

## CURRICULUM VITAE

**Dr. R. Shalini Manjunathan Ph.D.,**

**Assistant Professor**

**Department of Biotechnology**

**Jamal Mohamed College**

**Tiruchirappalli-620020**

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**Objective:** A full-time position utilizing innovation and technical skills in biotechnology, bioinformatics, editing work and manuscript writer in the Life Science field.

### **QUALIFICATIONS**

<i>Qualification</i>	<i>Subject</i>	<i>College/University</i>	<i>Year of passing</i>	<i>Percentage (%) / Grade</i>
<b>Ph.D</b>	Biotechnology	Bharathidasan University	2020	89.0/S
<b>M.Sc</b>	Biotechnology	Bharathidasan University (Thanthai Hans Roever college)	2012	79.7/ D
<b>B.Sc</b>	Biotechnology	Bharathidasan University (Bharathidasan Constitute college)	2010	76.1/D

### **Research experience:**

**Ph.D Thesis:** “Biodegradation of low-density polyethylene (LDPE) materials using selected bacterial and fungal isolates from municipal wastes of Tiruchirappalli District.”

**M.Sc Thesis:** “Docking and genomic studies for *swine flu* based on phytochemical compounds of *Ocimum Sanctum*”

### **Technical Skills:**

(a) Molecular biology techniques: Cell culture, DNA/ Plasmid extraction, PCR, enzymatic assay, gene cloning, Fermentor operation (Wine, Vinegar, enzymes).

(b) Analytical technique: Spectrophotometer, Agarose gel electrophoresis, gel doc, cooling centrifuge, FTIR, SEM.

(c) Computational skills: DTP, Bioinformatics.

### **Teaching skills**

- Teaching Assistant (Botany, Biochemistry, Molecular biology, Bioinformatics and Microbiology) for 2 years during pursuing Ph.D

## **Working Experience**

- Junior Editorial Assistant : Lumina Datamatics (02-Dec-2020 to 15- Jul-2021)

## **Research Publication:**

1. **Shalini, R**, Kalivani, R, Ramanathan, K and Jayashree, G (2011): Docking and genomic studies for swine flu based on phytochemical compounds of *ocimum sanctum*, *International journal of current research*. 3(11): 082-088
2. **Shalini, R.**, Sasikumar, C., Subash, N. and Viji, J (2014): Enrichment of microorganisms by sugar cane molasses for polyethylene degradation, *International journal of research in engineering and technology*. 3(1): 135-140.
3. **Shalini, R** and Sasikumar, C (2015): Biodegradation of low density polythene materials using microbial consortium- An Overview, *International journal of pharmaceutical and chemical sciences*. 4(4):507-514.
4. **Shalini, R** and Sasikumar, C (2015): Effect of microbes on low density polyethylene materials degradation with reference to SEM analysis, *International journal of pharma and biosciences*. 6(4):447-452.
5. **Shalini, R** and Sasikumar, C (2015): Efficacy of microbial consortium on degradation of low density polythene material through FTIR spectroscopy, *International journal for innovative research in science and technology*. 2(5): 139-142
6. **Shalini, R** and Sasikumar, C (2015): Comparative study of using vegetable wastes and cattle dungs for degradation of low density polyethylene material and visualized through FTIR analysis, *Research journal of pharmaceutical, biological and chemical sciences*. 7(1):2026-2031.
7. **Shalini, R** and Sasikumar, C (2018): Ecofriendly bio-degradation of low density polyethylene materials by using a screened *Rhodococcus rubber* from Tiruchirappalli District, *Journal of emerging technologies and innovative research*. 5(7): 386-390.

National and International Conferences /  
Workshop Presented/ Participated

: 15

Language

: Tamil, English and Hindi

Honors and awards

: Seventh rank in BT (State level test -2012).

Communities and Volunteer Involvement

: Vice president and Student counselling leader

Natioal Social Service (NSS)

: A grade (During B.Sc)

## **Hobbies and interests:**

In my spare time, I enjoy a long drive with my family members. Additionally, I like blogging about various topics that are close to my heart, including health, fitness, and current affairs.

**Reference**

**Dr. C. SASIKUMAR, Ph.D. (Research Supervisor)**  
**Associate Professor & Head**  
**Department of Biotechnology**  
**Nehru Memorial College (Autonomous)**  
**Puthanampatti – 621 007, Tiruchirappalli.**

**Personal Information:**

Name : R. Shalini Manjunathan  
Husband name : Manjunathan. M  
Date of Birth : 26/04/1989  
Sex & states : Female & Married  
Nationality : Indian  
Permanent address : Subramniyapuram, Trichy

**Declaration:**

I hereby declare that all the particulars furnished in the above are true, complete and correct to the best of my knowledge and belief.

**Place : Trichy**  
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**Yours Faithfully**  
(R. Shalini)

