



## **Dr.P.Yokeswari Nithya**

Assistant Professor,

Department of Chemistry,

A.P.C.Mahalaxmi College for Women, Thoothukudi

**Email:** [yokeswarinihthya@gmail.com](mailto:yokeswarinihthya@gmail.com)

**Date of Joining** : 01.02.2013

**Education** : M.Sc, M.Phil.,Ph.D.,B.A(Hindi),Dip (Hindi).

**Specialization** : Phyto Chemistry

## **Education & Credentials**

<b>Degree</b>	<b>College / University</b>	<b>Specialization</b>	<b>Year</b>
<b>Ph.D</b>	Manonmaniam Sundaranar University,Tirunelveli	Phyto Chemistry	2017
<b>M.Phil</b>	Adhitanar College of Arts and science, Tiruchendur	Chemistry	2009
<b>M.Sc</b>	V.O.C.College, Thoothukudi	Chemistry	2007
<b>B.Sc</b>	A.P. C. Mahalaxmi college for women, Thoothukudi	Chemistry	2005

## **Conferences / Seminars / Workshops Attended**

- National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 7<sup>th</sup> August, 2013. Sponsored by A.P.C. Mahalaxmi College for Women, Thoothukudi.
- National Seminar on “Marine Conservation” at A.P.C.Mahalaxmi College,Thoothukudi on 18<sup>th</sup> September, 2013. A.P.C. Mahalaxmi College for Women, Thoothukudi.

- National Conference on “Modern trends in Science & Communication” at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7<sup>th</sup> May 2014. Sponsored by Department of Science & Humanities, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.

### **National Level**

- ✚ National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 7<sup>th</sup> August, 2013. Sponsored by A.P.C. Mahalaxmi College for Women, Thoothukudi.
- ✚ National Seminar on “Emerging Trends in Graph Theory and Fuzzy Mathematics” at A.P.C. Mahalaxmi College, Thoothukudi on 6<sup>th</sup> September, 2013. A.P.C. Mahalaxmi College for Women, Thoothukudi.
- ✚ National Seminar on “Marine Conservation” at A.P.C. Mahalaxmi College, Thoothukudi on 18<sup>th</sup> September, 2013. A.P.C. Mahalaxmi College for Women, Thoothukudi.
- ✚ National Conference on “Modern trends in Science & Communication” at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7<sup>th</sup> May 2014. Sponsored by Department of Science & Humanities, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.
- ✚ National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 27<sup>th</sup> August, 2014.
- ✚ UGC Sponsored National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 4<sup>th</sup> & 5<sup>th</sup> February 2015.
- ✚ UGC Sponsored National Seminar on “Plant genetic resources: utilization and conservation” at V.O.C College, Thoothukudi on 12<sup>th</sup> & 13<sup>th</sup> February 2015.
- ✚ Colloquium on “Department of Atomic Energy in the services of Society” held on 6<sup>th</sup> April 2015 organized by Heavy Water Plant, Thoothukudi.
- ✚ Science academics of India IASc, INSA & NASI sponsored lecture workshop on Recent Advances in chemistry (RAC-2016) organized by VOC college Thoothukudi on 26<sup>th</sup> and 27<sup>th</sup> February 2016
- ✚ National Seminar , Department of Zoology A.P.C. Mahalaxmi College for Women, Thoothukudi on 23<sup>rd</sup> August, 2016.
- ✚ National Seminar on University VOC college of Engineering, Thoothukudi on 24<sup>th</sup> February, 2017.

- ✚ National Seminar, Department of Maths, A.P.C. Mahalaxmi College for Women, Thoothukudi on 28<sup>th</sup> February, 2017.

## **Theses / Dissertations**

**Title:** “Evaluation of Phytochemical Profile and Pharmacological activities of *Catharanthus pusillus*(MURR.) G Don.( Apocynaceae)” under the guidance of Dr. Mary Jelastin Kala, Associate Professor, Department of Chemistry, St. Xaviers College, Palayamkottai, Tirunelveli. and Co -guide Dr. V. R. Mohan, Associate Professor, Department of Botany V.O.C. College, Thoothukudi.

**M.Phil Thesis:** “Synthesis, Potentiometric studies of Schiff base ligands derived from sulphaguanidine, 5- bromosalicylaldehyde and biological evaluation of the metal complexes of some drug substances" under the guidance of Dr.P.K.Ganesan, Associate Professor, Department of PG Chemistry, Aditanar College of Arts and Science,Tiruchendur.

### **Project**

**Completed UGC funded minor research project entitled “Bioactive potential of *Catharanthus pusillus* G. DON (APOCYANACEAE) – an Ethnomedicinal Plant”.**

## **Papers Presented in Conferences / Seminars**

### **International Level**

- ✚ International Conference at Department of Chemistry, St. Xavier’s college tirunelveli in “Recent advances in materials and its applications on 16<sup>th</sup> December 2015.
- ✚ International Seminar on “New vistas in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 28<sup>th</sup>December, 2017.
- ✚ 2<sup>nd</sup> International Seminar on “Materials science and Technology” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 23<sup>rd</sup> February, 2018.
- ✚ Participated and Paper presented entitled “Synthesis, Characterization and Electrochemical behaviour of Metal Oxide Nanoparticles from Cressa Cretica Whole Plant” in International conference on Advanced Materials and their

Applications(ICAMA) held at Department of Chemistry, V.O.Chidambaram ,Thoothukudi on 27<sup>th</sup> December,2018.

- ✚ Participated and Paper presented entitled “Synthesis, Characterization Schiff Base ligands & its metal complexes” in International conference on Advanced Materials and their Applications(ICAMA) held at Department of Chemistry, V.O.Chidambaram ,Thoothukudi on 27<sup>th</sup> December,2018

### **National Level**

- ✚ National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 7<sup>th</sup> August, 2013. Sponsored by A.P.C. Mahalaxmi College for Women, Thoothukudi.
- ✚ National Seminar on “Emerging Trends in Graph Theory and Fuzzy Mathematics” at A.P.C.Mahalaxmi College,Thoothukudi on 6<sup>th</sup> September, 2013. A.P.C. Mahalaxmi College for Women, Thoothukudi.
- ✚ National Seminar on “Marine Conservation” at A.P.C.Mahalaxmi College,Thoothukudi on 18<sup>th</sup> September, 2013. A.P.C. Mahalaxmi College for Women, Thoothukudi.
- ✚ National Conference on “Modern trends in Science & Communication” at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7<sup>th</sup> May 2014. Sponsored by Department of Science & Humanities, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.
- ✚ National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 27<sup>th</sup> August, 2014.
- ✚ UGC Sponsored National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 4<sup>th</sup> & 5<sup>th</sup> February 2015.
- ✚ UGC Sponsored National Seminar on “Plant genetic resources: utilization and conservation” at V.O.C College, Thoothukudi on 12<sup>th</sup> & 13<sup>th</sup> February 2015.
- ✚ Science academics of India IASc, INSA & NASI sponsored lecture workshop on Recent Advances in chemistry (RAC-2016) organized by VOC college Thoothukudi on 26<sup>th</sup> and 27<sup>th</sup> February 2016.

- ✚ Participated in the One day State level seminar on “E-Commerce security challenges and solutions” at A.P.C Mahalaxmi College, Thoothukudi. on 16<sup>th</sup> October 2017.
- ✚ Poster for “The Acid Sea” in National Seminar on “Marine Conservation” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 18<sup>th</sup> May 2013.
- ✚ “Preliminary chemical screening of *Naringi craenulata* in National Conference on “ Modern trends in Science & Communication” Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7<sup>th</sup> May 2014.
- ✚ Presented a paper on “Hepatoprotective activity of *Sonerila tinneveli*ensis Fischer(Melastomataceae) ”in a national seminar on “Recent Developments in Chemistry (RDC’ 14)”at Sadakathullah appa college, Tirunelveli on 20.8.2014.
- ✚ Presented a paper on Antiinflammatory activity of *Catharanthus pusillus*(Murr.)G.Don (Apocynaceae ) in an international seminar on “” at St.Xavier’s College,Palayamkottai, Tirunelveli .
- ✚ Presented a paper on preparation and photocatalytic activity of Zinc oxide nanoparticles assisted by *Cressa critica* in international seminar on “IFERP” organized by the department of Computerscience ” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 14<sup>th</sup>&15<sup>th</sup> December 2017.
- ✚ Presented a paper on Synthesis and characterization of iron oxide nanoparticles from *Catharanthus pusillus*(Murr.) G.Don(Apocynaceae) plant extract in International conference on recent trends in multi disciplinary research organized by V.O.Chidambaram College on 19<sup>th</sup> & 20<sup>th</sup> April,2018.

## Workshop

- ❖ Workshop on “Recent Advances in Chemistry (RAC-2016)” – Science Academies of India, in V.O.C College, Tuticorin.
- ❖ Workshop on “Current Innovations & Development in Life Science” organized by the Department of Zoology at APC Mahalaxmi College for Women, Thoothukudi on 14 & 15<sup>th</sup> March 2018.

- ❖ Workshop on “save chemicals save environments” organized by the Department of Chemistry at APC Mahalaxmi College for Women, Thoothukudi on 19<sup>th</sup> Sep 2018.

## Proceedings

- + “Preliminary chemical screening of *Naringi craenulata*” in National Conference on “Modern trends in Science & Communication” Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7<sup>th</sup> May 2014.
- + In vitro antioxidant potential of Ethanol Extract of *Pedaliium murex* ( Pedaliaceae) in UGC sponsored National Seminar on “ Plant genetics resources: Utilization and conservation” at V.O.C.college , Thoothukudi 12<sup>th</sup> and 13<sup>th</sup> February 2015.
- + In vitro antioxidant potential of Ethanol Extract of *Cressa cretica* L. (Convolvulaceae) ) in UGC sponsored National Seminar on “Current trends in Chemistry-CTC-2015” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 4<sup>th</sup> and 5<sup>th</sup> February 2015.
- + Phytochemical investigation of *Pedaliium murex* ( Pedaliaceae) in international seminar on “IFERP” organized by the department of Computerscience at A.P.C. Mahalaxmi College for Women, Thoothukudi on 14<sup>th</sup> & 15<sup>th</sup> December 2017.
- + Quantitative determination of essential trace element content in the leaf and bark of medicinal plant *Naringi crenulata* in international seminar on “IFERP” organized by the department of Computerscience ” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 14<sup>th</sup>&15<sup>th</sup> December 2017.
- + Preparation and photocatalytic activity of Zinc oxide nanoparticles assisted by *Cressa critica* in international seminar on “IFERP” organized by the department of Computerscience ” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 14<sup>th</sup>&15<sup>th</sup> December 2017.
- + Synthesis and characterization of iron oxide nanoparticles from *Catharanthus pusillus*(Murr.) G.Don(Apocynaceae) plant extract in International conference on recent trends in multi disciplinary research organized by V.O.Chidambaram College on 19<sup>th</sup> & 20<sup>th</sup> April,2018.
- + Preparation and Photocatalytic activity of zinc oxide nanoparticles assisted by *Cressa critica* in International conference on Recent Advancement in Information Technology,Science& Engineering at APC Mahalaxmi College for Women, Thoothukudi on 14 & 15<sup>th</sup> December 2017.

## Paper Publications

- Anti inflammatory activity of whole plant of *Sonerila tinneveli* Fischer (Melastomataceae) . International journal of Pharmacological research Volume 3 Issue 4 (2013) 74-76.
- Anti inflammatory activity of whole plant of *Asystasia travancorica* Bedd (Melastomataceae). *International Journal of Biomedical And Advance Research* 155-156
- Evaluation of total phenolic, flavonoid contents and in vitro antioxidant properties of *Sonerila tinneveli* Fischer (Melastomataceae) World journal of Pharmacy and Pharmaceutical sciences Volume 3 , issue-6 2115-2127.
- Evaluation of hepatoprotective and antioxidant activity of *Sonerila tinneveli* Fischer (Melastomataceae) whole plant – CCl<sub>4</sub> induced hepatotoxicity in rats, International Journal of Advances in Pharmacy, Biology and Chemistry, Volume 3(3), July – September, 2014.
- P.Y.Nithya , S.M.Jelastin Kala and V. R. Mohan .2016. Evaluation of total phenolics, flavonoid contents and *in-vitro* antioxidant properties of *Catharanthus pusillus* (Apocynaceae) International Journal of Pharmaceutical Sciences and Research, 7(7): 3021-3027.
- Yokeswari Nithya, P Mary Jelastin Kala, S Mohan, V.R . 2016. Isolation, Purification and Characterization of (R)- Petranine from *Catharanthus pusillus* (Murr.) G.Don (Apocynaceae) International Journal of Science and Research, 5 (7), 1040-1044.
- Mohan V R, Yokeswari Nithya, P Mary Jelastin, Kala S. 2016. Antiinflammatory Activity of Whole Plant of *Catharanthus pusillus* (Apocynaceae) International Journal of Toxicological and Pharmacological Research . 8(3); 194-196.
- Yokeswari Nithya, P Mary Jelastin, Kala, Mohan V R 2018. Assesment of Bioactive constituents by GCMS of *Catharanthus pusillus* (Murr.) G.Don (Apocynaceae). International journal of creative research and thoughts. 6(3). 604-612.

- Yokeswari Nithya, P Mary Jelastin, Kala, Mohan V R 2018. Isolation, Purification and Characterization of 3-B-acetyl oleanolinic acid from *Catharanthus pusillus*(Murr.) G.Don(Apocynaceae).The Saudi journal of life sciences.3(3) 243-247.
- Kalaiarasi.S, Gurulakshmi.P Yokeswari Nithya.P,2017. Synthesis, Characterization and application of metal oxide nanoparticles from *Cressa Cretica* whole plant.International journal of science ,Engineering and Management.Volume2,Issue 12 ,281-285.
- Ananthi P , Yokeswari Nithya P, Mary Jelastin, Kala S, Pharmacological & photocatalytic degradation studies of synthesized silver nanoparticles using *Trimfetta rotundifolia* Plant extract.2019. Journal of Emerging Technologies Research.volume 6 ,issue 3,30-37..
- Yokeswari Nithya P, Ananthi P, Shanmuga Priya D,2019, Synthesis, Characterization & biological activities of Schiff Base ligands & its metal complexes. International Journal of advance scientific research and management, Special issue 4, 77-81.

## Other Activities:

 Student Council Incharge.