

The American College, Madurai
FACULTY PROFILE
 (For IQAC)

Name : Mrs. A. Helen Febial
 Designation : Assistant Professor
 Department : Biochemistry
 Date of Joining : 04/09/2018
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I. Education Qualification:

| Degree | Subject | College/University & Place | Year Completed |
|--------|---------------|--|----------------|
| B.Sc | Biochemistry | Ambiga College of Arts and Science, Madurai | March 2002 |
| M.Sc | Biochemistry | V.V. Vanniaperumal College for Women, Viruthunagar | March 2004 |
| M.Phil | Biochemistry | Bharathidasan University, Thiruchirapalli | March 2005 |
| SET | Life Sciences | Mother Teresa Women's University, Kodaikanal | March 2018 |

Specialization in Research:

- M.Sc Project: Sequence analysis and Structural prediction of *Ras* Gene in Homo Sapiens using Bioinformatics tool.
- M.Phil Project: Antimicrobial activity and Phytochemical Studies of Medicinal Plant *Helicteres isora*. L

Work Experience:

| Designation | Institution / Company | Year – From (month/year) To (month/year) |
|---------------------|---|--|
| Lecturer | Holy Cross Home Science College, Tuticorin. | 6 months (June 2007 – Oct 2007) |
| Assistant Professor | The American College | 5 Years & 7 months (Sep 2018 –Till Date) |

Research activities of the student under guide ship

| Title | M. Phil / M.Sc/ B.Sc | Please tick if it is collaborative |
|--|----------------------------|---------------------------------------|
| Analysis of Phytochemicals and Antibacterial Activity of Justicia Adhatoda & Morinda Dinctoria | B.Sc | - |
| Phytochemical studies and Antibacterial activity of Withania somnifera | B.Sc | - |
| Phytochemical Analysis And Antibacterial Activity Of Terminalia Arjunaroxb Extracts Against Pathogenic Bacteria | B.Sc | - |
| Comparative study on Phytochemical screening and Antibacterial activity of Nyctanthus arbortristis and Ichnocarpus frutescens extracts against pathogenic bacteria | B.Sc | - |
| The effect of Sargassum wightii manure on Trigonellafoenum-graecum (L) (Fenugreek) plants | B.Sc | - |

Specialization in Teaching:

- Bio molecules
- Enzymes
- Biochemical techniques
- Metabolism
- Clinical biochemistry
- Molecular Biology
- Plant Biochemistry

Conference/ Seminar/ Workshop/ Webinar

- ❖ Participated National Level Conference on 'Threats and conservation CRTC-2019' organized by PG & Research Department of Zoology, The American College, Madurai on 12 February 2019
- ❖ Participated National Level Conference on 'Recent Trends in Modern Immunology' organized by Department of Immunology & Microbioloy, The American College, Madurai on 23 February 2019
- ❖ Participated National Level Conference on 'Recent Trends in Biological Sciences' Organized by PG & Research Department of Zoology, The American College, Madurai on 3 February 2020
- ❖ Participated Webinar on " Women at Risk Blossom " organised by Ladies Club of The American College, Madurai on 9 June 2020.

- ❖ Participated Two days International Webinar on ‘Research Avenues in Biochemistry’ Organized by Department of Biochemistry, The American College, Madurai on 11 & 12 June 2020.
- ❖ Participated Webinar on " Self Awareness and Social Responsibility During COVID 19 Pandemic" organized by the Ladies Club of The American College, Madurai on 13 June 2020.
- ❖ Participated Three Days International Technical Webinar on ‘Advancements in Biotechnology’ Organized by The Department of Biotechnology, St. Joseph College of Engineering & Technology, OMR, Chennai on 22-24 June 2020
- ❖ Participated Three Days International Webinar on ‘COVID-19 pandemic ‘ organized by Institute of Bioinformatics (IOB) on 23rd-25th June 2020.
- ❖ Participated National Level Web conference on ‘Life sciences’ organized by Department of Microbiology, K.R. College of Arts & Science, Kovilpatti on 29 June 2020
- ❖ Participated International Webinar on "The Yin & Yang of Viruses", Center for Research in infectious Diseases organized by School of Chemical & Biotechnology, SASTRA Deemed University, Thanjavur on 1 July 2020
- ❖ Participated International Webinar on "What did we learn from the Genomes of SARS -CoV-2 Isolates?" organized by Center for Research in infectious Diseases, School of Chemical & Biotechnology, SASTRA Deemed University, Thanjavur on 2 July 2020
- ❖ Participated Three Days International Webinar on ‘Forensic Science For Society’ organized by the Department of Forensic Science, G .T. N. Arts College (Autonomous), Dindigul on 3, 4 & 5 July 2020.
- ❖ Participated International Webinar on " Comparative Genomics of Pseudomonas aeruginosa ocular isolates from Keratitis Patients" organized by Center for Research in infectious Diseases, School of Chemical & Biotechnology, SASTRA Deemed University, Thanjavur on 6 July 2020
- ❖ Participated International Webinar on " Impact of Multidrug Resistance in Burn Injuries" Center for Research in infectious Diseases, organized by School of Chemical & Biotechnology, SASTRA Deemed University, Thanjavur , 8 July 2020
- ❖ Participated Three Days Faculty Development Programme on ‘ Responsibilities of Microbiologists in Combating Pandemic Diseases’ Organized by the Department of Microbiology, K.S. Rangasamy College of Arts & Science, Tiruchengode on 8, 9 & 10 July 2020.
- ❖ Coordinator, Peer Group discussion on Basic Concepts in Biochemistry organized by the department of Biochemistry, The American College, Madurai collaboration with V. V. Vanniaperumal College for women on 27 August 2021.

- ❖ Mentor, Young student scientist programme organized by the American College, Madurai on 20 May to 3 June 2022.
- ❖ Participated Innovative Approaches in Life Sciences, Organized by the Department of Biochemistry, The American College, Madurai on 24 & 25 March 2023.
- ❖ Participated Two days Workshop on 'Single Cell Omics' organized by Aravind Medical Research Foundation, Madurai on 12 & 13 October 2023.