

## Name and Qualification

**Name** : **Dr. K. RAMESH**  
**Designation** : ASSISTANT PROFESSOR  
**Department** : CHEMISTRY  
**Subject Interest** : PHYSICAL CHEMISTRY  
**Specialization** : ENVIRONMENTAL CHEMISTRY

## DETAILS OF PROFESSIONAL AND RESEARCH EXPERIENCE

**Assistant Professor**  
**Institute** : KAMADHENU ARTS AND SCIENCE COLLEGE, DHARMAPURI.  
**Period** : FROM AUGUST 2005 TO JUNE 2006  
**Teaching Area** : GENERAL CHEMISTRY, ALLIED CHEMISTRY

**Assistant Professor**  
**Institute** : KING NANDHIVARMAN ARTS AND SCIENCE COLLEGE, THELLAR.  
**Period** : FROM JULY 2006 TO JUNE 2010  
**Teaching Area** : GENERAL CHEMISTRY, ALLIED CHEMISTRY

**Assistant Professor**  
**Institute** : ARASU ENGINEERING COLLEGE, KUMBAKONAM.  
**Period** : FROM JULY 2010 TO FEBRUARY 2016  
**Teaching Area** : ENGINEERING CHEMISTRY, ENVIRONMENTAL CHEMISTRY

**Assistant Professor**  
**Institute** : POOMPUHAR COLLEGE, MELAIYUR.  
**Period** : FROM MARCH 2016 TO TILL DATE  
**Teaching Area** : GENERAL CHEMISTRY, ALLIED CHEMISTRY

## ACADEMIC PROFILE

### Ph.D.,

University : BHARATHIDASAN UNIVERSITY  
Date and Place : OCTOBER 2015, A.V.V.M SRI PUSHPAM COLLEGE,  
POONDI.  
Research Supervisor : Dr. V. NANDHAKUMAR  
Title of Thesis : STUDIES ON THE REMOVAL OF FEW DYES AND  
METAL IONS FROM AQUEOUS SOLUTION USING  
MICROWAVE ASSISTED ZINC CHLORIDE  
ACTIVATED CARBON PREPARED FROM DELONIX  
REGIA PODS.

### M.Phil.,

University : BHARATHIDASAN UNIVERSITY  
Main Subject : CHEMISTRY  
Year : 2006 - 2007  
Marks : 82%  
Supervisor : Dr. S. SHANKAR  
Title of Dissertation : EXTRACTION OF NATURAL DYE FROM *THESPISIA*  
*POPULEA* FOR DYEING OF COTTON

### PG

University : BHARATHIDASAN UNIVERSITY  
College : A.V.V.M SRI PUSHPAM COLLEGE, POONDI.  
Main Subject : CHEMISTRY  
Year : 2003 - 2005  
Marks : 67%

### UG

University : BHARATHIDASAN UNIVERSITY  
College : GOVERNMENT COLLEGE, KUMBAKONAM.  
Main Subject : CHEMISTRY  
Year : 2000 - 2003  
Marks : 67%

### H.Sc.,

Board : STATE BOARD  
Main Subject : COMPUTER SCIENCE GROUP  
Year : 2000  
Marks : 61%

## S.S.L.C

Board	: STATE BOARD
Main Subject	: GENERAL
Year	: 1998
Marks	: 75.2%

## RESEARCH GUIDANCE

### M.Phil.,

Number of M.Phil., Scholars	: -
Degree Awarded	: 01

### Ph.D.,

Number of PhD Scholars	: 03
Degree Awarded	: -
Thesis Submitted	: -
Synopsis Submitted	: -

## AWARDS AND DISTINCTION

Awards are received for the *Outstanding Academic Performance* in producing 100% and above 95% result in various papers of chemistry from previously worked institutions.

## PUBLICATIONS - ARTICLES PUBLISHED IN JOURNALS

### International Journals: 18 Papers

1. Ramesh K, Rajappa A and Nandhakumar V., Adsorption of Turquoise Blue Dye from Aqueous Solution using Microwave Assisted Zinc Chloride Activated Carbon Prepared from *Delonix Regia* Pods, *Z. Phys. Chem.* 2017; 231(5): 1057-1076.
2. Ramesh K, Rajappa A and Nandhakumar V., "Kinetics of adsorption of Vinyl Sulphone red dye from aqueous solution onto commercial activated carbon, *Int.J.Curr.Res.Chem.Pharma.Sci*, Vol.1(1), March (2014). 28-36
3. Ramesh K, Rajappa A and Nandhakumar V., IR, XRD and SEM studies on the adsorption of Methylene Blue dye onto microwave assisted ZnCl<sub>2</sub> activated carbon prepared from *Delonix regia* pods, *Int.J.Curr.Res.Chem.Pharma.Sci*, Vol.1 (4), June (2014), 15-19.
4. Ramesh K, Rajappa A and Nandhakumar V., Adsorption of Hexavalent Chromium

- onto Microwave Assisted Zinc Chloride Activated Carbon Prepared from Delonix regia Pods, *Int. J. Res. Chem. Environ*, Vol. 4 (3), July (2014), 1-9.
5. Ramesh K, Rajappa A and Nandhakumar V., Adsorption of Methylene Blue onto Microwave Assisted Zinc Chloride Activated Carbon Prepared from Delonix regia Pods - Isotherm and Thermodynamic Studies, *Research Journal of Chemical Sciences*. Vol. 4(7), , July (2014), 36-42
  6. Ramesh. K, Rajappa. A and Nandhakumar. V., Kinetics of Adsorption of Methylene Blue onto Microwave Assisted Zinc Chloride Activated Carbon Prepared from Delonix regia pods, *IJCPS*, Vol.2(8), Aug (2014), 878-885.
  7. A.Rajappa, K. Ramesh, B.Amutha, V.Nandhakumar and HemaRamesh "Kinetics of Adsorption of Congo Red onto Multi Walled Nano Carbon" *Inter. Jou. Cur. Res. Chem and Pharm Sciences* .Vol 1 Issue (1),, March-2014, 18-23
  8. A.Rajappa, K. Ramesh, V.Nandhakumar and HemaRamesh "Equilibrium and Isotherm Studies of Congo Red Adsorption onto Commercial Activated Carbon" *Inter. Jou. Cur. Res. Chem and Pharm Sciences* .Vol 1 Issue (3). May-2014, 43-48.
  9. A.Rajappa, K. Ramesh, V.Nandhakumar and HemaRamesh " Kinetics of Adsorption of Congo Red dye onto Commercial Activated Carbon from Aqueous Solution" *International Journal of Environmental Nano Technology*. Vol 3 Issue (2), June-2014 , 43-49.
  10. A.Rajappa, K.Ramesh, V.Nandhakumar, "Removal of Congo Red Dye from Aqueous Solution Using ZnCl<sub>2</sub> Activated Carbon Prepared from Delonix Regia Pods (Flame Tree) *Inter. Jour. Chem. Pharm. and Sciences*. Vol 2 Issue (7). July-2014 , 961-971.
  11. A.Rajappa, K.Ramesh, V.Nandhakumar, "Thermodynamics and instrumental analysis of Congo red dye Adsorption onto Commercial Activated carbon" *Inter, Jou, Chem and Pharm, Sciences*. Vol.2(8) , August-2014, 878-883.
  12. A.Rajappa, K.Ramesh, V.Nandhakumar, M.Pugazhenthii and S.Sivajiganesan "Thermodynamics and instrumental analysis of Bismarck Brown R dye onto Activated carbon prepared from Delonix Regia pods shell (flame tree)". *Asain Journal Chem Pharma Research* , , Vol.2(2), August-2014, 124-130.
  13. A.Rajappa, K.Ramesh, V.Nandhakumar. Thermodynamics and instrumental analysis of Bismarck Brown - R dye onto Activated carbon prepared from Delonix Regia pods shell (flame tree)" *Asian. Jour. Chem and Pharm. Research* .Vol 2 Issue (2), september (2014), 145-151.
  14. A.Rajappa, K.Ramesh, V.Nandhakumar. Adsorption of Bismarck Brown - R Dye from Aqueous Solution onto Activated Carbon Prepared from Delonix Regia Pods shell (Flame Tree), *Inter. Jour. Chem. Pharm. Sciences*. Vol. 2(9), september (2014) 1127-1136.
  15. V.Roopa, K. Ramesh , A.Rajappa and V. Nandhakumar, "Equilibrium and isotherm studies on the adsorption of rhodamine B onto activated carbon prepared from the barks of *Erythrina indica*" *Int.J.Curr.Res.Chem.Pharma.Sci*.1(2): (2014) , 23-29.
  16. B.Amudha, K. Ramesh, A. Rajappa, V.Roopa, A.Rajathi and V. Nandhakumar, "Kinetics of adsorption of Methylene Blue onto activated carbon prepared from

Adina Cardifolia Hook” Int.J.Curr.Res.Chem.Pharma.Sci.1 Vol.5 (2014), ):01-06.

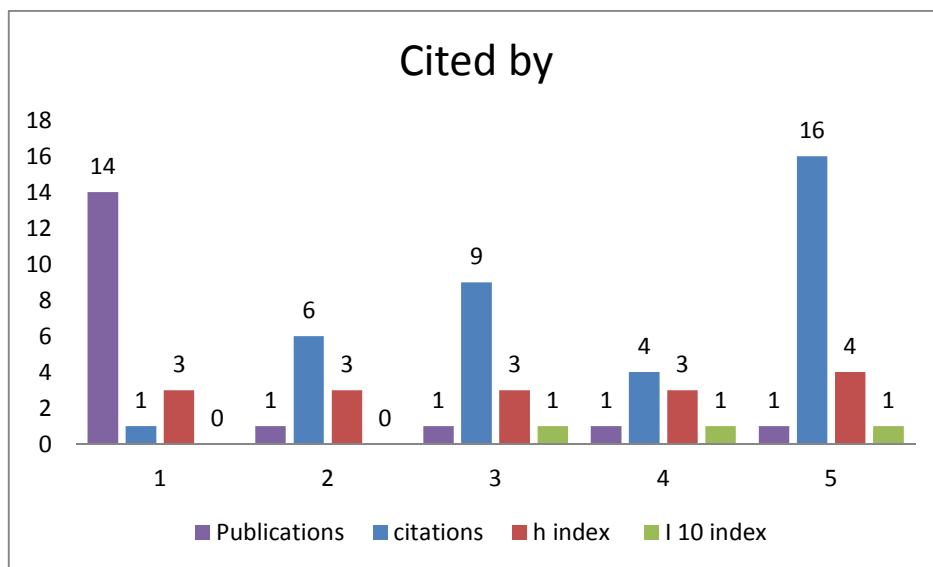
17. V.Roopaa, K Ramesh, A Rajappa and V Nandhakumar “ Kinetics studies of adsorption adsorption of Rhodamine B dye onto activated carbon prepared from the barks of *Erythrina indica*” Asian Journal of Physics Vol. 23, No 6 (2014), 1063-1068.
18. V. Nandhakumar, B. Amudha, V. Roopa, M. Pugazhenthii and K. Ramesh “Adsorption dynamics of Manganese (II) ion onto activated carbon prepared from the wood of *Adina cordifolia hook*” Int. J. Curr.Res.Chem.Pharma.Sci. 2(4): (2015):68-73.

#### POSTERS AND PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL LEVEL

S. No.	Year	Title of the paper	Name of the conference	Venue
1.	2012	Kinetics of adsorption of Methylene blue dye onto activated carbon	State level seminar on Recent trends in Chemistry and Bio - chemistry	A.V.V.M Sri Pushpam College, Poondi.
2.	2014	Kinetics studies of adsorption adsorption of Rhodamine B dye onto activated carbon prepared from the barks of <i>Erythrina indica</i>	National Seminar on recent Trends in Smart Materials	Kings College of Engineering, Punalkulam. Thanjavur.
3	2014	Kinetics studies of adsorption adsorption of Rhodamine B dye onto activated carbon prepared from the barks of <i>Erythrina indica</i>	National Seminar on recent Trends in Smart Materials	Kings College of Engineering, Punalkulam. Thanjavur.

#### CITATION INDICES DETAILS

<b>Publications</b>	<b>: 18</b>
<b>In Journals</b>	<b>: 18</b>
<b>In Conferences</b>	<b>: 03</b>
<b>Citations</b>	<b>: 36</b>
<b>h-index</b>	<b>: 04</b>
<b>i10-index</b>	<b>: 01</b>
<b>Cumulative Impact factor</b>	<b>:</b>



## TRAINING PROGRAMME

### Orientation Course (UGC Sponsored)

**Place : BHARATHIDASAN UNIVERSITY**

**Duration : 23/08/2017 - 19/09/2017 (28 DAYS)**

### Refresher Course in Environmental science (UGC Sponsored)

**Place :**

**Duration :**

### Refresher Course in Chemistry (UGC Sponsored)

**Place :**

**Duration :**

## TEACHING EXPERIENCE FROM 1993 TO TILL DATE

**Total Teaching Experience : 13.5 YEARS**

**Under Graduate : 13.5 YEARS**

**Post Graduate : 2 YEARS**

## PERSONAL DETAILS

**Name** : Dr. K. RAMESH  
**Gender** : MALE  
**Date of Birth** : 04/05/1982  
**Age** : 36  
**Place of Birth** : THIRUVAIYAR  
**Marriatal Status** : MARRIED  
**Residential Address** : 2/445, NARAYANAN NAGAR,  
NACHİYARKOVIL 612 602.  
KUMBAKONAM - TK  
THANJAVUR - DT  
**Official Address** : POOMPUHAR COLLEGE (AUTONOMOUS)  
MELAIYUR - 609 107.  
**Email** : [rameshchem82@gmail.com](mailto:rameshchem82@gmail.com) / kr2467@gmail.com  
**Web** :