

**Name: S. Ahil Rishi Rajasekaran**

Designation: **Assistant Professor**

Department: **Biotechnology**

Address: **Satellite Campus, The American College, Madurai.**

**Date of Joining: 16-08-2022**

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### **Academic Credentials**

<b>Qualification</b>	<b>Institution</b>	<b>Board</b>	<b>Year of passing</b>
National Eligibility Test	Council for Scientific and Industrial Research	Council for Scientific and Industrial Research, Government of India.	June 2022 <b>(All India Rank – 59)</b>
M.Sc. Microbiology	The American College, Madurai	Madurai Kamaraj University	2022
B.Sc. Microbiology	The American College, Madurai	Madurai Kamaraj University	2020
ISC	Jeevana School, Madurai	Council for The Indian School Certificate Examinations	2017
ICSE	Jeevana School, Madurai	Council for The Indian School Certificate Examinations	2015

### **Post Graduate Research Project (Microbiology)**

Research project titled ‘A comparative study of behaviour of Escherichia coli and Vibrio cholerae in two lentic systems in Madurai district’

## **Work Experience**

1. Assistant Professor in the Department of Biotechnology, The American College, Madurai since 2022.
2. Guest Faculty in B.Voc. Horticulture Department, The American College since 2021.
3. Part time volunteer in Ring of Hope project in the Aravind Eye Care System during 2017-19. Worked with the Ocular oncology team, aiming to prevent the loss of life and the loss of vision, caused by Retinoblastoma. My works included
  - Clinical data management, organizing events for retinoblastoma survivors and their family. My work was also extended to Clinical Management of Ocular Lymphoma patients.
  - Validation of the smartphone-based leukocoria detection application for early detection of retinoblastoma.
  - Visual outcome post chemotherapy in bilateral retinoblastoma cases (A retrospective study).
3. Part time marketing intern in Readabit lending library, Madurai for a duration of 15 days in the Madurai Book Expo, 2018.

## **Skills and Hands on Trainings**

1. Completed training on Gas Chromatography – Mass Spectrum, Fermentor, Cyclic Voltmeter, ELISA reader, EBM, UV, PL in Heber Analytical Instrumentation Facility, Bishop Heber College, Tiruchirapalli, Tamil Nadu, India.
2. Attended ‘Animal Cell Culture Techniques’ hands on workshop on 2<sup>nd</sup> October 2019, conducted by Scigen research and innovation institute.
3. Attended ‘DNA amplification by polymerase chain reaction (PCR), hands on workshop on 1, 2 November 2021.
4. Attended one day workshop on ‘Art and Science of Methodical Scientific Writing and Publishing in a High Impact Journal’ conducted by IQAC and office of the Dean Research, The American College, Madurai on 6 March, 2023.

## Conference Presentations

1. Won the Best Poster Award for the poster ‘Screening of blood candidemia among cervical and breast cancer patients’ in the National conference on Advanced Bio Chem Development – 2018 organized by Sri Sarada Niketan College for Women, Karaikudi, Tamil Nadu, India.
2. Presented a paper titled ‘A comparative study of behaviour of *Escherichia coli* and *Vibrio cholerae* in two lentic systems in Madurai district’ in the International Conference on Novel Paradigms in Microbiology for Sustainable Future, organized by Department of Microbiology, The American College, Madurai, India on 10,11 November 2022.
3. Presented a poster titled ‘Retroviral mediated germline therapy – a promising tool to fight’ in the SERB and ISCA sponsored International Conference on Impact of Innovations in Science and Technology for Societal Development (IISTSD-2019) jointly organized by Kongunadu Arts and Science College and Faculty of Technology, Mahasarakham University, Thailand on 19– 21 September 2019.
4. Presented a poster titled “Impact of Environmental Pollution on Ocular diseases.” in the National Conference on Impacts of Pollution on Health and Restoration of Quality Environment Through Biotechnology Applications organized by PG Research Department of Zoology and Department of Immunology and Microbiology, The American College, Madurai, India on 2,3 February 2018

## Conferences Organized

1. Organizing Secretary of International Conference on Biotechnological Trends for Sustainable Future - 2023 organized by Department of Biotechnology, The American College, India on 30,31 January, 2023
2. Organizing Committee member of the 28<sup>th</sup> Annual Conference of Oculoplastic Association of India on 27-29 October, 2017 hosted by Aravind Eye Hospital, Madurai.
3. Organizing Committee member of the 4<sup>th</sup> Asia Pacific Tele-Ophthalmology Society Symposium on 21,22 September, 2019

## Accolades

1. Project Associate in Green Management Programme, The American College, Madurai (Since 2022).
2. In charge of The Museum, The American College, Madurai (Since 2023).
3. Department Student Secretary, Department of Microbiology, The American College (2017-18).
4. Member of Students Service Committee, The American College (2019-2022).
5. Student Prefect, Jeevana School, Madurai (2016-17).
6. Bharathi Yuva Kendra's 'Yuvashri Kala Bharathi' awardee for achievements in Painting (2008).

## Achievements and Leadership skills

1. **Authored the book 'Rock art of Madurai – The Prehistory of a Civilization' in 2022.**
2. Invited as a special invitee for the Wildlife Week 2022 commemoration, by Tamil Nadu Forest Department, Madurai Forest Division in September 2022 and was a Judge for the competitions conducted on that day.
3. Conducted a session on 'Career Guidance' to Class XI biology students of Jeevana School, Madurai on 8 November 2022.

### 4. **Friends of Madurai**

Founded 'Friends of Madurai' which is a team of active aspiring youngsters, working for the conservation of biodiversity and sustainable growth of Madurai. It was later registered as a social welfare trust. Some of 'Friends of Madurai' accomplishments are:

- Signed a Memorandum of Understanding between the 'Friends of Madurai Trust' and The American College, Madurai in March 2022, to educate its students on the conservation of biodiversity, and to train them in the conservation and production of native trees and plants. We have produced 400

native trees saplings so far through this MoU and are working to set up a nursery in the college for Native trees and plants saplings.

Friends of Madurai is also organizing talks and training sessions by experts to these students.

- Set up a Herbal Garden named 'Project Immunity' in the Vasudhara residential enclave, Andalpuram, for its residents in May 2021.
- Created a 'Kurinji paatu flowers garden' in a private farm. Researched, collected and planted 50 out of the 99 flowers mentioned by poet Kabilar in the ancient poetry book 'Kurinji paatu' (approx. 400AD) in December 2021.
- Created a native trees reserve named Eden Arboretum in the Satellite campus of The American College in May 2022, dedicated to conserve endangered native tree species of India and regional rarities of Madurai. This reserve will also serve as a seed bank and sample pool for future scientific researches on these species.
- Adopted 100 Rose-ringed parakeets, (a species protected under the Wildlife (Protection) Act) seized from households by Forest Department officials in July 2023. These 100 parakeets are being maintained, fed and nourished till their cut feathers grow and are fit to be released into the wild.
- Documented the biodiversity richness in Aritapatti, Madurai and contributed to it becoming the first Biodiversity Heritage site of Tamil Nadu, India in 2023.
- Have planted 740 native tree saplings and 700 palm seeds in Madurai since 2021.
- Documenting the biodiversity in the sacred groves in Madurai, India since 2022.

#### **5. Western Ghats Wildlife Conservation Trust – Madurai**

Leading the Western Ghats Wildlife Conservation Trust's Madurai team as the Madurai coordinator since 2021.

- Oriented and guided the Tamil Nadu Forest Department - Madurai Division's Forest Ranger Officers, Foresters and Guards for Integrated Tamil Nadu Birds census and Wildlife Census conducted on February 2022, March 2022, February 2023 and March 2023.

- Commemorated World Environment Day – 2022 in Aurofarm, Madurai.
- Volunteer with Tamil Nadu Forest and Wildlife Crime Control Bureau.

## **Extracurricular activities and Hobbies**

### **1. Bird watcher and nature enthusiast.**

For the past 11 years, have been documenting birds of Madurai and also in other districts of Tamil Nadu, and have conducted many conservational activities.

- Top birder in Madurai in ebird.org, by documenting most number of species.
- Created a photographic documentation on the biodiversity of Karisalkulam Tank for its conservation, copies of which were submitted to The Collector and District Forest Officer, Madurai.

### **2. Freelance documenter.**

Documented the Rocks around Madurai, Kirudhumal River and native trees of Madurai.

### **3. Professional Photography**

Have won two national level intercollegiate photography competitions. Have won prizes in many other photography competitions.

### **4. An extensive traveller and explorer. Have travelled to 12 states and 131 cities in India.**

### **5. Have completed 3 marathons in Madurai.**