

Sub.: Faculty details for College Website - Regarding

1. Name : Dr. MARY VERGHEESE.T
2. Designation : Assistant Professor
3. Educational Qualification : M.Sc.,M.Ed., M.Phil(Edu).,Ph.D
4. Courses taught at MCC : Chemistry (UG & PG),
Value Education (UG),
Soft skill (PG)
5. Administrative Experience, if any, in MCC:
 - Member of the Admissions Committee, MCC.
 - Member of the Scholarship Committee, MCC.
 - Member of the Planning and Development Committee, MCC.
 - Member of the School of Continuing Education, MCC
 - Member of the Convocation Committee, MCC
 - Vice President, Chemical Society, Department of Chemistry, MCC
 - Co-ordinator, DBT- Star College Scheme ,Department of chemistry.
 - SWAWSA Secretary(2014-16).
 - M.Phil Co-ordinator (2015-16), Department of Chemistry
6. Orientation and Refresher Courses Attended: 01 Orientation ,01 Refresher Course
7. Papers presented in National & International Seminars / Conferences
 - **Presented** a paper at “Chennai Nanogathering 2017”National Conference on Nanomaterials and Nanobiotechnology, February 7th-8th, 2017,Chemical Sciences, Auditorium,Univ,of Madras, Guindy Campus,Chennai on “Green Synthesis of Novel Zinc Oxide Nanoparticle using Leaf Extract of *Gymnema Sylvestre*R.Br. and It’s Application Towards Photocatalytic Activity and Antidiabetic Activity”
 - **Presented** a paper at “Chennai Nanogathering 2017”.National Conference on Nanomaterials and Nanobiotechnology, February 7th-8th, 2017,ChemicalSciences, Auditorium,Univ,of Madras, Guindy Campus, Chennai on “Green Synthesis of Novel Zinc Oxide Nanoparticle using Leaf Extract of *Gymnema Sylvestre*R.Br. and it’s Application towards Photocatalytic Activity and Antidiabetic Activity”.
 - **Presented** a paper “ Environmentally benign Synthesis of Magnesium Oxide Nanoparticle and its Characterization” at the 3rd National Conference on “ The concepts of Green Chemistry at, The Department of Chemistry, Valliammai Engeneering College, Chennai on the 25th of March 2017.

- **Presented** a paper on "Online Teaching Learning and its Evaluation" at the National Conference on "Recent reforms in Indian Education" March 27, 2017 at St. Mary's College of Education and Research Institute, Chengalpettu, Tamilnadu.
- **Presented** a paper on Physico Chemical Study on the Quality of Surface Water of Kolavai lake in Kanchipuram District, Tamilnadu - Before and after the 2015 Floods at the **International Conference** on "Frontier areas in Chemical technologies". Department of Chemistry, Alagappa University 21-23rd March 2016.
- **Presented** a paper on Physico Chemical Study on the Quality of Surface Water of Kolavai lake in Kanchipuram District, Tamilnadu - Before and after the 2015 Floods at the National Conference on "Recent Trends in Applied Chemistry" (NCRTAC – 2016) at the Department of Chemistry, Easwari Engineering College, 4th May 2016.
- **Presented a paper on** "Green synthesis of Zinc Oxide nanoparticles and its Photocatalytic application towards Degradation of Organic dyes" at the National Conference on Green Chemistry and its sustainable Environment (GCSE) at the Department of Chemistry, BS. Abdur Rahman University, 2-3 Aug 2016.
- **Presented a paper on** "One pot green synthesis of zinc oxide nanoparticles and its application towards photocatalytic degradation of organic dyes" at the National Conference on Green Chemistry and its sustainable Environment (GCSE) at the Department of Chemistry, BS. Abdur Rahman University, 2-3 Aug 2016.
- **Presented** a paper on Fabrication of Copper Nanoparticle using *Catharanthus Roseus* by Green synthesis, in the 2nd **National Seminar** on the concepts of Green Chemistry (NSCGC'15) at the Department of Chemistry, Valliammai Engineering College, SRM University, 18th April 2015.
- **Presented** a paper on "Phyllanthus Emblica (AMLA) extract mediated Green Synthesis of Copper Nanoparticle" in the **National Seminar**- Recent trends in organic synthesis and Chemical Biology at the Department of Chemistry, Annamalai University, 9th & 10th Oct 2015.
- **Presented** a paper on Surface Water quality analysis of Thennari, Poosivakkam, Uthiramerur and Kolavai lakes in Kancheepuram district in the National seminar on environmental monitoring: Issues and challenges by the

department of Geography ,Tourism and Travel management,MCC on the 9th of feb 2011

- **Presented** a paper on the Surface Water quality analysis of Kadaperi lake in Kancheepuram district in the UGC sponsored National Seminar on Chemistry Current Focus by the department of chemistry Madras Christian college,2010. **(Received the Best paper award and cash award**
- **Presented** a paper entitled “ Recognition of DOPAMINE using Copper-dendrimer nanocomposite electrode ” in the International conference Frontiers in Chemical Sciences October 2-4, 2008,Madras Christian College Chennai, Tamilnadu.

8. Publications & Books Authored

- a. **Materials Chemistry and Physics**, 2004, VOL.83, Pages 229 – 238. *Title: Evaluation of Monolayers and Mixed Monolayers Formed from Mercaptobenzothiazole and Decanethiol as sensing Platforms.*
- b. **Journal of Electroanalytical Chemistry**, 2004, Vol 570, Pages 35 – 46. *Title: Bio-inspired recognition of dopamine versus ascorbic acid.*
- c. **ElectroChimica Acta**, 2006, Vol. 52, Pages 567 – 574 *Title: Selective NO reduction using Blue Ferrocenyl Cation.*
- d. **Analytical & Bioanalytical Chemistry**,2008, 390,p939–946, Electrochemical Preparation of Copper dendrimer nanocomposite: Picomolar detection of Cu²⁺ions.
- e. Fabrication of Copper Nanoparticle using Catharanthus Roseus by Green synthesis and its antibacterial Activity, **International Journal of Pharma and Biosciences** **2015** 4 (4) p287-295.
- f. A study on the problems faced by Non Resident Undergraduate and Post Graduate students of Madras Christian College who travel to college by Government Bus, **Journal of Management and Science** ,2015,Vol II, p 37-39
- g. Physico Chemical study on the quality of surface water of kondangi lake in kanchipuram district, Tamilnadu before and after 2015 flash floods. **International Journal of Scientific Research and Modern Education** 2016 p 153-160, Special Edition.

9. Resource Person in Conferences/Workshops etc.

- As a **Resource person** for the National Conference on “Recent reforms in Indian Education” at the St. Marys College of Education and Research Institute at conducted by March 27, 2017
- As a **Resource person** for the training programme conducted by the Institute of Advanced study in Education, Saidapet, for the B.Ed students, January 2014. Topic: Emotions & leadership
- . As a **Resource person** for the training programme conducted by the Institute of Advanced study in Education, Saidapet, for the B.Ed students, Feb 10, 2015. Topic: communication
- As a **Resource person** in the Tamilnadu govt–District level science skit, conducted at the Carmel School, Tambaram East, 2014
- As a **resource person** for the training programme conducted by the Institute of Advanced study in Education, Saidapet, for the B.Ed students, Feb 2013. Topic: Self- Motivation & Communication
- As a **resource person** for the NSS programme conducted by MCC at Govt High School, Agaram, March 2013, Topic: Blue Gold.
- As a **Resource person** in the kendriya Vidyalaya–state level science exhibition, conducted at the Kendriya vidyalaya, tambaram, 2012.
- .As a resource person for the training programme for PG students conducted by the Placement cell, Madras Christian college, 2011

10. Recognition as Research Supervisor for M.Phil. and Ph.D : M.Phil Supervisor

11. Other Distinctions

As a **Chairperson** in the Seminar on “Developing New Curriculum-2017” conducted by the **State Council of Educational Research and Training (SCERT)** at Anna University, Chennai on the 22nd of July 2017.

12. Recent Passport size photograph

