

Name : Dr. Mrs. J. HELEN RATNA MONICA

Designation : Associate Professor & Bursar

Department : Chemistry

Date of Joining : 06/12/95

Phone with Extn. No : 0452-2530070, Extn: 304

Email : jhrmonica@yahoo.com



Educational Qualification:

Degree	Subject	College / University & Place	Year Completed
Ph.D	Chemistry	M.K.University, Madurai	2008
M.Phil	Chemistry	V.O.C. College, Tuticorin	1989-1990
M.Sc	Chemistry	Thiagarajar College, Madurai	1987-1989
B.Sc	Chemistry	J.A. College, Periakulam	1984-1987

Specialisation in Teaching: Physical Chemistry, Photo Chemistry.

Specialisation in Research: Photo-Physical chemistry

Research Interest: Photochemistry, Photo-biology & electrochemistry

Research Project: UGC (minor)

Study of Excited State Electron Transfer Reactions of RU(II) Complexes in Micro Heterogeneous System (1998-2000)

M.Phil Thesis: Claisen Rearrangement of Aryl Propargyl Ethers

Ph.D Thesis: Redox Reactions of Metal Complexes in Organized Media

Other Work Experience:

Designation	Institution / Company	Year - From (month/year) To (month/year)
Lecturer	A.P.C. Mahalakshmi College, Tuticorin	June 1994-Dec 1995
Lecturer	V.O.C.College, Tuticorin	Nov 1992-June 1994
Lecturer	P.M.T.College, Usilampatti	June 1990-May 1992

Administrative /Academic Position/s (held / currently holding):

Positions held / currently holding	Year - From (month/year) To month/year)
Bursar	Sep 2013- till date

Membership in Professional Bodies:

1. J.A. College for Women, Periakulam. Board of studies member.
2. Thiagarajar College of Arts & Science, Board of studies member.

Editorial Board:

- a) Human Rights Journal, IMRF Publications
- b) Social Science Journal, IMRF Publications
- c) Proceedings – Research in Social & Women Studies,
International Conference on Women Empowerment & Social Sciences-
2015, ISBN 978-93-84124-33-5

Convenor & Organiser

1. Faculty Development Programme as Co-Convenor & Organiser
Date: 20th to 22nd November 2013, AIACHE, Kodaikanal, Madurai.
2. International conference on women empowerment & social sciences. Convener,
05.03.2015- 07.03.2015. The American College, Madurai

Publications:

Books:

1. Photo /Electrochemistry & Photobiology in the Environment , Energy and Fuel,2006:
169-206 ISBN:81-308-0122-1
2. The use of melanin as metal ion scavengers
J.Helen Ratna Monica^{1*},S.RamKumar¹,S.Rooban Edwin Sahar³,Menaka² **ISBN:**
978-81-928661-2-3
3. Biomedical applications of functionalized chitosan derivatives **ISBOC10**
Mukesh, M.; Murali,A.C.; SivaSubramani,M.; Monica, H.R.J.*; Karthick Kumar,K.*
4. Covalently functionalized Graphene and its application in the field of
biomedical sciences. **ISBOC10**
Siva Subramani,M.; Murali,A.C.; Mukesh,M.; Monica,H.R.J.*; Karthik Kumar,K.*

Articles published in National Journals:

- ‘A biometric model of the electron transfer in photosystem II- Photoinduced electron transfer reactions of ruthenium (II) – polypyridine complexes with phenols’, Research Signpost, A biomimetic model of electron transfer in photosystem II – Photoinduced electron transfer reactions of ruthenium(II)-polypyridine complexes with phenols, 2006: 169-206. E. Rajkumar, P. Thanasekaran, K. Swarnalatha, T. Rajendiran, J.Helen Ratna Monica¹, S.Rajagopal¹,

Conference / Seminar Presentations:

- 1 Presented a paper in the CSIR and UGC sponsored CRSI Seminar on Recent Advances in Chemistry organized by the Dept. Of Chemistry, Annamalai University, March 10 - 11, 2006.
- 2 Presented a paper at the National seminar on Recent Advances in Nanoscience and Technology organized by the Dept. Of Chemistry. Periyar University, September 29 - 30, 2005.
- 3 National Seminar on Nano structured Materials and Applications NSNMA -2011 Organized by: Department of Physical Chemistry, Madurai Kamaraj University, March 04 -05 2011
- 4 CRSI Seminar on Recent Advances in Chemistry organized by the Department of chemistry, Annamalai University , Annamalai Nagar, March 10-11 2006
- 5 Hydro (Solvo) Thermal syntheses and application organized by: Manonmaniam Sundaranar University, Tirunelveli, 24-25 January 2002
- 6 Recent Advances in Nano Science and Technology (RANSAT-2005) organized by the Department of chemistry, Periyar University , Salem, 29th& 30th September 2005
7. Recent Trends in Chemistry organized by: Department of Chemistry, Fatima College, Madurai, 20th December 2001

Other Activities / Academic Credentials:

National Workshop:

1. Application of Nano Particels , Materials & Sensors organized by the Post Graduate and Research Department of Chemistry, The American College , Madurai, Date: December 7th and 8th 2012
2. DAE-BRNS Theme Meeting on Materials Chemistry TMMC -2012
Held at: UGC-DAE CSR, Kalpakkam Node, Kalpakkam, February 13-15 2012

National Symposium:

1. National Symposium on Frontier Areas in Chemistry –II (NSFAC-II) organized by: Department of Chemistry ,The American College, January 27th &28th 2014
2. National Symposium on Green Chemistry organized by Madurai Kamaraj University

International Conference/ Workshop:

1. Conference of presidents/ Principals and Senior Leaders of christian colleges and Universities around the world at d'Village Resort, Melaka, Malaysia
Organized by: IAPCHE (USA) Malaysia, 1-4 November 2014
2. International conference on strategic planning and resource development workshop, central university of Hong Kong, Hong Kong
3. Overseas Study Cum Immersion Programme organized by The Ministry of Education of Singapore and Department of Tamil, The American College, Madurai, 11th to 23rd November 2013