



Dr. A. Baskara Boopathy
Assistant Professor and Head

Contact

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Academic Qualifications: M.Sc., M.Phil., Ph.D

Teaching Experience: 04 Years & 07 Months

Research Experience: 05 Years

Areas of Expertise

Lipid Biochemistry, Microalgal Biotechnology, Clinical Biochemistry

Research Supervision / Guidance

	Program of Study	Completed	Ongoing
Project	PG	05	-
	UG / Others	18	-

Publications

International			National		
Journals	Conferences	Workshop	Journals	Conferences	Workshop
50	04	01	-	10	07

Cumulative Impact Factor : 14.81
Average Impact Factor per Paper : 4.0
h-index : 04
i10 index : 04
Total Citations : 72

Funded Research Projects

S.No	Funding Agency	Amount (Rs.)	Topic	Period	Status
1.	Tamil Nadu State Council for Science and Technology DOTE campus Chennai - 600025. (Principal Investigator)	Rs.15,000	National Level Seminar on Advanced in Applied Biology and Environmental Science (NCAABE - 2020)	28.09.2020	Done
2.	Tamilnadu State Council for Science and Technology, DOTE campus, Chennai -600025. (Principal Investigator)	Rs. 65,000	Three days Program on Creation of Scientific Awareness for Students, Farmers and Self-help groups	12th - 14th February 2019	Done

Distinctive Achievements / Awards

- ❖ **World record attempt** for the category “Most Number of Seed Balls made by a team in 72 Hours (Single Venue)” as Organizer which was held between 21 – 23 January 2020 at National Academy School Auditorium, Ramanathapuram District, Tamil Nadu.
- ❖ Awarded “**Biological Science Research (UGC-BSR) Fellowship**” (2014-2016) sponsored by the University Grants Commission (UGC), New Delhi, India.
- ❖ **Junior Research Fellow** (June-2014 July-2016) – Biological Science Research (BSR) Fellowship for Meritorious Students, sponsored by the University Grants Commission (UGC), New Delhi, India.
- ❖ **Project Fellow** (December-2011 December-2013), Funded by M/s. Aban Infrastructure Pvt. Ltd. Biotechnology Division, Chennai, Tamil Nadu, India.

Professional Societies Membership

- Young Phycological Society International (YPSI).

E – Quiz Organized

- **National Level Quiz – COVID-19** - 23rd June 2020
- **World Blood Donors Day** - 14th June 2020
- **World Food Safety Day** - 7th June 2020
- **World Environmental Day** - 5th June 2020
- **Bio-Green Quiz** - 2nd June 2020
- **Bio-Tech Quiz** - 23rd May 2020

Gene Bank Submission

- ✚ GENBANK SUBMISSION Accession number KP317837. *Tetraselmis* sp.

Research Publications

- 1) Natarajan Mohan, Polur Hanumantha Rao, **Annakkili Baskara Boopathy**, Ramasamy Rengasamy, Senthil Chinnasamy “A sustainable process train for a marine microalga-mediated biomass production and CO₂ capture: A pilot-scale cultivation of *Nannochloropsis salina* in open raceway ponds and harvesting through electroprecipitation”. Renewable Energy 173 (2021) 263-272. ISSN: 0960-1481. **Impact Factor:8.001.**
- 2) **Annakkili Baskara Boopathy**, Thanasekaran Jayakumar, Senthil Chinnasamy, Muthu Ganesan Rajaram, Natarajan Mohan, Subramani Nagaraj, Ramasamy Rengasamy, Manjunath Manubolu ,Joen-Rong Sheu and Chao-Chien Chang, “Biomass and Lipid Production Potential of an Indian Marine Algal Isolate *Tetraselmis striata* BBRR1.” MDPI Energies 2020, 13, 341. ISSN: 1996- 1073. **Impact Factor:3.004.**
- 3) Muthu Ganesan Rajaram, Subramani Nagaraj, Manubolu Manjunath, **Annakkili Baskara Boopathy**, Chidambaram Kurinjimalar, Ramasamy Rengasamy, Thanasekaran Jayakumar, Joen- Rong Sheu and Jiun-Yi Li, “Biofuel and Biochemical Analysis of *Amphora coffeaeformis* RR03, a Novel Marine Diatom, Cultivated in an Open Raceway Pond”. MDPI Energies 2018, 11(6), 1341. ISSN: 1996-1073. **Impact Factor:3.085.**
- 4) G Malathi, S Arunprakash, M Arul Kumar, **A Baskara Boopathy**, P Rama. Diversity and Distribution of Macro-Algae in the Gulf of Mannar. Int J Pharma Res Health Sci. 2018; 6 (1): 2245- 49. ISSN: 2348-6465. **Impact Factor:0.454.**
- 5) G. Malathi, S. Arunprakash, M. Arul Kumar, **A. Baskara Boopathy** And P. Rama. Isolation of Substances Having Bacterial Growth Inhibition from Marine Algae. Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 20 (October Suppl.): 2018: S222-S228. ISSN: 0972-3005.
- 6) **Baskara Boopathy A**, Rajaram MG, Elizabeth AR, Eevera T and Jayakumar T. An Aqueous Extract of the Leaves of *Ficus religiosa* Inhibits the Growth of Urinary Calcium Hydrogen Phosphate Dihydrate Crystals-An In-Vitro Study. HSOA Journal of Alternative, Complementary & Integrative Medicine 3: 041, 2017. ISSN: 2470-7562. **Impact Factor:0.84.**
- 7) N. Mohan, M.G. Rajaram, **A. Baskara Boopathy** and R. Rengasamy. Biomass and lipid production of marine diatom *Amphiprora paludosa* W. Smith at different nutrient concentrations. J. Algal Biomass Utln. 2012. 3 (4): 52–59. ISSN: 2229- 6905.
- 8) S. Nagaraj, M.G. Rajaram, P. Arulmurugan, **A. Baskara Boopathy**, K.Karuppasamy, K.R. Jayappriyan, R. Sundararaj, R. Rengasamy. Antiproliferative potential of astaxanthin-rich alga *Haematococcus pluvialis* Flotow on human hepatic cancer (HepG2) cell line. Biomedicine & Preventive Nutrition. 2012 2 149–153. ISSN: 2210-5239. **Impact Factor:1.7.**