

**The American College
Madurai**

Faculty Profile



Name : **Caleb Johnson Paranjothi. C**

Date of Joining : **21.07.1999**

Designation : **Assistant Professor & Head**

Department : **BIOCHEMISTRY**

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Specialization in Research:

Clinical Biochemistry

Research Interests:

Clinical Biochemistry, Nanotechnology

Education Qualification:

Degree	Subject	College/University & Place	Year Completed
Ph. D	Biochemistry	Bharathiar University, Coimbatore	2021
TNSET	Life Sciences	Government of Tamilnadu – Mother Teresa University, Kodaikanal	2016
M. Phil	Biochemistry	Vinayaga Missions Research Foundation, Salem	2008
M.Sc.	Biochemistry	Bharathiar University, Coimbatore	1998

B.Sc.	Chemistry	Gandhigram Rural Institute, Gandhigram, Dindigul	1992
DEE	ECG & Echocardiography	Christian Medical College & Hospital, Vellore	1995
DMM	Marketing & Management	Madurai Institute of Social Sciences, Madurai	1998
CCF	French	Alliance Française	2003

Work Experience:

Designation	Institution / Company	Year – From (month/year) To (month/year)
Coordinator/Head	The American College, Madurai	June 2013
Lecturer	The American College, Madurai	2004 – 2013
Junior Lecturer	The American College, Madurai	1999 - 2004

Administrative / Academic Position/s (held / currently holding):

Positions held / currently holding	Year – From (month/year) To (month/year)
Coordinator/Head	June 2013 – till date
Placement Director	2020 – till date
Liaison Officer – Paramash UGC Scheme - Mentor – Mentee Institutions	2020 - till date
Warden, Washburn Hall	February 2010 –June 2011
Superintendent, Dudley Hostel	July 1999 – July 2000
President, Biochemistry association	5 years

Membership in Professional Bodies:

Positions held / currently holding in Professional Body	Year – From (month/year) To (month/year)
Member, Board of studies, Madurai Kamaraj University, Madurai	2016 – till date
Member, Boards of Studies, The American College, Madurai	1999 – till date
External Examiner, Madurai Kamaraj University Central Valuation, Madurai	2000 - 2006

Publications:

International Journals:

Caleb Johnson, C.,Muthuganapathy, KN. And Balakumar, T. Approaches for scaling up thebiocolorant yield potential of fresh waterCyanobacteria.

www.microbiologyou.com (Electronic publication).

Caleb Johnson, C and S. R. Murali - A Study of Multidrug resistance bacteria from UTI patientsin theInternational Journal of Scientific &Engineering Research, Volume 7, Issue 11, November 2016 - ISSN 2229-5518.

Caleb Johnson Paranjothi. C and S. R. Murali - Antibacterial activity and GCMS analysis of the extract of leaves of Rhizophora Apiculata (AMangrove Plant) in the World Journal of Pharmaceutical Research, Volume 7, Issue 11, 608-615, May 2018 - ISSN 2277- 7105. SJIFImpact factor **8.074**Books:

Conference / workshop/ Seminar Presentations:

Name of the Seminar/ Conference/Symposia Workshop etc.,	Name of the Sponsoring Agency	Title of paper	Institution, Place and Date
International Conference on Microbial Biotechnology, Trade and public policy		Approaches for scaling up thebiocolorantproduction potential of freshwater Cyanobacteria.	Osmania University, Hyderabad, AndhraPradeshState, India. July 15-17, 2000
New horizons in Biotechnology		Phycobilins production potential of fresh water cyanobacteria: A Biotechnological approach	Regional Research laboratory, CSIR, Trivandrum, Kerala State, India. April 18-21, 2001
National Symposium on Biotechnology for Sustainability in Agriculture	ICAR	Aluminium Toxicity Expression in Rice Genotypes.	G.B. Pant University of Agriculture and Technology, Pantnagar, Uttar Pradesh State, India, April27 – 29, 2000.
National Symposium on Plant Biochemistry and Biotechnology - Modern Trends	ICAR	Induction of Phycobilisome Pigments in FreshWater Cyanobacteria and its Application in Biotechnology	The American College, Madurai, Tamilnadu State, India, March 1-3, 2001.

Served as experts, chairpersons or resource persons, Lectures / Talks given:

Name of the Seminar/Conference/Symposia Workshop etc.,	Name of the Sponsoring Agency	Title of paper	Institution, Place and Date
Resource Person	V.V. Vanniaperumal College for Women	Probiotics and Probiotics	V.V. Vanniaperumal College for Women, Virudhunagar, Tamilnadu state, India
Guest Lecture	Mother Teresa University, Kodaikanal	Lipid metabolism	Mother Teresa University, kodaikanal at Madurai centre on 10 th March 2016
Young Student Scientist Program in science and technology	Human Resource Development (HRD), Govt. of India and TNSCST (Tamil Nadu State Council for Science and Technology) Chennai	Biological Sciences	The American College, Madurai, Tamilnadu State, India.
Pharmaceutical Marketing Orientation program	The American College, Madurai	Basic Sciences	The Placement cell, The American College, Madurai, Tamilnadu State, India.
NSS camp	NSS, The American College, Madurai, TamilNadu State, India		Chidambarampatti Madurai district on 11 th March 2016.

Other responsibilities:

Name of the Seminar/Conference/Symposia Workshop etc.,	Name of the Sponsoring Agency	Institution, Place and Date
Organizing Secretary “Vigyan Sarvatra Pujyate”, Science week festival	Ministry of Culture, Govt. of India	The American College, Madurai, Tamil Nadu State, India. February 22 – 28 2022
Treasurer Local Organizing, Committee “ National Symposium on Relevance of Plant Biochemistry and Biotechnology – Modern Trends”	ICAR	The American College, Madurai, Tamil Nadu State, India.

Chief Superintendent Young Student Scientist Programme Entrance Examination 2002,	Human Resource Development (HRD), Govt. of India and TNSCST (Tamil Nadu State Council for Science and Technology) Chennai	The American College, Madurai, Tamil Nadu State, India.
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Extension activities:

Service Learning Programme (SLP)

Guided Biochemistry Students on “ Assessment of the Nutritional status of the residents of a selected village - sponsored by United Board for Christian higher education in Asia (UBCHEA), USA.

Former Project leader

Service Learning Programme - Village Ecology – Action on Health - Guiding students of different disciplines on the programme

Symposia / Workshops Organized

Conducted a One day workshop on “**BUILDING COLLEGE- INDUSTRY INTERFACE**” & **Symposium on RECENT ADVANCES IN BIOCHEMISTRY, BIOINFORMATICS & MOLECULAR BIOLOGY**” was organized by the department of Biochemistry on **15th & 16th February 2008**. To provide a wide knowledge on protein profiling & drug designing experts Ms. Gayathri & Mr. Renjith Paulose from GVK Biosciences Pvt. Ltd. were invited.

Organized a visit for faculty and final year students to **AVN Ayurveda Formulations Pvt. Ltd., Madurai** to gain knowledge on various instruments in the R&D laboratory and the processes involved in the production of Ayurvedic medicines. Also visited **AVN Arogya Ayurvedic Hospital** on **11th of August 2014**.

Organized a field trip to **CFTRI (Central Food Technology Research Institute), Mysore, Karnataka State, India** on **29th September 2014**.

Organized **One - day workshop on Adolescent Health** on **17th October 2014** for our College students. Capt. Dr. B. Santhakumar, Dean, Madurai Medical College, Madurai was the chief Guest.

Organized “**Dengue Awareness Programme**” on part of the Service Learning Programme on **19 February 2015**

Organized a **One - day training Program on First Aid** in association with **St. John Ambulance, India** on **20th of February 2015**.

Organized an intercollegiate academic cum cultural competition **BIOCHEMICA’15** on the **3rd of March 2015**. Students from seven colleges in and around Madurai participated in the competition.

Organized an visit to the **Anatomy Museum** at the **Madurai Medical College, Madurai** on the **13th of March 2015** for the students to visualize and observe the preserved specimens of Humans.

Organized an **Two day workshop on Food Technology** on the **15th & 16th September 2015**. Dr. J. Suguna, Designated Officer, Department of Food Safety and Drug Administration, Madurai was the chief guest.

Organized an industrial visit to the **Centre for Marine Fisheries and Research Institute (CMFRI), Cochin** on **26th September 2015**.

Conducted a **Blood grouping camp** at Chidambarampatti, Madurai district in association with NSS units 3, 7, 9 of The American College, Madurai on **12th March 2016** as part of an extension activity.

Organized a **One day workshop on Food Technology** on **12 September 2016**. Dr. R. Suthakaran, Food Analyst, Food Analysis Laboratory, Madurai was the chief guest

Organized an Industrial tour to **Pasteur Institute, Coonoor**, Tamilnadu State, India on **26th to 28th February 2017**.

Organized an **One - day training Program on First Aid** in association with **St. John Ambulance, India** on **28th of March 2017**.

Organized **“Dengue Awareness Programme”** by Administering **“Nilavembu Decoction”** on part of the **Service Learning Programme (SLP)** on 10 August 2017.

Organized a field visit to the **Regional Forensic Laboratory, Madurai**, on **8 September 2017**.

Organized a **One Day Symposium on Mental Health & Physical Fitness** on **12 February 2018**. Dr. A. Manivannan, Assistant Commissioner of Police, Madurai City was the chiefguest.

Organized a field visit to the **Aavin Dairy, Madurai** on **16 February 2018** for the II year Students.

Organized an **“Action on Health”** programme by **Administering Albendazole** to students on part of the Service Learning Programme (SLP) - village ecology of the American college, Madurai in association with the Corporation of Madurai on 26 February 2018

Organized a **“One day workshop on Food Technology** on **16 October 2018**. Mr. **Suraj Sundara Shankar**, Proprietor, SVS Foods, Madurai was the chief guest.

Organized a **Peer group discussion on “Basic Concepts in Biochemistry”** on 27 August 2021 in **collaboration** with the Department of Biochemistry, **V, .V. Vanniaperumal College for Women**, Virudhunagar, Tamilnadu state, India

Webinar Organized

International Webinar on “Research Avenues in Biochemistry” on the 11 & 12 June 2020, organized by the Department of Biochemistry, The American College, Madurai, Tamilnadu, State, India

National Webinar on “Trends in Bio - Entrepreneurship” on the 01 September, 2021, organized by the Department of Biochemistry, The American College, Madurai, Tamilnadu, State, India

Symposia/ Conference / Workshop Attended

“Symposium on Recent Trends in Immunology” held on 28 and 29 of January 1998 at the Department of Biochemistry, Avinashilingam Deemed University, Coimbatore, Tamilnadu, State, India

“Symposium on Recent Developments in Biological Sciences” held on 7 and 8 of March 1998 at the Department of Biochemistry, Kongunadu Arts & Science College, Coimbatore, Tamilnadu State, India.

“Workshop on Basic Techniques in Modern Biology” held on January 11 & 12, 2000 at The Department of Biotechnology, Ayya Nadar Janakiammal College, Sivakasi, Tamilnadu State, India

“National symposium on Phycology in the New Millennium” held from 1 – 3, March 2000 at the Centre for Advanced studies in Botany, University of Madras, Tamilnadu State, India

“National Symposium on Biotechnology for Sustainability in Agriculture” held on April 27 – 29, 2000 at the Departments of Molecular Biology and Genetic Engineering & Biochemistry, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttar Pradesh State, India.

“International Conference on Microbial Biotechnology, Trade and Public Policy” held on July 15 – 17, 2000 at the Department of Microbiology, Osmania University, Hyderabad, Andhra Pradesh State, India.

“National Symposium on Relevance of Plant Biochemistry & Biotechnology – Modern Trends” held on March 1 – 3, 2001 at the Department of Biochemistry, The American College, Madurai, Tamilnadu State, India.

“International Conference on New Horizons in Biotechnology” held on April 18 – 21, 2001 at the Regional Research Laboratory (RRL), CSIR, Trivandrum, Kerala State, India.

“Workshop on Techniques in Experimental & Clinical Immunology” held on February 25th & 26th, 2004 at the Department of Biochemistry, St. Joseph’s College, Tiruchirapalli, Tamilnadu State, India

“Workshop on Bioengineering” held on 22 – 25, January 2007 at the Department of Biotechnology, Bioinformatics & Microbiology, Ayya Nadar Janakiammal College, Sivakasi, Tamilnadu State, India

“National workshop on Biodiesel” held on October 17th & 18th, 2007, Organized by the School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai, Tamilnadu State, India.

“Technical Update Seminar On Cutting Edge Molecular Techniques” held on March 1, 2008 at the Lady Doak College, Madurai, Tamilnadu State, India.

“Workshop on Computational Biology and Drug Designing” on 13, July 2010 organized by Genocom Research Institute, Madurai, Tamilnadu State, India.

“Training in Phytochemical Techniques” held from 22 – 23 November 2010, at the Centre for Pharmacognosy, Pharmaceutics & Pharmacology, Institute of Ayurveda & Integrative Medicine, Bangalore, Karnataka State, India.

DBT sponsored **“National Conference on Community Microbial Consortia and the Human Holobiont – Implications of yet – Uncultured Microorganisms in Systemic Health, Disease & Personalized Medicine”**, organized by department of Immunology & Microbiology, The American College, Madurai on 7th & 8th December 2015.

“Time Management” Faculty development programme on 29 & 30, March 2016 conducted by the ICT academy of Tamilnadu at the American college, Madurai, Tamilnadu State, India.

“International conference on New Horizons, Emerging Challenges and Recent Paradigms in Food Mediated Immunity and their role in Human Health and Longevity” on the 31 – 1, September 2016 organized by the PG & Research department of Zoology and Department of Immunology & Microbiology, The American College, Madurai, Tamilnadu State, India.

“Science Academies Lecture workshop on Introduction to Modern Biology” on 19 – 21, 2017 organized Dept of Zoology, The American College, Madurai, Tamilnadu State, India.

International symposium on “The Engineering of Drug Delivery Systems using Ultrasound – Responsive Biomolecules” on 19 September, 2017, organized by the Research advisory committee of the Fatima College, Madurai, Tamilnadu State, India

Seminar on “Enhancement of quality of Curricula” for Chairpersons & members of the boards of studies organized by the Madurai Kamaraj University, Madurai, Tamilnadu State, India on 20 December, 2017.

“Science Academies Lecture workshop on Recent Trends in Modern Biology” on 23 – 25, January 2018, organized by the PG & Research Department of Zoology, The American College, Madurai, Tamilnadu State, India.

International symposium on **“Biomedical Research: Challenges & Opportunities”** on 07 February, 2018 organized by the Research advisory committee of the Fatima College, Madurai, Tamilnadu State, India

National conference on **“Impacts of Pollution on Health and Restoration of Quality Environment through Biotechnology Applications”** on 2 & 3 February 2018 organized by the PG & Research Department of Zoology & PG Department of Immunology & Microbiology, The American College, Madurai, Tamilnadu State, India

International seminar on Waste Management on 3 September 2018 organized by the National Centre of Excellence (MHRD), Thiagarajar College, Madurai, Tamilnadu State, India and Nottingham Trent University, United Kingdom.

National Conference on “Western Ghats: Treats and Conservation” on 17 October 2018 organized by the PG & Research Department of Zoology, The American College, Madurai, TamilNadu State, India in association with Save western Ghats Movement (SWGMM).

Recent Trends in Modern Immunology on **23 January 2019** organized by Department of Immunology & Microbiology, The American College, Madurai, Tamilnadu State, India

International Conference on “Coral Reefs: Threats and Conservation” on 12 February 2019 by the PG & Research Department of Zoology, The American College, Madurai, Tamilnadu State, India

Training in Research Based Pedagogical Tools in the **Faculty workshop on ‘Science through inquiry and research’ (STIR – 19)** on 17 to 18 October 2019, sponsored by the UBCHEA and organized by the PG & Research Department of Chemistry, Bishop Heber College (autonomous), Tiruchirappalli, Tamilnadu State, India in Collaboration with the United Board for Christian Higher Education in Asia (UBCHEA).

National Conference on “Recent trends in Biological Sciences (RTBS 2020)” on 3 February 2020, organized by PG & Research Department of Zoology, The American College, Madurai Tamilnadu State, India in association with Indian Science Congress Association, Chennai chapter, Tamilnadu State, India

National Seminar on “Avenues of Research in Biology” on February 12, 2020, organized by the PG Department of Zoology, Fatima college (autonomous), Madurai, Tamilnadu State, India

International webinar on “Innovation in Transdermal Drug Delivery – Key Considerations” on June 20, 2020 organized by Department of Pharmacy, Annamalai University, Chidambaram, Tamilnadu State, India

National level conference on “Life Sciences” on 29.06.2020 organized by the Department of Microbiology, K. R. College of Arts & Sciences, Kovilpatti, Tamilnadu State, India
Faculty development Programme on “Intellectual Property Rights in Biotechnology” from 22 – 24, September 2021, organized by the Department of Biotechnology in association with the Internal Quality Assurance Cell (IQAC) under UGC PARAMASH Scheme, Ayya Nadar Janaki Ammal College, Sivakasi, Tamilnadu State, India.

International virtual workshop on “Innovative Resources and IPR in Research” from 08 – 09, October 2021 organized by the Department of Mathematics, The American College, Madurai, Tamilnadu State, India

Webinar Attended

"Innovation In Transdermal Drug Delivery - Key Considerations" On 20 June 2020, organised By Department of Pharmacy, Annamalai University, Chidambaram, Tamilnadu State, India.

“International Technical Webinar on Advancements in Biotechnology” during 22nd - 24th June, 2020 organized by the Department of Biotechnology, St. Joseph’s College of Engineering, OMR, Chennai, Tamilnadu State, India.

2nd International Webinar Series on 3rd July 2020 organized by the Department of Forensic Science, G.T. N. Arts College (Autonomous), Dindigul, Tamilnadu State, India. Prof. K. Balakrishnan, Dean, Faculty of Science, Professor & Head, Department of Immunology, Madurai Kamaraj University, Madurai, Tamilnadu, India addressed on the theme “Archaeological Anthropology: A Forensic Perspective”

2nd International Webinar Series on 4th July 2020 organized by the Department of Forensic Science, G.T. N. Arts College (Autonomous), Dindigul, Tamilnadu State, India. Ms. Shraddha Nyati, Forensic Scientist, Advisor - Alien CSI, Cleveland, Ohio, Editor - IJABF, Author- From Ring to Mirror, Harrison, New Jersey, USA addressed on the theme “Forensic 2050: The SpaceX Moments of Forensic Science”.

2nd International Webinar Series on 5 th July 2020 organized by the Department of Forensic Science, G .T. N. Arts College (Autonomous), Dindigul Tamilnadu State, India. Dr. Sumedha Jadhav, Head, Department of Forensic Psychology, Government Institute of Forensic Science, Aurangabad, Maharashtra, India addressed on the theme “Why Psychology in Forensics ?”

“Recent trends in life sciences” Online Faculty Development Program, from 06 July 2020 to 10July 2020, organized by Department of Zoology, St. Jude’s College, Thoothoor, Kanyakumari district, Tamilnadu State, India.

“Analytical Techniques” held on 09 July 2020, organized by the American College Central Instrumentation Center, The American College, Madurai, Tamilnadu State, India.