



ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

Accredited by the NAAC with 'B' Grade
Vaniyambadi – Tamil Nadu

DEPARTMENT OF BIOCHEMISTRY

STAFF'S ACHIEVEMENTS

S. Aruna, M.Sc., M.Phil., SET

NATIONAL & INTERNATIONAL LEVEL SEMINARS/CONFERENCES-ATTENDED

[1] **Nanomedicine and stress management**, Marudhar Kesari Jain College For Women, Vaniyambadi ,25.09.2010.

[2] **New Perspective in Biotechnology in Human Welfare, oral paper presentation** with topic “**CRISPER Technology in Gene correction**”, PG Research department of Biotechnology, Islamiah college (Autonomous), Vaniyambadi , 1st March 2015.

[3] **Cancer Today-07**, ISBN-Inter Society of Biochemistry & Nutrition, DKM college for women, Vellore, 19th February, 2007.

[4] **Renal disorders-08**, ISBN-Inter Society of Biochemistry & Nutrition, DKM college for women, Vellore, 19th February, 2008.

[5] **Emerging Trends in Bioscience**, Department of Biotechnology & Biochemistry Marudhar Kesari Jain College, Vaniyambadi, 25th January. 2012.

[6] **Recent Approaches in Renal Disease and Marine Biosources**, Department of Biochemistry, Sacred Heart's college (Autonomous), Tirupattur, 12th September 2014.

[7] **Emerging Trends in Biological and Environmental Sciences ETBS-2015 on “Emerging Trends in Biological and Environmental Sciences**, PG & Research Department of Biochemistry & Department of Microbiology KMG College of Arts & Science, Gudiyattam, 10th September, 2015.

[8] Nanomedicine and Phytotherapy Current scenario and Future Prospects, PG & Research Department of Biochemistry, Islamiah college(Autonomous), Vaniyambadi, 11th March 2015 to 12th March 2015.

[9] Clinical Disorders & Monoclonal Antibodies, Department of Biotechnology & Biochemistry & Nutrition, Marudhar Kesari Jain College, 1st October 2015.

FACULTY DEVELOPMENT PROGRAMME - ATTENDED

[1] National Level Faculty Development Programme, Internal Quality Assurance Cell [IQAC], K.M.G. College of Arts & Science, Gudiyattam, Vellore, 08-06-2020 & 09-06-2020.

[2] ICT Tools for E-Content Development, Department of Computer Science and the Internal Quality Assurance Cell (IQAC), Women's Christian College, Chennai held on 26th and 29th May 2020.

[3] Outcome based Education & Digital Teaching and Learning, Internal Quality Assurance Cell(IQAC), Islamiah College(Autonomous), Vaniyambadi, held on 14.06.2020.

[4] Cell Designer, Department of Biochemistry, Auxilium College(Autonomous), Vellore, in association with the Spoken Tutorial Project, by IIT, Bombay, funded by National Mission on Educational through ICT, MHRD, Govt. of India held from 25/05/2020 to 31/05/2020.

[5] On learning Management System (MOODLE), Sacred Heart College (Autonomous), Thirupattur ,03.06.2020 to 05.06.2020.

NATIONAL & INTERNATIONAL LEVEL WEBINARS/WORKSHOPS-ATTENDED

[1] Recent Advances in Life Science, PG & Research Department of Biotechnology and Biochemistry, Marudhar Kesari Jain College For Women, Vaniyambadi, 10.06.2020 and 11.06.2020.

[2] New Disease Outbreaks, Institute of Innovation, Thiruvanamalai , held on 30.05.2020.

[3] DNA Bar-coding, Department of Biotechnology, Islamiah college (Autonomus), Vaniyambadi, 22.05.2020 to 24.05.2020.

[4] **Advanced Bioinformatics, Biological Database and Genomics**”,Department of Biochemistry, Islamiah college(Autonomus), Vaniyambadi, 11.01.2020.

[5] **Training cum Workshop for Non-Biology College Teachers on Environmental Science**, Loyola Institute of Frontier energy (LIFE), Loyola College (Autonomous), Chennai held from 6th September. 2004 to 11th September 2004.

[6] **All India Association for Christian Higher Education (AIACHE) on Human values Development**, St.Christopher College of Education, Chennai, held on 3rd July 2015.

[7] **Institutional Quality sustenance through NAAC Accreditation & NIRF- Motivation and measures**, Regional Joint Directorate of Collegiate Education, Vellore Region held on 10th November. 2017.

SHORT TERM COURSE/ORIENTATION PROGRAM - ATTENDED

[1] **Best Practices in Teaching and Mentoring**, Centre for Honing Academic Skills, Islamiah college (Autonomous), Vaniyambadi, 8th April 2012.

[2] **Education Quality Enhancement through ICT**, Internal Quality Assurance Cell (IQAC) Islamiah college (Autonomous), Vaniyambadi, 5th March 2016.

[3] **How to teach effectively**, Centre for Academic Leadership and Educational Management (CALEM) under the scheme of Pandit Madan Mohan Malaviya National Mission (PMMMMNMTT), MHRD Govt of India.

[4] **Online Teaching Training Programme**, CALEM, MHRD, Aligarh Muslim University, from 25th April 2020 to 01 May 2020.

ONLINE COURSES - ATTENDED

[1] **Pandemic Influenza Vaccines: National Deployment and Vaccination Plans**”, World Health Organization held on 20.04.2020.

[2] **Immunization, Wash, Non Communicable Diseases, Digital Transformation of Indian Education, Food Fortification, Infant and Child feeding, Anaemia, Physical Activity (Yoga), Basic Nutrition, etc**, Poshan Abhiyan, Ministry of women and child development, Govt. of India and ICMR.

D.Sudha, M.Sc., M.Phil., B.Ed.,

NATIONAL & INTERNATIONAL LEVEL SEMINARS/CONFERENCES-ATTENDED

[1] **Recent Approaches in Renal Disease and Marine BioSource**, Department of Biochemistry, Sacred Heart College (Autonomous), Tirupattur, 12th September 2014.

[2] **Nano medicine And Phototherapy Current Scenario And Future Prospects**, Islamiah college (autonomous) Vaniyambadi, 11&12 March 2015

[3] **Natural Products In Health & Diseases**, Sacred Heart College, Tirupattur, 21th Sep 2015.

[4] **Emerging Trends In Mammalian Cell Culture**, Islamiah College (Autonomous) Vaniyambadi, 28th Jan-2016

[5] **Nano medicine And Stress Management**, Marudhar Kesari Jain College For Women Vaniyambadi

FACULTY DEVELOPMENT PROGRAMME - ATTENDED

[1] **IQAC – FDP Series**, Dr.R.V Arts and Science College Karamadai, Coimbatore, 14.5.2020 to 16.05.2020.

NATIONAL & INTERNATIONAL LEVEL WEBINARS/WORKSHOPS -ATTENDED

[1] **Advance Bioinformatics, Biological Database and Genomics**, Islamiah college (Autonomous) Vaniyambadi, 11 January 2020

[2] **Recent Advances in Life Science**, PG & Research department of Biotechnology and Biochemistry, Marudhar Kesari Jain College For Women Vaniyambadi, 19.06.2020 to 20.06.2020

[3] **Emerging Trends in Energy and Environmental Chemistry**, Department of Chemistry, Marudhar Kesari Jain College For Women Vaniyambadi, 25.06.2020 to 27.06.2020.

[4] **Use of online resources in teaching - learning process**, Department of Chemistry, Uka Tarsadia University, Gujarat, through youtube channel of Uka Tarsadia University. Dr Ajay Semalty, University SWAYAM Coordinator; HNB Garhwal University (A Central University), Srinagar Garhwal, 20.05.2020.

ORIENTATION COURSE/TRAINING PROGRAM - ATTENDED

[1] **How to teach effectively** organized by Centre for Academic Leadership and Educational Management (CALEM) under the scheme of Pandit Madan Mohan Malaviya National Mission (PMMMMNMTT), MHRD Govt of India.

Dr. M. Suganya, M.Sc., M.Phil., Ph.D.

FACULTY DEVELOPMENT PROGRAMME –ATTENDED

[1] **Future of Examination:Bloom’s Taxonomy and Multiple Assessment Tools**, G.T.N. Arts college (Autonomous) Dindigul, 08 June 2020

[2] **Outcome Based Education &Digital Teaching and Learning**, Internal Quality Assurance Cell (IQAC) Islamiah college (Autonomous) , Vaniyambadi on 14.06.20

[3] **All that you wanted about Internet of things**, Mohamed sathak hamid college of arts and science for women, Karaikudi, 24.06.2020 to 26.06.2020.

NATIONAL & INTERNATIONAL LEVEL –WEBINARS/WORKSHOPS-ATTENDED

[1] **DNA Barcoding**, Department of Biotechnology, Islamiah College (Autonomous), 22 to 24 May,2020.

[2] **Role of Diet on Immunity**, Department of Biochemistry, Sls.mavam ayira vaisyar college, Madurai, 15 June, 2020.

[3] **Recent Advances in life science**, Marudhar Kesari Jain College for Women, Vaniyambadi, 19 June 2020 to 20 June 2020.

[4]**Emerging Trends in Energy and Environmental Chemistry**, Department of Chemistry, Marudhuar kesari Jain college for women , Vaniyambadi, 25 to 27 June, 2020.

[5] **The Future Technologies**, PG & Research Deaprtment of CS& CA, Adhiyaman arts and science college for women , Krishangiri, 26 and 27 June, 2020.

[6] **Healthy Lifestyle**, Department of Nutrition, food service management and dietetics, Marudhuar Kesari Jain College for women , Vaniyambadi, 03 June, 2020.

SHORT TERM COURSE/ORIETATION PROGRAM - ATTENDED

[1] **Online Teaching Training Programme**, CALEM, MHRD, Alligarh Muslim University
from 25th April 2020 to 01 May 2020.

S.Geetha, M.Sc.

FACULTY DEVELOPMENT PROGRAMME –ATTENDED

[1] **Sensitation on Intellectual Property Rights**, Internal Quality Assurance Cell (IQAC), Chevalier T. Thomas Elizabeth College For Women, Perambur, Chennai-11, 10.06.2020 to 11.06.2020.

[2] **Outcome Based Education & Digital Teaching And Learning**, Internal Quality Assurance Cell (IQAC), Islamiah College (Autonomous), Vaniyambadi on 14.06.2020.

[3] **E-Platform for Online Learning**, Department of Commerce (Accounting & Finance) & Department of Business Administration, Prince Shri Venkateshwara Arts And Science College, Gowrivakkam . Chennai -600073. 22 June, 2020.

[4] **Google Apps**, Department of Science and Internal Quality Assurance Cell (IQAC), on 29.05.2020 and 30.05.2020, Christ College of Science and Management, Malur, Karnataka.

NATIONAL & INTERNATIONAL LEVEL WEBINARS/WORKSHOPS-ATTENDED

[1] **MICROBIOME – Perceptions and Perspectives**, Biotechnika Info Labs pvt Ltd on 27 June 2020.

[2] **MOODLE: Online Teaching Management Tool**, Department of Management Science , Dr.Babasaheb Ambedkar Marathwada University, 18 June, 2020.

[3] **Forensics by SOC** organized by Counselling Chennai, 18.06.2020.

[4] **DNA Barcoding**, Department of Biotechnology, Islamiah College (Autonomous), 22 TO 24 May, 2020.

[5] **The Role of Life Science in Health Care**, PG and Research Department of Biochemistry, Biotechnology and Nutrition,FSM & Dietetics Marudhar Kesari Jain College For Women Marudhar Nagar, Chinnakalupalli, Vaniyambadi – 635751, 24 February, 2018.

[6] **Nanomedicine and Stress Management**, PG and Research Department of Biochemistry, Biotechnology and Nutrition, FSM & Dietetics Marudhar Kesari Jain College For Women Marudhar Nagar, Chinnakalupalli, Vaniyambadi – 635751, 25 September, 2018.

[7] **Recent Advances in Life Science**, PG & research department of Biotechnology and Biochemistry, Marudhar Kesari Jain College For Women, Vaniyambadi, 19 June 2020 to 20 June 2020.

[8] **Emerging Trends in Energy and Environmental Chemistry**, Department of Chemistry, Marudhar Kesari Jain College For Women, Vaniyambadi, 25 June to 27 June 2020.

[9] **Role of Diet on Immunity**, Department of Biochemistry ,SLS. Mavmm.Ayira Vaisyar College, Madurai, 15.06.2020.

[10] **Impact of airborne fungi bacterial endotoxin exposure and respiratory infections**”, Department of Zoology, M.S.S. Wakf Board College, Madurai, 15.06.2020.

SHORT TERM COURSE/TRAINING PROGRAM-ATTENDED

[1] **Online Teaching Training Programme**, CALEM, MHRD, Alligarh Muslim University, from 25th April 2020 to 01 May 2020.

Dr. J. Preethi, M.Sc., M.Phil., Ph.D.

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PAPER PUBLICATIONS

[1] **S-allyl cysteine as potent anti-gout drug: Insight into the xanthine oxidase inhibition and antiinflammatory activity**. Biochimie, Vol. 154, 1-9 (IF-3.362)

[2] **Anti-gout effect of Cardiospermum halicacabum through antioxidant and xanthine oxidase inhibition property**. Journal of Pharmacognosy and Phytochemistry 7(2): 1300-1304 (RJIF-5.52)

[3] **Rapid biosynthesis of Bauhinia variegata flower extract-mediated silver nanoparticles: an effective antioxidant scavenger and α -amylase inhibitor**. Artificial cells, Nanomedicine and Biotechnology, 46 (7), 1488-1494 (IF-4.462)

[4]**Plant extract as environmental-friendly green catalyst for the reduction of hexavalent chromium in tannery effluent.** Environmental Technology, 39 (11), 1376-1383 (IF-1.918)

[5]**Anti-acne, antidandruff and anti-breast cancer efficacy of green synthesized silver nanoparticles using Coriandrum sativum leaf extract.** Journal of Photochemistry & Photobiology, B: Biology, No:163,69-76 (IF-4.064)

[6] **Hepatoprotective and Antioxidant Role of Ziziphus jujuba Leaves on Paracetamol Induced Hepatic Rats.** Journal of Diseases and Medicine 2(1-1): 1-10. Photobiology, B: Biology 163, 69–76. (IF-4.067)

NATIONAL & INTERNATIONAL LEVEL SEMINARS/ CONFERENCES-ATTENDED

[1]**Anti-inflammatory effect of s-allyl cysteine against monosodium urate crystal-induced gout in rat** on International conference on Biosciences & Bioinformatics (ICBB-2017), Organized by the Department of Biochemistry, Biotechnology, Microbial Biotechnology and Bioinformatics. Bharathiar University, Coimbatore, Tamil Nadu, India, 14 TO 16 December, 2017.

[2] **Hexavalent chromium reduction by *Coriandrum sativum*: Mechanism elucidation** on New Horizon of Nanotechnology in Bioscience- 2016 (NHNBS-2016), Department of Biochemistry, Periyar University, Salem, Tamil Nadu, India, 07 and 08 January, 2016.

[3] **Recent advances in microbial technology for renewable energy, bioremediation, health and sustainable agriculture (RAMT for REBHSA-2018)**, Department of Microbiology, School of Biosciences, at Periyar University, Salem, Tamil Nadu, India, 24 to 25 January, 2018.

[4] **New Horizons in Plant Biotechnology (NHPB-2017)**, Department of Biotechnology, School of Biosciences, at Periyar University, Salem, Tamil Nadu, India, 06 December, 2017.

[5]**Perspectives in Modern Biology**, Department of Zoology at Periyar University, Salem, Tamil Nadu, India, 02 September, 2016.

[6]**Experimental therapeutics and Clinical Research**, Department of Biochemistry, Periyar University, Salem, Tamil Nadu, 24 February, 2016.

[7] **Trends in Protein Engineering**, Department of Zoology, Periyar University, Salem, Tamil Nadu, 21 November, 2013.

[8] **Integrative Bioscience Research Opportunities and Challenges**, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu, 10 and 11 February, 2013.

NATIONAL & INTERNATIONAL LEVEL WEBINARS/WORKSHOPS-ATTENDED

[1] **RAPD and PCR Techniques**, Department of Biochemistry, Periyar University, Salem, Tamil Nadu, 16 and 17 February, 2016.

[2] **Scholarly Research Publications: Writing, Citations and Plagiarism (RPCP- 16)**, Department of Library and Information Science, Periyar University, Salem, Tamil Nadu, India, 01 February, 2016.

[3] **Exploratory Analysis of Biological Data using R-Programme**, School of Biosciences, Periyar University, Salem, Tamil Nadu, 17 December, 2015.

SHORT TERM COURSE/ORIENTATION PROGRAM -ATTENDED

[1] **Online Teaching Training Programme**, CALEM, MHRD, Aligarh Muslim University, from 25th April 2020 to 1st May 2020