Sri Sai Ram Engineering College

Department Of Humanities And Sciences

Name : Dr. M.K. RAMAN	
Designation :	Associate Professor
Qualification :	M.Sc., M.Phil., B.Ed., Ph.D., SET.
Area of Specialization	CHEMISTRY
Experience :	Teaching : UG : 15 years PG : yrs
	Industry :1 yrs
No. of Workshop / Conferences / FDP attended	23
Publication :	Journal National : NIL International : 5
	Conference National : 2 International : 5
Research Guidance :	
General : Thesis Title	Adsorption of Textile Dyes Using Low-cost Adsorbents
Staff Achievements	i) Many times more than 95%result ii) 8 times 100 %result

Educational Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.	General Chemistry	2003	L.N.G. College	Madras University	63.05%	I
PG	M.Sc.	General Chemistry	2006	Sir T heagaraya College	Madras University	65.39%	I
PG	M.Phil.	Organic Chemistry	2007	Presidency College	Madras University	78.42%	I
Ph.D.	Ph.D.	Chemistry	2019	Presidency College	Madras University	NA	Highly Commented

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
P.B. College of Engineering	Lecturer	09.10.2007	30.04.2008	-	06	24
B.K.R. College of Engineering	Lecturer	13.10.2008	07.07.2009	-	08	26
Sri Sai Ram Engineering College	Assistant Professor	30.07.2009	31.12.2019	10	05	0
Sri Sai Ram Engineering College	Associate Professor	01.01.2020	Till date	3	3	0
Total				14	10	20

PUBLICATIONS

Journals:

1. **MK Raman** *& G Muthuraman (2015), Decolorization of Red HE-7B by Hyparrheniahirta - A better carbonization method; International Journal of Science, Engineering and Technology research, Volume 4, Issue 4, 1173-1179.*

2. **MK Raman***, G Muthuraman (2015), "Application of Hyparrheniahirta - A novel biosorbent for the effective removal of reactive dyes", International Journal of ChemTech Research, Volume 7, No. 7, pp.2860-2866.*

3. **MK Raman** *&, G Muthuraman (2017), "Removal of Binary Mixture of Textile Dyes on Prosopis Juliflora Pods – Equilibrium, Kinetics and Thermodynamics studies"; Iranica Journal of Energy & Environment, 8(1),48-55.*

4. **MK Raman** *& G Muthuraman. (2018) "Applicability of Tempkin Equilibrium and Elovich Kinetics for Chemisorption of Brown HE-2G on Calendula officinalis", Iranica Journal of Energy & Environment, 9(1),41-47.*

5. **MK Raman** *& G Muthuraman. (2019) "Temperature Effect in Adsorption of Blue HE- 3R on Calendula officinalis: Isotherm, Kinetics and Thermodynamics", Asian Journal of Chemistry, Vol. 31, No. 6, 1255-1259.*

Conferences:

1. **Raman MK** *and Muthuraman G, (2013) "Adsorption of Reactive dyes on low cost adsorbent prepared by Sugarcane Baggasse". National Conference on Energy, Environment and Climate Change (NCEEC-2013) on 18-19, Presidency College, Chennai-600005.*

2. **Raman MK** *and Muthuraman.G (2015) "Application of Hyparrheniahirta – A Novel Biosorbent for Effective removal of Reactive Dyes" International Conference on Energy, Water, Environmental Science and Technology (ICEWEST-2015) Feb 5&6, Presidency College,Chennai-05.*

3. **Raman MK** *and Muthuraman.G (2015) "Adsorption of Red HE-7B on low cost adsorbent by different activation methods" 2nd National Seminar on the Concept of Green Chemistry (NSCGC-2015) 18th April, Valliammai Engineering College, Kattankulathur-603203, Chennai,India.*

4. **Raman MK** *and Muthuraman G, (2017) "Equilibrium, Kinetic and Thermodynamics of Brown HE-2G on Calendula Officinalis". 14th International Conference on Science, Engineering and Technology (ICSET-2017) on 02-03, Vellore Institute of Technology, Vellore –632014,India.*

5. **Raman MK** *and Muthuraman G, (2018) "Removal of Blue-HE3R by natural adsorbent - Isotherm and Kinetics". International Conference on Computer Simulations in Natural Sciences (SIMSCI-2018) 4-6 April, Presidency College, Chennai-600005.*

6. **Raman MK,** *(2021) "Decolorization of Red HE-7B by Hyparrhenia hirta – Arriving the Adsorption Isotherm by Python Programming". International Virtual Conference on Chemical Research for Sustainable Development (ICCRSD-2021) on 24 - 25th September 2021, SRM Institute of Science and Technology, Ramapuram Campus, CHENNAI-89.*

7. **Raman MK,** *(2021) "Computing the Adsorption Isotherm of Textile Dye (RHE-7B) by Python Programming''. International Conference on Instigating Research in Materials, Energy and Environment, Easwari Engineering College, Ramapuram, Chennai-89.*

Workshops:

1. *National Seminar on Environmental Issues and Sustainable Development on 11&12th November 2013.*

2. *National Seminar on Recent Trends in Laser Spectroscopy and its application on 17.10.2013 at Sri Sairam Engineering College, Chennai.*

3. *"National Workshop on Advancement in Chemical Sciences" on 18th July 2016, held at Sri Sairam Institute of Technology, Chennai - 600044.*

4. *2 Days National Workshop on ˍ"Scanning Electron Microscope" by Sethu Institute of Technology from 05-10-21 to 06-10-21.*

FDP:

1. *Role of Academic Excellence in Developing WORLD CLASS HIGHER LEARNING INSTITUTION AND FACILITIES ON 12.12.2012 at Sri Sairam Engineering College, Chennai.*

2. *"National Workshop on Art of Journal and Thesis Writing" in January 2012, held at Sri Sairam Engineering College, Chennai -600044.*

3. *3 days AICTE sponsored* **FDP** *between 27-8-18 to 29.8.18 on "***THE STUDENT INDUCTION PROGRAM***", held at Panimalar Engineering College, Chennai - 600123.*

4. *7 days AICTE sponsored* **FDP** *from 03-12-18 to 09.12.18 on "***THE STUDENT INDUCTION PROGRAM***", held at Easwari Engineering College, Chennai – 600089.*

5. *3 days AICTE sponsored* **FDP** *from 15-11-19 to 17.11.19 on* **"ADVANCED TRAINING OF TRAINERS WORKSHOP ON PREPARING RESOURCE PERSON FOR FDP ON STUDENT**

INDUCTION", *held at International Institute of Information Technology Hyderabad (IIIT-H), Gachibowli, Telangana – 500032.*

6. *3 days* **FDP** *from 19-12-19 to 21-12-19 on* "**INTRODUCTION TO PYTHON PROGRAMMING**" *conducted by ICT Academy at SRM Institute of Science and Technology, Vadapalani, Chennai – 600026.*

7. *5 days FDP from 31.08.20 to 04.08.20 on "APPLICATION OF ADVANCED MATERIALS AND TECHNOLOGIES IN CHEMICAL SCIENCE" conducted by Easwari Engineering College, Ramapuram, Chennai - 89.*

8. *5 days ATAL-FDP from 14.12.20 to 18.12.20 on "TRAINING FOR SOCIAL CONNECTEDNESS AND INSPIRATION" conducted by Venkateshwara College of Engineering.*

9. *5 days ATAL-FDP from 05.01.21 to 09.01.21 on "PERSONAL EFFECTIVENESS" conducted by Birla Institute of Technology, Mesra.*

10. *2 days FDP from 27.01.21 to 28.01.21 on "ASSESSMENT AND TOOLS" conducted by SRM Institute of Science and Technology, Ramapuram, Chennai-89.*

11. *5 days ATAL-FDP from 15.03.21 to 19.03.21 on "LEARNING MANAGEMENT SYSTEM" conducted by National Institute of Technical Teachers Training and Research.*

12. *5 Days ATAL-FDP from 06.09.21 to 10.09.21 on "RENEWABLE ENERGY FOR INDUSTRIAL & DOMESTIC APPLICATIONS" conducted by Jawaharlal Nehru Technological University Anantpur College of Engineering, Pulivendula.*

13. *5 Days ATAL-FDP from 13.09.21 to 17.09.21 "EFFECTIVE COURSE DELIVERY THROUGH MOODLE" conducted by MES College, Marampally.*

14. *5 Days FDP from 21.02.22 to 25.02.22 "CARBON CAPTURE AND STORAGE" conducted by Central University of Tamilnadu, Thiruvarur - 610005.*

Online Courses:

1. *Successfully Completed "Spreadsheets for Beginners using Google Sheets" (Coursera) on 09.06.2020.*

2. *Successfully Completed "Using Python to Access Web data" (Coursera) on 23.05.2020.*

3. *Successfully Completed "Python Data structure" (Coursera) on 09.05.2020.*

4. *Successfully Completed "Python for Everybody" (Coursera) on 06.05.2020.*

5. *Successfully Completed "Python for Beginners - learn python Hands-on" by Udemy Course on 15.04.2020.*

6. *Successfully Completed "Python Boot camp 2020 Build 15 working applications and Games" by Udemy Course on 15.04.2020.*

7. *Successfully Completed "Introduction to IOT" by Simpli learn on 09.04.2020.*

8. *E-Waste management (Udemy) on 15.09.2021.*

9. *Successfully completed "Crash course on Python" (Coursera) on 01.02.2022.*

10. *Successfully completed NITTT - Module-5 "Technology Enabled Learning and Life-long self-learning"*

11. *Successfully completed NITTT - Module-3 "Communication Skills and Knowledge Dissemination"*