism**” in National Seminar on “Trends & Perspectives in Biotechnology” organized by Karpagam Arts & Science College, Coimbatore, India on 29 Jan2009.

WORKSHOPS/ TRAINING ATTENDED

- Participated in the two days workshop programme entitled "**Interpretation of spectral data and identification of Phytoconstituents**" Organized by the Department of Chemistry, Karpagam University, Coimbatore- 641 021, Tamil Nadu on 29th and 30th January 2015.
- Participated in one-week National seminar cum workshop on "**Fundamentals of Biochemistry (Phytochemistry and Bioinformatics) - NSWFB'13**" at Bharathiar University, Coimbatore, India from 7th – 13th February 2013.
- Undergone a hands-on training program on "**Phytochemical screening of plants with larvicidal activity**" organized by the department of biotechnology, Karpagam University, Coimbatore, India from May 31st to June 4th 2010.
- Participated in ten days hands on training on **Bioinstrumentation** (HPLC, HPTLC, PCR, and UV- Spec) at Karpagam Pharmacy College, Coimbatore, India from November 23rd to December 5th, 2009.
- Attended one-month Workshop on **Diploma in recombinant-DNA technology and genetic engineering with RAPD** at Best Biotek research labs, Bangalore, India from 11th may - 11th June 2009.

RESEARCH PROJECTS

"Phytochemical analysis, antioxidant and cytotoxic activity of *Pogostemon quadrifolius*

(Benth.) F. Muell." Sponsored by KSCSTE under the Scheme for Promoting Young Talents in Science (SPYTiS) in the year 2016-17.

OTHER DUTIES (INTERNAL/ EXTERNAL)

Sl. No	Name of the position held	Time period
1	Head, Department of Biotechnology	2016-18
2	Convener, Green Audit Cell	2016-17
3	Director, Fine Arts	2017-18
4	Convener, Discipline Committee	2018-19

5	Convener, Antiragging Cell	2019-till date
6	Joint Convenor, IEDC, SIAS	2020- till date
7	IQAC Co-ordinator	2021-till date