

STAFF PROFILE



1) Name: Dr. A. SARAVANAKUMAR

2) Designation: Assistant Professor

3) Department: Botany

4) Qualifications:

Academic: M.Sc., M.Phil, Ph.D

Additional: PMCPGE

5) Experience (in years): Teaching: 10 Research: 18

6) Area of Specialization: Plant Biotechnology

7) Contact:

E-mail: sarwanbio@gmail.com

Mobile Number: 98429 75656

8) Grants Received (Conference/Workshop/Seminar/any other):

Event Title	Agency	Fund Received	Date

9) Project Completed:

Project Title	Agency	Fund Received	Duration

10) Project ongoing :

Project Title	Agency	Fund Received	Duration

11) Research Guidance:

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.		
M. Phil.		

12) Research Publications:

	International	National
Total Number of Publications	02	07

List of International Publications: 02

A.Saravanakumar, A. Aslam and A. Shajahan (2012)Development and optimization of hairy root culture systems in *Withaniasomnifera*(L.) Dunal for withaferin-a production. African Journal of Biotechnology, 11(98):16412-16420

A.Saravanakumar, A. Aslam and A. Shajahan (2011). Histochemical localization of cytokinin

oxidase/dehydrogenase during the developmental stages of *Withania somnifera* (L.) Dunal. African Journal of Biotechnology, 10(44):8800-8804

List of National Publications: 07

T.M. Jothimani, A. Saravanakumar, R. Ravikumar (2014) Impact of organic farming on yield and quality of selected Solanaceous vegetables. Int. J. Applied Bioresearch, 22:1-9.

T.M. Jothimani, A. Saravanakumar, R. Ravikumar (2014) Studies on the impact of organic farming on physico-chemical and microbial properties of soil. Int.J.Biol.Technology,5(3):33-39.

Senthil Kumar M, VinothKumar D, Saravana Kumar A, Aslam A, Shajahan A (2011). The Phytochemical Constituents of *Withania somnifera* and *Withania obtusifolia* by GCMS Analysis. International Journal of Pharmacognosy and Phytochemical Research, 3(3): 31-34

A.Saravanakumar, A. Aslam and A. Shajahan (2010). GA 3 Mediated Sprouting Responses and Lenticel Proliferation in Potato (*Solanum tuberosum* L.) Tubers of Selected Variety. Advanced Biotech.

M. Senthil Kumar, A. Saravanakumar, A. Aslam, A. Ramachandran and A. Shajahan (2010). Comparative root anatomical studies on *Withania obtusifolia* and *withania somnifera* – important medicinal plants of solanaceae. Journal of Basic & Applied Biology, 4(2):38-41

M. Senthil Kumar, A. Saravanakumar, A. Ramachandran and A. Shajahan (2010). Evaluation of *Withania obtusifolia* Tackh. (Solanaceae) leaf and root extracts as an antimicrobial agent. Journal of Basic & Applied Biology, 4 (1):1-4

K. Rajalakshmi, P. Kumar, A. Saravanakumar, A. Aslam, A. Shajahan and R. Ravikumar (2010). Arachis Bioassay for soil contaminated with hexavalent chromium. Recent Research in Science and Technology 2(6): 110-115

13) Chapters in Books:

14) Other Publications (Proceedings):

15) Books Published: 01

“Laboratory manual of Basic Techniques in Plant Molecular Biology”

A. Shajahan, A. Aslam and A. Saravanakumar, Jazym Publications, Trichy 23.

16) Presentation in Seminar / Conference:

International:

National:

17) Participation in Conference:

18) Participation in Seminar: 02

2019	27-Jul	reforms in curriculum design & evaluation based on OBE	The Standard Fireworks Rajaratnam college for women, sivakasi
2020	07-Feb	One day international seminar on Emerging trends in chemistry & energy Science	Saraswathi Narayanan College, Madurai

19) Participation in Workshop: 05

- 18th & 19th Sep 2010 Two days BRNS and IANCAS workshop on Radio chemistry and application of Radio isotopes sponsored by Board of Research in Nuclear Sciences, Jamal Mohamed College, Tiruchirappalli.
- 16th & 17th Dec 2009 Scientific Validation of Traditional Herbal Medicine Dept. of Botany, Bharathiar University, Coimbatore.
- 21st - 30th Nov 2009 In vitro techniques and application of molecular markers in banana and plantains, National Research Centre for Banana, Tiruchirappalli.
- 20th & 21st Sep 2004 Plant Genetic Resource Management National Research Centre for Sorghum (NRCS), Hyderabad.
- 14th Feb 2020 State level hands on workshop in molecular diagnosis of food borne pathogens, VHNS College, Virudhunagar

20) Participation in Orientation Programme/ Induction Programme/ Short term Courses: 02

2017	Feb-April	Bioenergy	IIT, Kanpur	8 Weeks
2018	Feb - March	Bioenergetics of Life Processes	IIT, Kanpur	4 Weeks

21) Participation in Faculty Development Programme: 06

May 18 - June 03- 2020	Managing online classes and co-creating MOOCS:2		Ramanujan College, University of Delhi
May 27 - 02 june -2020	ICT based tools and its applications in teaching learning process		BSVS Educational Learning Centre, Nagpur
june08 - june 14 -2020	Open source tools for research		Ramanujan College, University of Delhi
july 02 - july 17 -2020	advanced concepts for developing MOOCS		Ramanujan College, University of Delhi
2021	june 02 -june 16	Managing online classes and co-creating MOOCS (Level 2)	Ramanujan College, University of Delhi
2021 12 & 13 May	Inservice teacher training programme	Mother Teresa Women`s University, Kodaikanal	

22) Conference/ Seminar/ Workshop Organized:

23) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop: 03

- 18th Apr – 3rd May, 2011 Acted as resource person in technical sessions of DBT sponsored STTC on Basic techniques in Plant Molecular Biology (for college teachers), PG & Research Dept. of Botany, Jamal Mohamed College, Trichy.
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2020 25-Feb	State level seminar on	Vivekananda College	Resource Person
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Trends in plant
Bioprocessing

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2022	30-Mar	Workshop on Preparation and Maintenance of Stock Solution	Vivekananda College	Resource Person
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24) Other Co-curricular / Administrative Responsibilities:

- RRC – Programme Officer – June 2018 – June 2021
- Member in IQAC – June 2019 onwards

25) Member in Board of Studies:

26) Editorial/ Review Board Member:

27) Membership in Professional Bodies:

28) Awards received: 02

Best Paper Presentation Award – First Prize

“High frequency of In-vitro flowering in *Withaniasomnifera* L. (Dunal)”

State Level Students’ Seminar, Thiagarajar College, Madurai

Best Paper Presentation Award – Second Prize

“GA3 mediated sprouting response in Potato”

National Seminar on Advances in Biopharming Technologies

Nehru Memorial College, Tiruchirappalli

29) Consultancy:

30) Patents:

31) Any other information:

- Apr 2008 to Mar 2011
Project Student Fellowship – UGC Major Research Project

Purification & Cloning of Cytokinin oxidase / dehydrogenase gene for Metabolic Engineering in *Withania somnifera* L. (Dunal)

Dept. of Botany, Jamal Mohamed College, Tiruchirappalli

- Sep 2007 to Mar 2008

Junior Research Fellowship – DRDO Research Project

Partial purification of chitin deacetylase gene from marine microorganisms

Dept. of Plant Science, Bharathidasan University, Tiruchirappalli

- Jan 2006 to May 2007

Project Student Fellowship – UGC Major Research Project

Functional genomics to clone rice genes for sheath blight resistance

Centre for Plant Molecular Biology, Madurai Kamaraj University, Madurai