

**Name** : Dr.S.Saranya  
**Designation** : Assistant Professor  
**Department** : Biotechnology  
**Qualification** : M.Sc., M.Phil., Ph.D.  
**Experience** : Teaching: 4.3 Years Industry: Nil Research: 3 Years  
**Area of Specialization(s)** : Microbial biotechnology  
**Email (Official ID)** : ssaranya@drngpasc.ac.in



### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Biotechnology	Madurai Kamaraj University, Madurai	2019
M. Phil.	Biotechnology	Dr. N.G.P. Arts and Science College, Coimbatore	2010
M.Sc.	Biotechnology	St. Joseph's College, Trichy	2009
B.Sc.	Biotechnology	K.S.R College of Arts and Science College.	2007

### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Diploma	Clinical Microbiology	Periyar University	2007

### Grants Received

Event Title	Agency	Amount	Date
Antimicrobial and wound healing properties of natural herbs to construct adhesive herbal bandage	Dr.N.G.P Arts and Science College	5,000.00	05.10.2021

### Projects Completed

Project Title	Agency	Amount	Duration
-	-	-	-
On-going Project Title	Agency	Amount	Duration

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### Research Guidance

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

### Research Publications (Indexed)

#### International

S.Saranya, Satheerja santhi and RD. Jebakumar Solomon. Isolation, Screening, Statistical media optimization, Purification and Structural characterization of bioactive compound from marine derived *Streptomyces sp* JS-S6. *International Journal of Scientific and Research Publications* Vol. 7 Issue. pp. 270-282, 2017. (Indexed in UGC).

Somasundaram Saranya, Velayudhan Satheerja Santhi, Ashutosh Gupta, Solomon Robinson David Jebakumar. A novel marine bacterium *Isoptericola sp.* JS-C42 with the ability to saccharifying the plant biomasses for the aid in cellulosic ethanol production. *Biotechnology Reports*. Vol. 1. pp 8–14. 2014 (Indexed in Scopus).

Velayudhan Satheerja Santhi, Somasundaram Saranya, Ashok Kumar Bhagat, Ganesan Govindarajan, Solomon Robinson David Jebakumar. Seaweed (*Euclidean cottonii*) associated microorganisms, a versatile enzyme source for the lignocellulosic biomass processing. *International Biodeterioration & Biodegradation*. Vol. 96, pp- 144-151. 2014 (Indexed in Scopus).

#### National

Saranya.S, Sowmini.N, Vinoth Kanna and Nandhini Babu. Screening of bioactive compound from marine actinomycetes. *IJLPR*. Vol. 1, pp- 168-172. 2019 (Indexed in Scopus).

Rohini T, Saranya S, Satheerja Santhi V, Sam Ebenezer R, Shakila H. Optimization of AFEX Pretreated Agrowaste Media for Endoglucanase and Xylanase Production by *Stenotrophomonas maltophilia*. *International Journal Research in Applied Science & Engineering Technology*. Vol. 5. Pp. 2361-2374. 2017. (Indexed in UGC).

### Other Publications: International / National Journals

### Book Publications

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### Consultancy

Nature of Consultancy	Client	Amount	Completion Status
-	-	-	-

### Presentations in Conference

Presented a Poster on “Bioactive compound from marine derived *Streptomyces* sp” in 8<sup>th</sup> International conference on “Recent Advances in Biosciences” held at KSG College of Arts and Science, Coimbatore, Tamilnadu on 28, October,2022.

Presented a Poster on “Biofilm Inhibition by Bioactive compound from marine derived *Streptomyces* JS20” in INDO-SINGAPORE International conclave on Translational Research in Health care- “Harnessing Next Gen AI enabled biotech innovations for sustainable healthcare” held at Satyabhama university, Chennai on 12<sup>th</sup> & 13<sup>th</sup> September 2022.

Molecular analysis and metabolomic characterization of marine *Streptomyces* Sp JS-S6. 3<sup>rd</sup> National Conference on Challenges in Biochemical Engineering and Biotechnology for sustainable Environment (CBSE- 2014), Organized by Department of Chemical Engineering, Annamalai University, TamilNadu, April 2-3, 2014).

Statistical media optimization and metabolomic characterization of antibacterial compound from marine *Streptomyces* sp JS6. 55th Annual Conference of Association of Microbiologist of India organized at Tamil Nadu Agricultural University, Coimbatore, India, November12-14, 2014.

Molecular analysis and Metabolomic characterization of Mangrove derived *Streptomyces*. Sp.” BIOQUEST-13 organized by the Department of Biotechnology, Amrita University, Kerala, Aug 10- 14, 2013.

Quantum-Dots in cell imaging.National seminar-cum-workshop on Nanotechnology and Nanobiotechnology, Sathyabama University, Feb 14 -16,2008.

### Participation in Conference

## **International**

BIOQUEST-13, Department of Biotechnology, Amrita University, Kerala, Aug 10- 14, 2013.

## **National**

Participated in “Interdisciplinary approaches on Dynamics of Bioscience Research” organized by faculty of bioscience, Dr.N.G.P. Arts and Science College on 28, March, 2023.

Potentials of Translational Research in Reproductive Biology and Endocrinology for Health Care Management, Holy Cross College, Tiruchirappalli, Jan 23-25, 2008.

## **Participation in Seminars**

Immunotherapeutics & Diagnostics, Madurai Kamaraj University, 5<sup>th</sup> October, 2015.

Stem cell Research- The Present and Future, Women’s Christian College, Chennai-Sep 4<sup>th</sup> & 5<sup>th</sup>, 2008.

Structural Bioinformatics and its applications, Madurai Kamaraj University, September, 2011.

## **Participation in Workshop**

Technology Transfer in Nano Science & Technology research to product awareness workshop, Madurai kamaraj university, Madurai, June-2013.

Value Virtual labs on Biotechnology and Biomedical Engineering, Amrita School of Biotechnology, Aug 14, 2013.

Data analysis using SPSS, School of Mathematics, Madurai Kamaraj University, Madurai. Aug 30, 2013.

One-day National workshop on Patent information. Patent cell. Bharathidasan University, Tiruchirappalli. April 29, 2009.

## **Participation in Orientation Programme / Short Term Courses**

Practical approaches for Next generation sequencing technologies and data analysis towards health care, K.S.R. College of Technology, Dec 21-26, 2020.

Skillphones English Communication Programme, St. Joseph’s College, Trichy, Feb 13-March 28, 2008.

Pharmaceutical Biotechnology, Bio-Sciences Techno Park, May 12- June 12, 2008.

Proficiency course in English, Central Institute of English and Foreign Languages, June 27- July 12, 2005.

### **Participation in Faculty Development Programme**

Participated in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Drug Engineering through Bioprospecting" from August 12 -16 2021 at Dr.N.G.P.Arts and Science College, Coimbatore, India.

Participated in seven day FDP on "Research methodology and pedagogy for tertiary education" during June 15-21, 2021 organized by Internal quality assurance cell & center for faculty development, at Dr.N.G.P. Arts and Science College, Coimbatore, India.

Participated in AICTE sponsored one-week short term training programme on "Practical approaches for next generation sequencing technologies and data analysis towards health care" organized by Department of Biotechnology, K.S.R College of Technology on December 21-26,2020.

### **Conference / Seminar / Workshop Organized/**

Agogtech-19, Organizing member, Sri Krishna Arts and Science College, Feb-2019.

### **Invited Speaker / Session Chair- Conference / Seminar / Workshop**

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### **Member in BoS**

Board of Biotechnology, Dr. N.G.P Arts and Science College, since 2020.

### **Editorial / Review Board Member**

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### **Membership in Professional Bodies**

<b>Name of the Professional Body</b>	<b>Nature of membership</b>	<b>Duration</b>
-	-	-

### **Awards / Honors**

<b>Awards / Honors</b>	<b>Agency / Institute</b>	<b>Year of Award</b>
UGC-Project Fellow	UGC-MRP	2011

**Recognition National / International**

<b>Nature of Recognition</b>	<b>Organization / Institution</b>	<b>Year</b>
-	-	-