

**Dr. R. Veeraraghavan, M.Sc., M.Phil., M.Ed., Ph.D.,**  
Associate Professor & Head,  
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**Residence:**

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Dated: 28-09-2016

**PROFILE WITH SERVICE PARTICULARS**

- 1. Name of the staff** : Dr. R. VEERARAGHAVAN
- 2. Designation** : ASSOCIATE PROFESSOR OF CHEMISTRY
- 3. Age & Date of Birth** : 54 Yrs 4 months ; 25-05-1962
- 4. Educational Qualification:**

Sl.No.	Degree	Month & Year	Name of the University	Class/Grade
1.	B.Sc. (Chemistry)	Mar. 1982	University of Madras	First Class
2.	M.Sc (Chemistry)	Mar. 1984	University of Madras	Grade-A (First Class)
3.	M.Phil. (Chemistry) (Part-time Study)	Mar.1992	Bharathidasan University	First Class (86.4%)
4.	Ph.D (Chemistry) (Part-time Study)	Jan. 2002	Pondicherry University	Highly Commended by all the examiners
5.	M.Ed. (Correspondence)	Mar. 1989	Annamalai University	First Class

- 6. Date of award of Ph.D** : 25-01-2002

- 7. Title of the Ph.D Thesis** : “Spectrophotometric investigations of the solvent and structural effect on the formation and rate of reaction of electron donor-acceptor complexes of aromatic amines with chloranil and bromanil”

- 8. Date of joining the collegiate service** : 10-01-1986
- 9. Date of regular appointment** : 10-01-1986
- 10. Date of completion of probation** : 10-01-1988
- 11. Date of placement in Senior Scale** : 10-01-1993
- 12. Date of placement in Selection Grade** : 27-07-1998
- 13. Teaching Experience** : 30 Yrs 9 months (UG level)
- 14. Institution presently employed:** Arignar Anna Govt. Arts & Science College, Karaikal.
- 15. Institutions worked earlier** : (i) AAGAC, KARAIKAL  
(ii) B.G.C.W, PONDICHERRY  
(iii) M.G.G.A.C, MAHE  
(iv) B.G.C.W, PONDICHERRY

**16. Research Experience / Project Works undertaken / Other Achievements:**

- a. M.Sc. project work on Vector Control carried out at Vector Control Research Centre, Pondicherry
- b. M.Phil. project work on Pollution control carried out at Central Pollution Control Board, Pondicherry
- c. Ph.D research work (part-time) carried out on the topic "Spectral Studies on EDA complexes of p-chloranil and p-bromanil with aromatic amines" at K.M.C.P.G.S, Pondicherry which is highly commended by all the examiners.
- d. M.Phil. project work guided for chemistry students under Periyar University.
- e. Acted as co-guide for M.Phil.(chemistry) students of SCSVMV University.
- f. Post-doctoral research work being carried out on the ultimate products of chloranil and bromanil with substituted aromatic amines, the dye products of the reaction of chloranil with N,N-dimethyl aniline and diphenyl amine, evolution of a novel "Charge-transfer theory of indicators", usage of the chloranil and bromanil dye products as indicators, fluorimetric studies, etc.
- g. Examiner for many M.Phil. Viva examination conducted at K.M.C.P.G.S, Puducherry.
- h. Examiner for Ph.D. synopsis submission at SCSVMV University, Kanchipuram.
- i. Member of Board of Studies in CHEMISTRY for SCSVMV University, Kanchipuram.

- j. Question paper setter for B.Sc., M.Sc., and M.Phil. examinations in chemistry for SCSVMV University, Kanchipuram.

## 17. PUBLICATIONS IN INTERNATIONAL JOURNALS:

### **Published:**

Research paper entitled "A study of the structure-related interactions in the formation of EDA complexes of chloranil with ring substituted aromatic amines" in the International Journal "Bulletin of Pure and Applied Sciences", Vol.21C (No.2), 2002, p.111-117

### **Communicated:**

- i. Research paper entitled "Spectral and Thermodynamic properties of EDA complexes through Solvatochromic Studies"- Communicated to the journal "Asian Chemistry Letters"
- ii. Research paper entitled "Studies on the Structural Effect and Correlation Analysis on the complexes of chloranil with substituted anilines"- Communicated to the journal "Turkish Journal of Chemistry"
- iii. Research paper entitled "Spectral investigation of structure-reactivity relationship on EDA complexes of p-bromanil with ring substituted anilines"\_ Communicated to the journal "Bulletin of Pure & Applied Sciences"

### **Under Preparation:**

- i. Research paper entitled "Spectrophotometric Studies on the medium and structural effects and the kinetics of molecular complexes of chloranil"- to be communicated to "Journal of Chemical Research"
- ii. Research paper entitled "Studies on the ultimate dye product of the reaction of chloranil with N,N-dimethyl aniline and diphenylamine -- Evolution of a novel theory on the colour of indicators".

### **Plan for Future Work:**

- i. Study on the usage of charge-transfer dye products as indicators
- ii. Fluorimetric studies with EDA complexes and their products.
- iii. Application of EDA complexes as fluorescence indicators.

**18. Conferences / Seminars / Symposia / Workshops attended / conducted:**

- i. Oral presentation of the research paper entitled "Solvatochromic Studies on EDA complexes of p-bromanil with Aniline" in II National Conference on Spectrophysics at Chennai from Aug.9-11, 2000
- iii. Oral presentation of the research paper entitled "Solvent-Reactivity relationship through spectral investigation of EDA complexes" in National Conference on Recent Advances in Materials Science, at Tiruchirapalli from Sep.27-30, 2000.
- iv. Oral presentation of the research paper entitled "Structure-Reactivity relationship through spectral studies on EDA complexes of p-CHL and p-BRL with Aromatic Amines" in the National Symposium on Metallo-Organic Chelates and Recent Advances in Chemistry, at Presidency College, Chennai from 9-10<sup>th</sup> Feb.2001.
- v. Oral presentation of the research paper entitled "A study of the influence of N-substituents in the EDA complexation of Aniline with p-Chloranil and p-Bromanil" in the National Conference on Recent Advances in Materials Science, at Tiruchirappalli from 11-12<sup>th</sup> Dec. 2002
- vi. Oral presentation of the research paper entitled "Spectral investigation of solvent effect in the formation of EDA complexes of p-Bromanil with aniline" in the National Conference on Recent Advances in Materials Science, at Tiruchirappalli from 11-12<sup>th</sup> Dec. 2002.
- vii. Research paper entitled "A spectral Study on the Effect of Solvents in the Formation of EDA complexes of Chloranil with Aniline" presented in the International Conference, INCONS, Pachayappa's College, Chennai, from Feb.9 – 12, 2005.
- viii. NAAC sponsored State Level Workshop on "Re-engineering Higher Education Towards Excellence" conducted by Bharathidasan Govt. College for Women, Puducherry during 18<sup>th</sup> & 19<sup>th</sup> March 2005.
- ix. Three Days Workshop on "UV-VIS-NIR, FTIR and Emission Spectroscopy" organized by Central Instrumentation Facility, Pondicherry University from 27-02-2008 to 29-02-2008.
- x. DST & PU sponsored WORKSHOP ON GREEN CHEMISTRY "Greening the chemistry curriculum" held in Department of Chemistry, Pondicherry University during 7<sup>th</sup> & 8<sup>th</sup> March, 2008.

- xi. UGC sponsored National Conference on “Landscaping Tertiary Education for a Sustainable Knowledge Society” organized by Bharathidasan Govt. College for women, Puducherry, held on 3<sup>rd</sup> & 4<sup>th</sup> May 2008.
- xii. UGC National Seminar on “National Knowledge Commission’s Report & its Implications on Higher Education” organized by Kanchi Mamunivar Centre for P.G. Studies, Puducherry on 26<sup>th</sup> and 27<sup>th</sup> July 2008.
- xiii. International Conference on “Green Energy Technologies: Challenges in Research and Human Resource Development”, organized by Pondicherry University, Puducherry from 23<sup>rd</sup> to 25<sup>th</sup> March 2010.
- xiv. Workshop on the “Guidelines for discontinuation of dissection and animal experimentation in Zoology / Life Sciences in a phased manner” conducted by Dept. of Zoology, Bharathidasan Govt. College for Women, Puducherry.
- xv. U.G.C Sponsored National Workshop on Research Methodology – “Confluence of Researching Minds” Organized by Bharathidasan Govt. College for Women, in collaboration with the Directorate of Economics and Statistics, Govt. of Puducherry during 27<sup>th</sup> to 29<sup>th</sup> Sep.2012.
- xvi. UGC sponsored National Workshop on “Role of Universities and Colleges in Human Resource Development – Beyond Curriculum” organized by KMCPGS, Puducherry and Dept.of Commerce, Pondicherry University on 6<sup>th</sup> Sep. 2013.
- xvii. **Co-ordinator** for the National Seminar on “Recent Trends in Chemistry Education and Career” conducted in the Department of Chemistry, B.G.C.W, Puducherry in October 2015.

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