



# Raja Doraisingam Government Arts College

(Affiliated to Alagappa University, Karaikudi)

Sivagangai - 630561



## FACULTY PROFILE

- Name** : Dr. P. SURESH KUMAR
- Father's Name** : M. PARAMASIVAM
- Designation** : Assistant Professor
- Age and Date of Birth** : 46, 10-05-1976
- Gender** : Male
- Address for Communication** : 33/1, Desiga Vinayagar Kovil Street  
K. Pudur, Madurai: .625 007
- Phone No.** : 9442362240, 8838913185
- Email – id** : [psk\\_lavanya@rediffmail.com](mailto:psk_lavanya@rediffmail.com)  
[sureshathi1976@gmail.com](mailto:sureshathi1976@gmail.com)



### 9. Educational Qualification: M.Sc., M.Phil., PhD (Chemistry)

S.No.	Course	University/College/School	Year of Passing
1.	Ph.D. (Chemistry)	Anna University, Chennai/ B.S.A. Crescent Engineering College, Chennai	January 2013
2.	M.Phil. (Chemistry)	Madurai Kamaraj University/ S. N. College	September 2000
3.	M.Sc. (Chemistry)	Madurai Kamaraj University/ S. N. College	April 1998
4.	B.Sc. (Chemistry)	Madurai Kamaraj University/ M. S. S. Wakf Board College	April 1996
5.	H.S.C.	A.C. Hr. Sec. School, Madurai	April 1993
6.	S.S.L.C.	A.C. Hr. Sec. School, Madurai	April 1991

## 10. Area of Specialization:

- (i) Oxidation of Amino Acids by peroxoxidants (Research Area)
- (ii) Physical Chemistry/Inorganic Chemistry

### M. Phil., RESEARCH WORK:

**Dissertation title:** Assessment of ground water quality at Avaniyapuram

**Research Supervisor:** Late Dr. S. Paulrajan, PhD, Reader, Department of chemistry,  
Saraswathi Narayanan College, Madurai:625 022.

### Ph.D., RESEARCH WORK:

**Thesis title:** Kinetics and mechanism of copper(II) catalyzed oxidative  
deamination of basic amino acids by peroxomonosulphate.

**Research Supervisor:** Dr. D. Easwaramoorthy, Professor, Department  
of chemistry, B.S. Abdur Rahman Crescent Institute of  
Science & Technology, Chennai-48. (Formerly, B.S.A.  
Crescent Engineering College)

## 11. Teaching Experience: 22 years (As on 21.02. 2023)

S. NO	Name of Organisation	Period		Year of Experience
		From	To	
1.	Raja Doraisingam Govt. Arts College, Sivagangai	03.11.2015	Till Date	07 years 06 months
2.	Sethupathy Govt. Arts College, Ramanathapuram.	28.07.2015	02.11.2015	03 Months
3.	N.P.R. College of Engineering and Tech., Natham.	09.07.2012	27.07.2015	03 Years
4.	KLN College of Information Technology, Sivagangai Dt.	04.07.2011	08.06.2012	11 Months

5.	Eswari Engg. College, Chennai. (SRM group)	06.06.2007	03.06.2011	04 Years
6.	Anand Institute of Higher Technology, Chennai. (Kalasalingam group)	01.07.2005	31.05.2007	01 Year 11 Months
7.	SACS MAVMM Engg. College, Madurai.	03.01.2001	27.06.2005	04 Year 6 Months

## 12. Publications:

S.No.	Title	Name of the Journal	ISSN / ISBN	Year
1.	Copper (II) catalysed oxidative deamination of Lysine by peroxomonosulphate	International journal of ChemTech Research	ISSN: 0974-4290	2015
2	Mechanistic investigation of Cu(II) catalysed oxidative deamination and decarboxylation of histidine by PMS in buffered medium	International Journal of Innovative Research in Science, Engineering & Technology	ISSN: 2319-8753 (ONLINE) 2347-6710(Print)	2015
3	Reaction kinetics and mechanism of Cu(II) catalysed oxidative deamination and decarboxylation of ornithine by PMS	Industrial & Engineering Chemistry Research (ACS)	ISSN: 0888-5885 (print) 1520-5045 (web)	2012
4	Assessment of groundwater quality at Avaniyapuram	Indian journal of environmental protection	ISSN:0253-7141	2005

### 13. Paper Presented in Conferences/ Seminar:

S.No.	Title	Institution	Date & Year
1.	Copper (II) catalysed oxidative deamination of Lysine by peroxomonosulphate	KCG college of Technology, Chennai	19.03.2015 & 20.03.2015
2.	Mechanistic investigation of Cu(II) catalysed oxidative deamination and decarboxylation of histidine by PMS in buffered medium	Easwari Engineering College, Chennai	18.02.2015
3.	Spectroscopic studies on the kinetics of uncatalysed and copper(II) catalysed oxidative deamination and decarboxylation of histidine by peroxomonosulphate	Gurunanak College, Chennai	6-8 <sup>th</sup> January 2012
4.	Complexation in copper(II)-ornithine-PMS system studied by UV –visible, ESR and CV studies.	Anna Adarsh College for Women, Chennai	24 & 25 <sup>th</sup> August 2011
5.	Mechanistic aspects of uncatalyzed and Cu(II) catalyzed oxidation of arginine by PMS in the buffered medium	Easwari Engineering College, Chennai	2.03. 2011
6.	Oxidative decarboxylation of arginine by PMS-kinetic modeling	SRM University, Chennai	2. 02.2010
7.	Kinetics of oxidation of vanillin by N-chlorosuccinimide	A. V. C. College, Mayiladuthurai	27.02.2009 & 28.02.2009
8.	Mechanistic investigation on the oxidation of vanillin by PMS	Karunya University, Coimbatore	25.08.2007
9.	Assessment of ground water quality at Avaniyapuram	VHNSN College, Virudhunagar	29.03.2001

**14. Seminar/ Conference / Workshop Attended:**

<b>S.No.</b>	<b>Institution</b>	<b>Date &amp; Year</b>
1.	Virudhunagar Hindu Nadar's Senthikumara Nadar College (Autonomous)	14.07.2017 & 15.07.2017
2.	two-day ISTE workshop on Akash for Education conducted by Indian Institute of Technology, Bombay.	10-11 November, 2012
3.	two-day faculty development cum orientation program conducted by TPC, KLNCIT,	July, 22 – 23, 2011
4.	Easwari Engineering College, Chennai	3-4 Nov. 2007
5.	Kamaraj College of Engg. & Technology, Virudhunagar	13. 08.2004
6.	training programme on "Bio-Sand Filter" sponsored by CAWST, Canada and organized by DHAN foundation, India	May 20 – 23, 2004
7.	SACS M.A.V.M.M. Engineering College, Madurai	August 23-25, 2002
8.	VHNSN College, Virudhunagar	19.01.1999

**15. Details of Research Projects :**

<b>Title</b>	<b>Sponsoring Agency</b>	<b>Amount</b>	<b>Responsibility</b>
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**16. Ph.D/M.Phil., Guidance/Supervisorship:**

<b>S.No</b>	<b>Name of scholar</b>	<b>Course/year</b>	<b>Area of research</b>	<b>Status</b>
1.	P. Arockia Baby Sathya	M.Phil/Oct. 2016	Kinetics and mechanism of $\beta$ -cyclodextrin promoted and nickel(II) catalysed oxidation of L-proline by PMS.	Degree Awarded
2.	A. Udhayarani	M.Phil/ Oct. 2017	Kinetics and mechanism of mixture of iron (II) and cobalt (II) catalysed oxidation of L-lysine by PMS	Degree Awarded
3.	M. Kokila	M.Phil/ Oct. 2018	Kinetics and mechanism of mixture of copper(II) and nickel(II) catalysed oxidation of L-proline by PMS.	Degree Awarded
4.	M. Deepa	M.Phil/ Oct. 2019	Kinetics and mechanism of mixture of copper(II) and vanadium(IV) catalyzed oxidation of L-proline by PMS.	Degree Awarded
5.	A. Gowsalya.	M.Phil/ Oct. 2021	Kinetics and mechanism of mixture of cobalt (II) and nickel(II) catalysed oxidation of glycine by PMS.	Viva-Voce completed

**17. M.Sc. Project Guidance:**

<b>S.No.</b>	<b>Academic Year</b>	<b>No. of students Guided</b>
1.	2015-2016	04
2	2016-2017	04
3	2017-2018	04
4	2018-2019	05
5	2019-2020	04
6.	2020-2021	04
7.	2021-2022	04
8	2022-2023	03 (Doing M.Sc., Project)

**18.Seminar/ Conference/ Workshop Organised:**

<b>S.No.</b>	<b>Topic</b>	<b>Institution</b>	<b>Date</b>
1	In-service training programme for science teachers of Sivagangai district	Raja Doraisingam Government Arts college, Sivagangai.	04.02.2019 to 08.02.2019
2	Workshop on The Art of Thesis Writing, Preparing the Research Paper and Write the Research Proposal	Raja Doraisingam Government Arts College, Sivagangai.	. 04.03.2020
3.	Advances in chemistry of Nanostructured materials	Raja Doraisingam Government Arts college, Sivagangai.	13.04.2022

**19. webinar Attended**

<b>Sl.No</b>	<b>Topic And Organizing Institution</b>	<b>Date</b>
1	“EGO HOLIDAY” The Standard Fireworks Rajarathnam College for Women (Autonomous), Sivakasi	30.06.2020
2.	“Futuristic of Medicinal and Materials Chemistry (FMMC-2020)”	9th to 13th June 2020
3.	Electrochemical Applications	29th and 30th June 2020

## 20. Orientation/Refresher/FDP/STP/MOOCs Attended

Sl.No	Name of the Programme	University	From	To
1.	orientation programme	Madurai Kamaraj University, Madurai, Tamil Nadu, India	31.08.2017	27.09.2017
2.	Refresher Course in Chemistry	Madurai Kamaraj University, Madurai, Tamil Nadu, India	16.11.2018	06.12.2018
3.	Refresher Course in Chemistry	Ramanujan College, University of Delhi, India	11.05.2021	25.05.2021
4.	Refresher Course in Chemistry	Madurai Kamaraj University, Madurai, Tamil Nadu, India	07.10.2022	20.10.2022
5.	In- service Teacher Training Programme	Tamil Nadu State Council for Higher Education, Chennai	05.05.2022	06.05.2022

## 21. Resource Person:

Sl.No.	Topic	Delivered at	Period
1	Role of Chemistry in modern food	Government Arts College for Women, Sivagangai. (Chemistry Dept. Association inaugural function)	13.02.2020
2.	Effect of chemical compounds as a food adulterants	V.S.S. Government arts college, Poolankurichi, Sivagangai (Chemistry Dept. Association inaugural function)	29.02.2020
3.	Effect of chemical compounds as a food adulterants	Thassim Bheevi Abdul Kader College for Woman, Kilakarai, Ramanathapuram Dist. ( One day national seminar)	28.02.2022



## **22. Members in Organization's :**

- (i) Member in Indian society for Technical Education (MISTE No: LM81566)
- (ii) Chief Examiner in U.G. Chemistry Valuation Board  
(Alagappa University, karaikudi)
- (iii) Question setter and Examiner in Various Universities and Autonomous Colleges

## **23. Other Positions/Achievements:**

### **Book Publications**

- (i) "Engineering Chemistry –II (Anna University Syllabus for B.E/B.Tech students, Regulations 2013)  
  
Publisher: Global Publishers, Chennai  
  
Authors: Dr. P. Suresh Kumar and Dr. C. Balamurugan  
  
ISBN: 978-83-80170-36-7

### **Tamil Nadu Public Service Commission - Panel Member**

- (i) Confidential work for question setting and validation - 08.10.2018 to 13.10.2018
- (ii) Confidential work for question setting and validation - 18.10.2018 to 19.10.2018

### **Teachers Recruitment Board, Tamil Nadu - Panel Member**

- (i) Confidential work for question setting and validation - 27.07.2021 to 28.07.2021

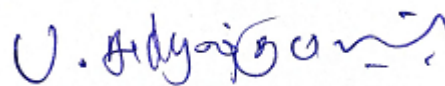
### **Thiruvalluvar University, Vellore – Scrutiny Board member**

- (i) Member in question paper scrutiny board. Confidential work for question paper scrutiny – 13.02.2021

### **Board of Studies – Subject Expert**

1. Acted as a subject expert in the Chemistry department board of studies meeting (U.G & P.G.) in Thassim Bheevi Abdul Kader College for Woman, Kilakarai, Ramanathapuram Dist. on 27.01.2022.
2. Acted as a subject expert in the Chemistry department board of studies meeting (Certificate Courses) in Thassim Bheevi Abdul Kader College for Woman, Kilakarai, Ramanathapuram Dist. on 15.02.2022.

**(Signature)**



**21.02.2023**

**Dr. P.SURESH KUMAR**

<b>S.No</b>	<b>Name of scholar</b>	<b>Course/year</b>	<b>Area of research</b>	<b>Status</b>
1.	P. Arockia Baby Sathya	M.Phil/Oct. 2016	Kinetics and mechanism of $\beta$ -cyclodextrin promoted and nickel(II) catalysed oxidation of L-proline by PMS.	Degree Awarded
2.	A. Udhayarani	M.Phil/ Oct. 2017	Kinetics and mechanism of mixture of iron (II) and cobalt (II) catalysed oxidation of L-lysine by PMS	Degree Awarded
3.	M. Kokila	M.Phil/ Oct. 2018	Kinetics and mechanism of mixture of copper(II) and nickel(II) catalysed oxidation of L-proline by PMS.	Degree Awarded
4.	M. Deepa	M.Phil/ Oct. 2019	Kinetics and mechanism of mixture of copper(II) and vanadium(IV) catalyzed oxidation of L-proline by PMS.	Degree Awarded
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#### 14. M.Sc. Project Guidance:

<b>S.No.</b>	<b>Academic Year</b>	<b>No. of students Guided</b>
1.	2015-2016	04
2	2016-2017	04
3	2017-2018	04
4	2018-2019	05
5	2019-2020	04
6.	2020-2021	04
7.	2021-2022	04

#### 14. Seminar/ Conference/ Workshop Organised: One

<b>S.No.</b>	<b>Topic</b>	<b>Sponsored by</b>	<b>Institution</b>	<b>Date</b>
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1.	In-service training programme for science teachers of Sivagangai district	Tamil Nadu State Council for Science and Technology	Raja Doraisingam Government Arts college, Sivagangai.	04.02.2019 to 08.02.2019
2.	Advances in chemistry of Nanostructured materials	-	Raja Doraisingam Government Arts college, Sivagangai.	13.04.2022

### 15. Resource Person:

Sl. No.	Topic	Delivered at	Date
1	Role of Chemistry in modern food	Government Arts College for Women, Sivagangai. (Chemistry Dept. Association inaugural function)	13.02.2020
2.	Effect of chemical compounds as a food adulterants	V.S.S. Government arts college, Poolankurichi, Sivagangai (Chemistry Dept. Association inaugural function)	29.02.2020
3.	Effect of chemical compounds as a food adulterants	Thassim Bheevi Abdul Kader College for Woman, Kilakarai, Ramanathapuram Dist. ( One day national seminar)	28.02.2022

### 16. Orientation programme/ Refresher course Attended (After January 2016)

(i) Participated in the UGC sponsored orientation programme conducted by UGC-Human Resource Development Centre, Madurai Kamaraj University, Madurai, Tamil Nadu, India held from 31.08.2017 to 27.09.2017.

(ii) Participated in the UGC sponsored Refresher Course in Chemistry, Theme: “ Recent Advances in Chemistry” conducted by UGC-Human Resource Development Centre, Madurai Kamaraj University, Madurai, Tamil Nadu, India held from 16.11.2018 to 06.12.2018.

(iii) Participated in the UGC sponsored Refresher Course in Chemistry, Theme: “Managing online classes and co-creating MOOCS 5.0” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi, India held from 11.05.2021 to 25.05.2021.

(iv) Participated in the UGC sponsored Refresher Course in Chemistry, Theme: “ Recent Trends in Chemistry” conducted by UGC-Human Resource Development Centre, Madurai Kamaraj University, Madurai, Tamil Nadu, India held from 07.10.2022 to 20.10.2022.

### **17. Members in Organization’s:**

- (i) Member in Indian society for Technical Education (MISTE No: LM81566)
- (ii) Chief Examiner in U.G. Chemistry Valuation Board  
(Alagappa University, karaikudi)
- (iii) Question setter and Examiner in Various Universities and Autonomous Colleges.

### **18. Other Achievements:**

#### **Tamil Nadu Public Service Commission - Panel Member**

- (i) Confidential work for question setting and validation - 08.10.2018 to 13.10.2018
- (ii) Confidential work for question setting and validation - 18.10.2018 to 19.10.2018

#### **Teachers Recruitment Board, Tamil Nadu - Panel Member**

- (ii) Confidential work for question setting and validation - 27.07.2021 to 28.07.2021

#### **Thiruvalluvar University, Vellore – Scrutiny Board member**

- (ii) Member in question paper scrutiny board. Confidential work for question paper scrutiny – 13.02.2021

#### **Board of Studies – Subject Expert**

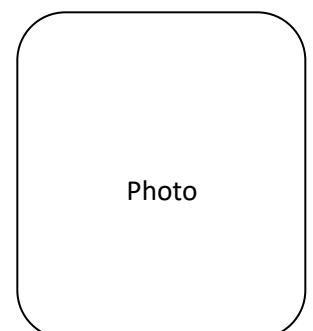
- 3. Acted as a subject expert in the Chemistry department board of studies meeting (U.G & P.G.) in Thassim Bheevi Abdul Kader College for Woman, Kilakarai, Ramanathapuram Dist. on 27.01.2022.

4. Acted as a subject expert in the Chemistry department board of studies meeting (Certificate Courses) in Thassim Bheevi Abdul Kader College for Woman, Kilakarai, Ramanathapuram Dist. on 15.02.2022.

**Signature**

**(Dr. P. SURESH KUMAR)**

24. Name :
25. Father's Name :
26. Designation :
27. Age & Date of Birth:
28. Gender :
29. Address for  
Communication :



**30. Phone No** :

**31. Email- id** :

**32. Educational Qualification :**

S.No.	Course	University/College	Year of Passing

**33. Area of Specialization** :

**34. Experience :**

S. NO	Name of Organisation	Period		Year of Experience
		From	To	
1				
2				
3				

**35. Publications:**

S.No.	Title	Name of the Journal	ISSN / ISBN	Year
1				

2				
3				
4				
5				
6				
7				
8				
9				
10				

**36. Paper Presented in Conferences/ Seminar:**

<b>S.No.</b>	<b>Title</b>	<b>Institution</b>	<b>Date &amp; Year</b>
1			
2			
3			
4			
5			
6			

**37. Seminar / Conference / workshop / Attended:**

<b>S.No.</b>	<b>Institution</b>	<b>Date &amp; Year</b>



1		
2		
3		

**38. Details of Research Projects :**

Title	Sponsoring Agency	Amount	Responsibility

**39. Ph.D Guidance/Supervisorship:**

Name of scholar	Course	Area of research	Status

**40. Seminar/ Conference/ Workshop Organised:**

S.No.	Topic	Institution	Date
1			
2			

**41. webinar Attended**

Sl.No	Topic And Organizing Institution	Date

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**42. Orientation/Refresher/FDP/STP/MOOCs Attended**

<b>Sl.No</b>	<b>Name of the Programme</b>	<b>University</b>	<b>From</b>	<b>To</b>

**43. Resource Person:**

<b>Sl.No.</b>	<b>Topic</b>	<b>Delivered at</b>	<b>Period</b>
1			
2			
3			

**44. Members in Organization's :**

**45. Other Positions/Achievements:**

**(Signature)**