




### Faculty Profile

<b>Full name with Qualification, Designation and Department:</b>  <b>Dr. S. Senthilkumar, M.Sc., Ph.D.,</b> Assistant Professor (Sl.Gr), Science and Humanities						
<b>Date of birth</b>	:	22.07.1978		<b>Gender</b>	:	Male
<b>Nationality</b>	:	Indian		<b>Marital status</b>	:	Married
<b>Address for correspondence</b>	:	House No1, SRIT-Staff Quarters, Sri Ramakrishna Institute of Technology Coimbatore- 641010		<b>Permanent address</b>	:	91 B, Mettu street, Woriur, Trichy-62003
<b>Mobile no</b>	:	9789433723		<b>e-mail (official)</b>	:	senthilkumar.sh@srit.org
<b>Landline</b>	:	-		<b>e-mail (personal)</b>	:	senswaan@gmail.com
<b>Date of joining</b>	:	10-07-2013		<b>Post of joining</b>	:	Assistant Professor (Sr.Gr)
<b>No of promotions since D.O.J</b>	:	1		<b>Present post</b>	:	Assistant Professor (Sl.Gr)
<b>Present pay scale</b>	:	15,600-39,100		<b>Gross pay</b>	:	46,685
<b>Employee ID</b>	:	TE187		<b>Bank account No. (Salary credited)</b>	:	500101010539159
<b>P.F. No</b>	:	TNCBE 56764/615		<b>Group Insurance No</b>	:	1701100/48/13/42/00001717
<b>PAN Number</b>	:	BTCPS5253F		<b>Aadhar Number</b>	:	710441282652

AICTE ID	:	1-2186794029	AICTE Institution ID	:	1-7841521
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### Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	Chemistry	1998	Bishop Heber College	Bharathidasan	I
PG	Chemistry	2000	Jamal Mohammed College	Bharathidasan	I
Ph.D	Chemistry	2015	Thiru.Vi.Ka. Govt. Arts College	Bharathidasan	Highly Commended
Others	Nil				

### Registration for Ph.D. with area of interest:

Year of Ph.D. Registration: 2007

Year of Ph.D. Completed: 2015

**Thesis Title:** SYNTHESIS AND CHARACTERIZATION OF SOME NOVEL  $\beta$ -CARBOLINES OF BIOLOGICAL INTEREST

**Supervisor Recognition Number:** Nil

### Ph.D. Scholar Details

S.No.	Name of the scholar	Registration details	College	Status
	Nil			

### Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna Institute of Technology	Assistant Professor (Sl.Gr)	10.07.2013	-	10	5	
Dhanalakshmi Srinivasan Group of Institutions	Associate Professor	10.08.2009	06.07.2013	3	11	

K Ramakrishnan College of Engineering	Senior Lecturer	27.08.2008	12.06.2009	1		
S.S.M.College of Engineering	Lecturer	05.08.2000	10.06.2008	7	10	
<b>Total</b>				<b>23</b>	<b>2</b>	

#### Industrial Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Nil							
Total							

#### Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2017-2018	I	UICC001	Engineering Chemistry	T	CSE-B (82) MECH-B (75)
2017-2018	II	UICC002	Ecology and Environmental Science	T	CSE-B (85) MECH-B (76) EEE (95)
2018-2019	I	UICC001	Engineering Chemistry	T	CSE-A (98) MECH-A (88) IT (94)
2018-2019	II	UICC002	Ecology and Environmental Science	T	IT (96) MECH-A (93)
2019-2020	I	UICC001	Engineering Chemistry	T	CSE-B (80) MECH (76)
2019-2020	II	UICC002	Ecology and Environmental Science	T	CSE-B (100) MECH (100)
2020-2021	I	20CHG01	Engineering Chemistry	T	CSE-A (90) CSE-C (100)
2020-2021	I	20CHG02	Engineering Chemistry Laboratory	L	CSE-A (100) CSE-C (100)
2020-2021	II	20AC001	Environmental Science and Engineering	T	CSE-A (100) CSE-C (100)
2021-2022	I	20CHG01	Engineering Chemistry	T	CSE-A (98)

					MECH (92) EEE (100)
2021-2022	I	20CHG02	Engineering Chemistry Laboratory	L	CSE-A (100)
2021-2022	II	20AC001	Environmental Science and Engineering	T	CSE-A (100) MECH (100) EEE (100)
2022-2023	I	20CHG01	Engineering Chemistry	T	CSE- B (98) CSE-C (98) ECE (98)
2022-2023	I	20CHG02	Engineering Chemistry Laboratory	L	CSE- B (100) CSE-C (100)
2022-2023	II	20AC001	Environmental Science and Engineering	T	CSE- B (100) CSE-C (100) ECE (100)
2022-2023	II	20CHG02	Engineering Chemistry Laboratory	L	ECE (100)

#### Projects Guided

Academic Year	Semester	Project Title	UG / PG
Nil			

#### Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	3	5
Conferences	15	

#### Journal Publications (IEEE format)

[1] S.Senthilkumar and S.Sudha, "Synthesis and biological studies of some pyrrolo-  $\beta$ -Carbolines" Telematique. Vol. 21, no 1, pp. 4615-4627, Sep 2022.

[2] S.Senthilkumar and S.Manikandan, "Green Chemistry in Textile Processing" Int. J. of Scientific Research and Review. Vol. 7, no 5, pp. 44-53, May 2018.

[3] S.Senthilkumar ,S.Sudha and S.Arjuman Banu, "Synthesis and antimicrobial activity of novel 1,1-disubstituted pyrrolo- $\beta$ -carbolines" Int. J. of Printing, packaging and allied sciences. Vol. 4, no 5, pp. 3588-3599, Dec 2016.

- [4] S.Senthilkumar and M.Mariappan, "Antibacterial finishing application of N-phthalimido- $\alpha$ -hydroxyacetic acid" J. Chem. Pharm. Res. , Vol. 5, no 7, pp. 176-181, July 2013.
- [5] S.Senthil Kumar and M.Mariappan, "Synthesis and in Vitro Cytotoxic Activity of Some Novel  $\beta$ -Carbolines bearing pyrrol-2- one moiety" Int. J. of Pharma Sciences & Research. , Vol. 4, no 3, pp. 47-53, March 2013.
- [6] S.Senthil Kumar and M.I.Fazal Mohamed, "Synthesis and antimicrobial activity of novel 5-substituted pyrrolo- $\beta$ -carbolines" Int. J. of Pharm. & Life Sci. , Vol. 3, no 8, pp. 1888-1892, Aug 2012.
- [7] S.Senthil Kumar and M.I.Fazal Mohamed, "Synthesis and Characterization of Some New  $\alpha$ -Hydroxy- $\beta$ -acetamido Substituted Tryptamine Derivatives" Int. J. Res. Chem. Environ. Vol. 2, no 1, pp. 28-32, Jan 2012.
- [8] S.Senthil Kumar and M.I.Fazal Mohamed, "Synthesis, characterization and anti bacterial activity of some novel tryptamines bearing pyrrolidin-2-one moiety" Int. J. of Pharm. & Life Sci. , Vol. 2, no 12, pp. 1280-1286, Dec 2011.

#### **Conference Publications (IEEE format)**

- [1] Presented a paper in the International Conference on Science held at NGM College, Pollachi on Sep 2020
- [2] Presented a paper in the International Conference on Advanced Materials for Energy and Environmental Applications (AMMEA 2019) held at Government Arts College, Dharmapuri on 22nd & 24th August 2019.
- [3] Presented a paper in the International Conference on Recent Trends in Synthetic Methods and Material Chemistry (RTSMC 2018) held at Bharathidasan University, Trichy on August 2018.
- [4] Presented a paper in the International Conference Global Summit on Science Technology Engineering and Management (GSSTEM 2018) held at Sri Ramakrishna Institute of Technology, Coimbatore on 3rd May 2018.
- Presented a paper in the National Seminar on Recent Trends in Smart Materials (NSSM-2018) held at Kings College of Engineering, Thanjavur on 17th February

2018.

[5]Presented a paper in the International Conference on Recent Trends in Synthetic Methods and Material Chemistry (RTSMC-2018) held at Annamalai University, Chidambaram on 2nd & 3rd February 2018.

[6]Presented a paper in the International Conference on Environment, Genes, Health & Diseases-2017 held at Bharathiar University, Coimbatore from 22nd to 24th August 2017.

[7]Presented a paper in the National Conference on Innovations in Green Chemistry held at PSG College of Arts and Science, Coimbatore on 17th March 2017.

[8]Presented a paper in the International Conference on Environmental Conservation and Human Health –Challenges and Strategies held at Sri Venkateswara University, Tirupati from 21 st to 23rd December 2016.

[9]Presented a paper in the International Conference on Recent Trends in Biosciences (ICRTB-2016) held at Alagappa University, Karaikudi from 7th to 9th April 2016.

[10]Presented a paper in the International Conference on “Frontier Areas in Chemical Technologies (FACTs-2016) held at Alagappa University, Karaikudi from 21st to 23rd March 2016.

[11]Presented a paper in the National Conference held at Alagappa University, Karikudi on 26th & 27th March 2012.

Presented a paper in the National Conference held at Bharathidasan university, Trichy on 27th & 28th February 2012.

[12] Presented a paper in the National Conference held at Alagappa University, Karaikudi on 5th & 6th August 2011.

[13] Presented a paper in the Chennai Chemistry Conference held at IIT Madras, Chennai from 11th to 13th February 2011.

[14] Presented a paper in the International Conference on “HEALTH AND HYGIENE TEXTILES & CLOTHING- HEAT 2010” held at PSG College of Technology, Coimbatore on 30th & 31st July 2010.

[15] Presented a paper in the International Conference on “Apparel & Home Textiles” held at Coimbatore from 16th to 18th August 2007.

**Books / Book Chapters (IEEE format)**

Nil

**Sponsored Research**

Project Title	Funding Agency	Amount Rs.	Duration
Nil			

**Consultancy**

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
Nil				

**Workshops / Seminars attended**

- Participated in the CSIR sponsored two days seminar on “ Scrutinizing the latest approaches in the sphere of Advanced materials and Nanotechnology” held at P.A College of Engineering and Technology, Pollachi from 04.07.2019 to 05.07.2019.

- Participated in the CSIR sponsored two days workshop on “ New trends in Research and Modelling of crystal growth and its energy applications” held at P.A College of Engineering and Technology, Pollachi from 18.07.2019 to 19.07.2019.
- Participated in the One day seminar on “Computational Chemistry held at SRIT on 21.02.2018.
- Participated in the One day workshop on “Electronic Waste Management” held at SRIT on 10.02.2018.
- Participated in the Technical hands on training on video lessons preparations held at NIT, Trichy on 09.12.2016.
- Participated in the two week ISTE STTP on “Engineering Physics”, under NMEICTMHRD Govt.of India from 08.12.2015 to 18.12.2015.
- Participated in the National workshop on Characterization Techniques in Chemical Sciences held at NIT, Trichy from 09.07.2014 to 11.07.2014.
- Participated in the National workshop on Hands on Training in Basic Molecular Biological Techniques held at Bharathidasan University from 21.10.2013 to 25.10.2013.
- Participated in the NMR workshop held at SAIF, IIT-Madras, Chennai from 08.03.2012 to 10.03.2012.
- Participated in the AAS and GC-MS workshop held at Bharathidasan university, Trichy on 24.01.2012 & 25.01.2012.
- Attended National Seminar on “Societal Implications of Nanoscience and Technology” held at Anna University of Technology, Tiruchirappalli on 23.12.2010.
- Participated in the AICTE sponsored summer school on “e- CONTENT DEVELOPMENT AND DELIVERY” held at M.Kumarasamy College of Engineering, Karur from 30.06.2008 to 05.07.2008.

#### **Faculty Development Program attended (from recent)**

- Attended FDP on “Emerging Trends in Science and Technology” organized by Easwari Engineering College from 01.07.2021 to 06.07.2021.
- Attended FDP on “Recent trends in physics” on 02.09.2020 at St.Josephs College of Engineering.
- Attended FDP on “Recent trends on energy and materials” from 26.08.2020 to 28.08 2020 at CMR Institute of Technology.
- Attended FDP on “Spectroscopic techniques” from 03.08.2020 to 05.08.2020 at Jamal Mohamed College.



- Attended FDP on “Virtual learning platform for experimental science” on 13.05.2020 at A.P.C.Mahalaxmi college for women.
- Attended FDP on “Advanced Materials Research” at Bharath Institute of Engineering and Technology from 15.06.2020 to 19.06.2020
- Attended FDP on “Radiation and Environmental Radioactivity” from 03.06.2020 to 05.06.2020 at CSI College of Engineering.
- Attended FDP on “Mentoring Skills and Emotional Intelligence in Education” at Bharath Institutions from 05.10.2020 to 10.10.2020
- Attended FDP on “Frontiers in Scientific research and technology” from 11.06.2020 to 13.06.2020 at St.Josephs Group of Institutions.
- Attended FDP on “Role of Chemistry in COVID-19” on 13.05.2020 at Vels Institute of Science, Technology and Advanced Studies (VISTAS)
- Attended FDP on “Material Science” at Thanthai Hans Roever Colleg from 27.05.2020 to 26.05.2020.
- Attended FDP on “Recent Trends in Material Frontiers” organized by St. Josephs College of Engineering on 29.05.2020 and 30.05.2020.
- Participated in the Technical hands on training on “Video lessons preparations” held at NIT, Trichy on 9.12.2016.
- Participated in the two week ISTE STTP on “Engineering Physics”, under NMEICTMHRD Govt.of India from 08.12.2015 to 18.12.2015.

#### Events Organized (from recent)

##### Conference

S.NO	Title	Date	Venue
1	National Conference on Emerging Trends in Science, Engineering and Technology-NCETSET 2019	23.09.19	P.G Seminar Hall, SRIT
2	National Conference on Recent Innovations in Engineering Materials and Applied Sciences-RIEMAS 2019	14.03.19	P.G Seminar Hall, SRIT
3	Global Summit on Science Technology Engineering and Management GSSTEM 2018	03.05.18 & 04.05.18	SRIT, Coimbatore
4	National Conference on Recent Advances in Chemical Sciences-RACS 2017	28.10.17	P.G Seminar Hall, SRIT

**FDP**

Nil

**Workshops**

S.NO	Title	Date	Venue
1	National Workshop on Purification and Analytical Techniques-NWPAT 2018	19.02.18	P.G Seminar Hall and Chemistry Lab, SRIT
2	Metallurgy and Wet Chemical Analysis of Metals	17.01.18-10.02.18	P.G Seminar Hall and Chemistry Lab,SRIT
3	Metal Processing	18.02.17-29.03.17	P.G Seminar Hall and Chemistry Lab, SRIT

**Seminars**

S.NO	Title	Date	Venue
1	Seminar on “Role of Chemistry in the field of Engineering and Technology”	27.09.23	SRIT
2	National Seminar on “Recent Innovations in Battery Technology”	06.03.23	SRIT
3	One day webinar on “ Environmental Ethics”	16.05.22	online
4	One day webinar on “ Data Engineering”	22.01.22	online
5	One day webinar on “Reinforcing the Engineering Education with Chemistry”	23.07.21	online
6	National webinar on “How to win a Hackathon?”	29.04.21	online

**Online Courses Completed**

Sl. No.	Title	Platform
1	Inculcating Universal Human Values in Technical Education	AICTE
2	Business English Course	Cambridge English Entry Level Certificate in ESOL International
3	Electronic waste management- Issues and Challenges	NPTEL
4	“Chemicals and Health”	Coursera
5	“Introduction to Thermodynamics: Transferring Energy from Here to There”	Coursera
6	“A Life of Happiness and Fulfillment”	Coursera
7	“The Science of Well-Being”	Coursera
8	“Mind Control: Managing Your Mental Health During COVID-19”	Coursera

**Awards and Recognitions Secured**

- Received **Silver award** for I2CreaTE 2021

**Project Title:** Software based approaches for drug designing and development in the battle against COVID-19.

- Received **Silver award** in INVIDE 2021

**Project Title:** Novel Chemical Analyzer for differentiating Real and Artificially moulded finger prints.

- Received best library user award at S.S.M.College of Engineering, Tamil Nadu, India
- Vice Chairman-Chemistry Board, Zone-IX, Anna University, Chennai
- Acted as Member of Board of Studies
- Got Second rank among the B.Sc students of the Chemistry department in 1998 at Bishop Heber College, Tamil Nadu, India
- Got First rank among all the Masters students of the Chemistry department in 2000 at Jamal Mohamed College, Tamil Nadu, India

### **Self-appraisal**

#### **Major Strengths**

1. Subject Knowledge
2. Good Communication skills
3. Punctuality

#### **Major Weakness**

1. More liberal to students
2. Politeness

**Signature**