

**IDHAYA COLLEGE FOR WOMEN**  
**AROCKIA NAGAR, SARUGANI, SIVAGANGA DIST- 630 411**

**FACULTY PROFILE**

**Department: Biochemistry**

1. **Name** : Dr.S.USHARANI
2. **Father's name** : M.SAMINATHAN
3. **Educational Qualification** : M.Sc., M.Phil. Ph.D.,
4. **Designation** : **Assistant Professor & Head**  
Department of Biochemistry  
Idhaya College for Women, Sarugani,  
Sivagangai Dt-.630 411.
5. **Teaching Experience** : 3 Years
6. **Date of Birth** : 05.05.1987
7. **Gender** : Female
8. **Address for Communication (Res)** : 2/933 Sastri Nagar,  
2<sup>nd</sup> Street, Kottaimedu Road,  
Madurai.
- Phone No.** : 9843072187
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9. **Area of Specialization** : Metabolism, Clinical biochemistry, Enzymes and  
Molecular biology, Endocrinology,  
Pharmaceutical biochemistry

**10. Publications:**

S. No.	Title	Name of the Journal	Volume / Issue/ Page Number	Year
1.	Effect of Green Tea Extract on Mitochondrial Enzymes and II-6	Journal of Cell and Tissue Research	Vol 10(3): 2379-2384	2010
2.	Modification of protocol for isolation and purification of genomic DNA	IJESM	Vol 2(2): 235- 247	2013
3.	GC-MS Analysis of Methanol Extract of Leaf of <i>Wattakaka Volubilis</i>	Int. Res J Pharm. App Sci.	Vol 3(4):161- 165	2013

4.	Biopotential activity of a rare medicinal plant - <i>Wattakaka volubilis</i> leaf	International Journal of PharmTech Research	Vol 6 (5): 1584-1588	2014
5.	Hepatoprotective Effect of <i>Wattakaka volubilis</i> Extract on Aluminium Sulphate Induced Liver Toxicity	International Journal of Pharmaceutical Sciences and Drug Research	Vol 6(2): 169-173.	2014
6.	<i>In vitro</i> free radical scavenging activity of <i>Wattakaka volubilis</i> leaf extract	Journal of Chemical and Pharmaceutical Research,	Vol 7(7):616-62.	2015
7.	Study of <i>Wattakaka volubilis</i> on tissue lipids and antioxidants in aluminum sulphate exposed rats.	International Journal of Pharmaceutical Sciences Review and Research.	Vol 36(2), 203-208	2016
8.	Invitro cytotoxicity effect of methanol extract of <i>Wattakaka volubilis</i> against breast cancer cell line	International journal of advanced research	Vol 3,10,1-16	2016
9.	Efficacy of <i>Wattakaka volubilis</i> against aluminium induced liver toxicity	International journal of pharmacy and pharmaceutical sciences	Vol 10,2,	2018
10.	Invivo antioxidant and modulating enzymes of <i>Wattakaka volubilis</i> and <i>kaempferol</i> against aluminium sulphate induced liver toxicity	<i>Research journal of pharmaceutical technology</i>	Vol 11,(7)	2018
11	Quantitative determination of quercetin in <i>Wattakaka volubilis</i> by <i>hptlc</i> techniques	International Journal Of Chem Tech Research	Vol 11,6,99-107	2018
12	Hepatoprotective potential of green tea extract against mercury chloride induced Hepatotoxicity in adult wistar rats	World Journal Of Pharmaceutical Research	Vol 8,8 ,1-9	2019
13	Synthesis of silver nanoparticles using orange peel extract and their antibacterial activity	World Journal Of Pharmaceutical Research	Vol 15,8	2019

#### 11. Seminars /Conferences /Workshops Organized:

1. Organizing Secretary for the Two days International Seminar on **Recent Research trends in Bio Sciences** “organized by the Department of Biochemistry, Idhaya College for Women, Sarugani on 20 & 21<sup>st</sup> July 2016.
2. Convener for the Two Days National Seminar on “**New Advancement in Chemical & Biochemical Science** organized by the Department of Biochemistry, Idhaya College for Women, Sarugani on 26 & 27<sup>th</sup> July 2018.
3. Convener for the One Day National Conference on ” **Recent Trends in Chemical Biology & Therapeutics** organized by the Department of Biochemistry, Idhaya College for Women, Sarugani on 09<sup>th</sup> August 2019.

## **12. Seminars / Conferences / Workshops Attended:**

1. National conference on Natural resources and Human Health. Enathi Rajappa College, Pattukkottai. 2012.
2. National conference on Advance in the Management and Prevention of clinical disorders due to Malnutrition. Rajah Serfoji Government College, Thanjavur.2013.
3. State level seminar on Emerging trends in Bioscience and future prospectors- Maruthu pandiyar College, Thanjavur. 2014.
4. Workshop on Molecular techniques Sengamala Thayaar Educational Trust Women’s College, Mannargudi. 2014.
5. State level seminar on Recent Advance in Biochemistry, Rabiammal Ahamed Maideen College for Women, Thiruvarur. 2014.

## **Paper presentation**

1. National conference on Recent advances in herbal drug research sustainable health care. “Effect of Herbinsul-Plus on Streptocin induced Diabetic Rats Periyar Maniyammai University, Thanjavur. 2013.
2. National conference on Advances in modern biology and environment- Effect of *Polyalthia Longifolia* on Nephrotoxicity against Streptozotocin induced Diabetic Rats H.H The Rajah’s govt college Pudukkottai., Feb 7- 8 2013.
3. National conference on Phytochemicals in medicinal plants and food “Phytochemical Analysis of methanol Leaf Extract of *Wattakaka Volubilis* using UV- VIS & FT-IR”. Bharathidasan University Constituent College for women OrathaNadu July 31- 2015.
4. National conference on Recent advances in herbal drug research sustainable health care. Effect of Herbinsul-plus on Streptocin induced Diabetic Rats Periyar Maniyammai University, Thanjavur.2013.

5. National conference on Advances in modern biology and environment- Effect of *PolyalthiaLonngifolia* on Nephrotoxicity against Streptozocin induced Diabetic Rats.H.H The Rajah'sGOVT college Pudukkottai., Feb 7-8 2013
6. National conference on Phytochemicals in medicinal plants and food 'Phytochemical Analysis of methonal Leaf Extract of WattakakaVolubilisusnif UV-VIS & FT-IR". BharathidasanUniernity Constituent College for women Oratha Nadu July 31-2015
7. Oral presentation in One Day National Seminar on **Awareness on pathogen carriage, preention and personal health promotion among rural adolescent learners of higher education on 28<sup>th</sup> July 2017**.M.r.Government College,Mannargudi.
8. Participated in International Workshop on **Biochemical & Bioinformatics Techniques on 5<sup>TH</sup>** September 2017. Shrimati Indira Gandhi College, Tiruchirappalli.
9. Oral Presentation in International Seminar **On Microbes Microbial Processes and Products** on 122th September 2017.S.T.E.T.WOMEN'S College, Mannargudi.
10. Oral Presentation in National Seminar on **Herbal Drug Development on 22<sup>nd</sup> September 2017**.S.T.E.T.Womens'S College, Mannargudi.
11. Participated in **Science Academies Lecture workshop on Current Scenario in life Sciences on 12<sup>th</sup> October 2017**.S.T.E.T.Womens'S College, Mannargudi.
12. Oral presentation in National seminar on **Modern Trends in Chemistry on 20<sup>th</sup> December 2017**.S.T.E.T.Women's College, Mannargudi.
13. Participaed in National Seminar on **Current Perspectives in Biological Sciences on 24<sup>th</sup> January 2018**.RabiammalahamedMaideen College For Women, Tiruvarur.
14. Participated in National conference on **Interdisciplinary Research and Innovations in Biosciences. 24<sup>th</sup>&25<sup>th</sup> January** Mohamed Sathak College of Arts & Science, Chennai.
15. Oral presentation in National Conference on **Phytochemicals in Medicinal plants and Foods on 1<sup>st</sup> February 2018** .Bharathidasan University Constituent College for Women, Orathanadu.
16. Oral presentation in International Seminar on **Novel in Environmental issues and Protection on 15<sup>th</sup> &16<sup>th</sup>Feruary 2018**.Marathupandiar College, Thanjavur.
17. Oral presentation in National Seminar on **Current perspectives and Challenges in Biological Science o 6<sup>th</sup> March 2018** . Rajah Serfoji Government College, Thanjavur.
18. National seminar on new advancedment in chemical and biochemical science "Anticancer potential of kaempferol in HEPG-2 hepato cellular carcinoma cancer cell lines"july 26&27 2018.
19. National conference on ADVANCED BIO CHEM DEVELOPMENT "Antifertility activity of puniga granatum on endosulfan induced in fertility in rats" Amaravathypudur-18.09.2018.

20. International conference on cancer inferno and its prevention strategies “Synthesis of silver nanoparticles using orange peel extracts and their anticancer activity”, PERIYAR EVR College, Trichy. 22.02.2019
21. National conference on space astronomy and nanomaterials “Synthesis of silver nanoparticles using orange peel extracts analyzing FTIR and anticancer activity” Idhaya college for women, sarugani. 11.02.2019,

**Poster presentation:**

1. UGC-Sponsored National and seminar on Clinical Research “Anti hyper LIPPIDEMICA ACTIVITY OF *Wattakakavolubilis* against nalminiumsulphate induced in liver toxicity.” St. Joseph College, Trichy. 2014
2. UGC-Sponsored National and seminar on Clinical Research “ Oral cancer” St. Joseph College, Trichy. 2014

**PG Dissertations completed under my Guidance (Total = 4)**

1. **T. Priyanga 2017** . Phytochemical Analysis of HPTLC and Antimicrobial activity of *Gymnema sylvestrea* M.Sc., Dissertation, submitted Alagappa University, Karaikudi.
2. **C. Christin Babiola Rani 2017**. Comparative study of Phytochemical Screening , In vitro Antioxidant and anticancer potential of 3 & 4 sides stems of *Cissus Quadrangularis*. L.M.Sc., Dissertation, submitted Alagappa University, Karaikudi.
3. **S. Rajalakshmi 2019** . **Synthesis of Silver nanoparticles from** Peel extract of *Punica granatum* and evaluation of the in vitro antidiabetic activity and FT-IR, GC-MS analysis. M.Sc., Dissertation, submitted Alagappa University, Karaikudi.
4. **B. Ruba Devi 2019**. Synthesis of Silver Nano particles from Citrus Sinesis Peel Extract And Antibacterial Activity And FT-IR analysis. M.Sc., Dissertation, submitted Alagappa University, Karaikudi.