

## FACULTY PROFILE



1. Name and Designation: Dr. R. Vasudevan, Professor and Dean ECA

2. Department: Chemistry

3. Date of Birth: 30-01-1945

4. Unique ID:

5. Education Qualification: M.Sc., Ph.D.,

6. Work Experience:

- Teaching: 39 Years
- Research: - 35
- Industry: -
- Others: -

7. Area of Specialization: Polymer Chemistry, Waste Management

8. Courses Taught at:

UG Level: Engineering Chemistry

PG Level: Polymer Chemistry, Bio Chemistry

9. Research/Project Guidance:

Master: -

Ph.D: -

10. Projects Carried out: 7 Project

11. Patents: Obtained: 1      Applied: 1

12. Technology Transfer: -

13. Research Publications:

National Journals: 7

International Journals: 6

Conferences: 10

14. No of Books Published with details: -

## FACULTY PROFILE



1. Name and Designation : Dr.M.KOTTAISAMY, Professor

2. Department : Chemistry

3. Date of Birth :05.04.1966

4. Unique Id : 10013003

5. Education Qualification: M.Sc, PhD

6. Work Experience :

- Teaching : 12 years
- Research : 29 years
- Industry : 6 months
- Others :

7. Area of Specialization : Materials Science

8. Courses Taught at:

UG Level : Engineering Chemistry, Environmental Science

PG Level : Environmental Chemistry

9. Research/Project Guidance :

Master ; 6

Ph.D ; 6

10. Projects Carried out : 2

11. Patents : Obtained :                      Applied :1

12 : Technology Transfer : 2

13. Research Publications :

National Journals : 10

International Journals ; 70

Conferences : 10

14. No of Books Published with details: 5

## FACULTY PROFILE



1. Name and Designation : Dr.Mrs.K. RADHA-PROFESSOR

2. Department :CHEMISTRY

3. Date of Birth :14.021962

4. Unique id : 90013001

5. Education Qualification: M.Sc.,B.Ed., Ph.D

6.Work Experience :

- Teaching : 31 years (02 + 29)
- Research 15 years
- Industry :02 years
- Others :NA

7.Area of Specialization :

8.Courses Taught at:

UG Level : Organic chemistry, Inorganic chemistry, Physical chemistry (B.Sc., Applied sciences)

Engineering chemistry, Environmental science, Chemistry of engineering materials(B.E./B.tech )

PG Level : Inorganic chemistry , Organic chemistry, Physical chemistry, Water chemistry , Environmental chemistry, corrosion science.

9.Research/Project Guidance :

Master ;12

Ph.D ;01

10. Projects Carried out : nil

11. Patents : Obtained : nil Applied :nil

12 : Technology Transfer :nil

13. Research Publications :

National Journals : 06

International Journals ;nil

Conferences : Organized -02 attended- 30

14. No of Books Published with details : under preparation

## FACULTY PROFILE



1. Name and Designation : Dr.J.SHANMUGAPRIYA  
Assistant Professor
2. Department : CHEMISTRY
3. Date of Birth : 18-03-1979
4. Unique id : 08013002
5. Education Qualification : M.Sc., M.Phil., Ph.D.,
6. Work Experience :
- Teaching : 15 years
  - Research : 6 years ( as part time scholar)
  - Industry : -
  - Others : -
7. Area of Specialization : Chemo and Biosensor and its imaging studies in live cells.
8. Courses Taught at :
- UG Level : Chemistry-I semester  
Chemistry Laboratory-I semester  
Environmental Science-II semester  
Biology For Engineers-Foundation Elective  
Battery Technologies- Foundation Elective
- PG Level : NA
9. Research/Project Guidance :
- Master ; M.Sc Applied Chemistry-5
- Ph.D ;
10. Projects Carried out : 1 Minor Project
11. Patents : Obtained : Applied :
- 12 : Technology Transfer :
13. Research Publications : 8

National Journals	:	
International Journals	;	8
Conferences	:	14

14. No of Books Published with details :

## FACULTY PROFILE



1. Name and Designation : Dr.S.Rajkumar, Assistant Professor,

2. Department : Chemistry

3. Date of Birth : 02/07/1975

4. Unique id : 10 013 001

5. Education Qualification: M.Sc., B.Ed., M.Phil., Ph.D.,

6. Work Experience :

- Teaching : 14 Years
- Research : 9 years
- Industry : ---
- Others : ---

7. Area of Specialization: Water Dynamics

8. Courses Taught at:

UG Level :

- Chemistry
- Environmental Science
- Biology for Engineers
- Chemistry Laboratory

PG Level :

- Water and Waste water management
- Green Chemistry
- Pharmaceutical Chemistry
- Environmental Chemistry

9. Research/Project Guidance :

Master : 04

Ph.D ; Nil

10. Projects Carried out : Nil

11. Patents : Obtained : Nil                      Applied : Nil

12 : Technology Transfer : Nil

13. Research Publications :

National Journals : Nil

International Journals ; 03

Conferences : 05

14. No of Books Published with details : Nil





## FACULTY PROFILE

1. Name and Designation : Dr.S.Balaji

2. Department : Chemistry

3. Date of Birth : 07/05/1981

4. Unique id : 10013002

5. Education Qualification: M.Sc., Ph.D

6. Work Experience :

- Teaching : 8 years 10 months
- Research : 7 years
- Industry : Nil
- Others : Nil

7. Area of Specialization : Electrochemistry, Lithium ion Batteries, Electrochemical Machining

8. Courses Taught at:

UG Level : Engineering Chemistry (18CH130), Entrepreneurship Development (18CEGG0), Environmental Science

PG Level : Environmental Chemistry (18EN120)

9. Research/Project Guidance :

Master ; 8 Completed 1 Ongoing

Ph.D ; 1 Completed and 1 Ongoing

10. Projects Carried out :

S.No	Title of the project	Sponsoring agency	Period	Amount	
				INR	(in lakhs)
1.	Development of Combat vehicle research electrochemical machining and development process for Ti6Al4V organization,	DRDO,	2013 – 2016		21.48

	diaphragms	Chennai, India			
2.	Synthesis and characterization of magneto dielectric substrates for microwave antenna applications	Defence Research and Development Organization (DRDO), New Delhi, India	2012 – 2016	–	20.96
3.	Development of LiFePO <sub>4</sub> /C, Li <sub>2</sub> FeSiO <sub>4</sub> /C Based Composite Positive Electrodes and Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Based Negative Electrode For High Power Energy storage Applications	Department of Science and Technology, New Delhi, India	2012 – 2016	–	7.75
4.	Development of Thin Film Electrode for Solid State Thin Film Micro Batteries	University Grants Commission, New Delhi, India	2012 – 2015	-	5.750
5.	Development of Nano composite absorber for suppression of excess EM radiation	DST, SERB	2015-2018		62.50

11. Patents : Obtained :                      Applied : Nil

12 : Technology Transfer :

1. Optimal Composition and Position of sacrificial anode efficiency for water heaters – M/s.Venus Home Appliances

13. Research Publications :

National Journals : 1

International Journals ; 23

Conferences : 42

14. No of Books Published with details : Nil

## FACULTY PROFILE



1. Name and Designation : Dr. V.VELKANNAN

2. Department : CHEMISTRY

3. Date of Birth : 03.01.1983

4. Unique id : 12013001

5. Education Qualification: M.SC., PH.D

6. Work Experience :

- Teaching : 6 YEARS 11 MONTHS
- Research : 6 YEARS
- Industry : NA
- Others : NA

7. Area of Specialization : INORGANIC CHEMISTRY

8. Courses Taught at:

UG Level : 6 YEARS (CHEMISTRY, CHEMISTRY LABORATORY)

PG Level : 2 YEARS (INORGANIC CHEMISTRY, PHYSICAL CHEMISTRY)

9. Research/Project Guidance :

Master ; TWO

Ph.D ; NIL

10. Projects Carried out : NA

11. Patents : Obtained : Applied : ONE

12 : Technology Transfer : NA

13. Research Publications : 14

National Journals : 03

International Journals ; 11

Conferences : 01

14. No of Books Published with details : NA

## FACULTY PROFILE



1. Name and Designation : S.SIVA ILANGO & ASSISTANT PROFESSOR

2. Department : CHEMISTRY

3. Date of Birth : 26.05.1978

4. Unique id : 12013002

5. Education Qualification: M.Sc., M.Phil., Ph.D

6. Work Experience :

- Teaching : 10
- Research :
- Industry :
- Others :

7. Area of Specialization : Water Analysis, and Polymeric materials

8. Courses Taught at:

UG Level : Engineering Chemistry, Environment Science

PG Level : Environmental Chemistry

9. Research/Project Guidance :

Master ; 2

Ph.D ; 1

10. Projects Carried out :

11. Patents : Obtained :                      Applied :

12 : Technology Transfer :

13. Research Publications :

National Journals : 3

International Journals ; 12

Conferences :

14. No of Books Published with details : 1( Adsorption and Activated Carbon, Lambert academy publishers )

## FACULTY PROFILE



1. Name and Designation : Dr. M. VELAYUDHAM, Assistant Professor

2. Department : Chemistry

3. Date of Birth : 27-03-1980

4. Unique id : 18013005

5. Education Qualification: M.Sc., Ph.D

6. Work Experience :

- Teaching : 1 Year 7 months
- Research : 10 Years 7 months
- Industry :
- Others :

7. Area of Specialization : Inorganic photochemistry

8. Courses Taught at:

- UG Level :
- (i) Engineering Chemistry
  - (ii) Environmental Science
  - (iii) Chemistry for Engineering Materials
  - (iv) Biology for Engineers

PG Level : Nil

9. Research/Project Guidance :

Master ; Nil

Ph.D ; Nil

10. Projects Carried out :

S.N	Title of the project	Sponsoring agency	Period	Amount
o				INR (in lakhs)
1.	Biocompatible metal carbonyl complexes as probes for cell imaging by IR and Raman microspectroscopy	DST New Delhi	2013- 2016	29.51

11. Patents : Obtained : Nil                      Applied : Nil

12 : Technology Transfer : Nil

13. Research Publications :

    National Journals : Nil

    International Journals ; 29

    Conferences : Nil

14. No of Books Published with details : 1 (Book Chapter)

Author(s)	Title	Title of book & Editor(s)	Publisher	ISBN
M. Velayudham and S. Rajagopal	Chapter 3, <i>Coordination Chemistry of [oxo(salen)chromium(V)]<sup>+</sup> Complexes And Their Reactivity</i> , pp 103–127	<i>Coordination Chemistry Research Progress</i> , Todd W. Cartere and Kevin S. Verley	Nova Publishers, New York, <b>2008</b>	978-1-60456-047-3

