

## FACULTY PROFILE

Name of the Staff : **Dr. BALASUNDARAM A**  
Official Address :  
ARUMUGAM PILLAI SEETHAI AMMAL COLLEGE,  
VALLAL ARUMUGAM PILLAI ROAD, TIRUPPATTUR – 630 211.  
Mobile : 9894681806  
E-Mail Address : balasundaramiit@rediffmail.com



### Personal Details:

Age : 48  
Date of Birth : 19/03/1976  
Sex & Marital Status : Male & Married  
Citizenship : INDIAN  
Department : CHEMISTRY  
Date of Joining : 10/01/2008

### Qualification:

Degree	Programme and Specialization	Class/CGPA	Month & Year of Passing	Institute/University
Ph.D	Biodiesel	--	02/2021	Alagappa university
M.Phil	Chemistry	1st	04/2007	Bharathidasan university
M.Tech	Energy studies	7.8/10	01/2000	INDIAN INSTITUTE OF TECHNOLOGY, DELHI
M.Sc	Chemistry	1st	04/1998	St.Joseph's college, Trichy / Bharathidasan
B.Sc	Chemistry	1st	04/1996	Bishop Heber college, Trichy/ Bharathidasan university

### Professional Experience:

### Teaching Experience:

Designation	Institute/University	Period		Nature of Duties
		From	To	
Lecturer	SARASWATHI VELU COLLEGE OF ENGINEERING, VELLORE	20/08/2001	14/07/2002	Teaching
Lecturer	PSNA COLLEGE OF ENGINEERING & TECHNOLOGY, DINDIGUL	31/07/2002	04/01/2008	Teaching
Assistant Professor	Arumugam pillai seethai Ammal college, Tiruppattur.	10/01/2008	10/01/2021	Teaching Research
Associate Professor	Arumugam Pillai Seethai Ammal college, Tiruppattur	11/01/2021		Teaching Research

**Area of specialization:**

S.No	Title
1	Bio-fuel cell, Fuel technology (Bio-diesel)
2	Energy studies
3	Analytical chemistry

**Course Taught:**

S.No	Course Title	U.G. or P.G
1	Engineering chemistry, Physical chemistry, Inorganic chemistry, Physical chemistry practicals, Environmental studies, Industrial chemistry, Organic chemistry, Emergency medical & lab skills, Competitive examinations skills, Ancillary chemistry	U.G

**H-Index:**

Research Gate	Google Scholar	Scopus	Web Of Science
	2	1	1

**Development or Training Activity:****Organized:**

S.No	Role	Title	Period		No. of Participants	Course Type	Type of Program
			From	To			
1	Organising committee	UGC sponsored national seminar (BIOVISION-2014)	05/09/2014	06/09/2014	150		null

**Attended:**

S.No	Title	Period		Venue	Course Type	Type of program
		From	To			
1	UGC Sponsored Orientation course	11/11/2011	08/12/2011	UGC- Academic Staff College, Bharathidasan University, Trichy-23.		orientation program
2	UGC sponsored refresher course in Material Science(ID)	02/11/2016	22/11/2016	UGC- Academic Staff College, Bharathidasan University, Trichy-23.		Refresher course
3	UGC sponsored refresher course in CHEMISTRY	08/06/2018	28/06/2018	UGC-HRDC Pondicherry university, Pondicherry.		Refresher course
4	Online refresher course in chemistry for higher education faculty	01/10/2018	30/03/0019	Sri Guru Tegh Bahadur Khalsa college, Delhi		ARPIT -online refresher program

S.No	Title	Period		Venue	Course Type	Type of program
		From	To			
5	Managing Online classes and Co creating MOOCS	20/04/2020	06/05/2020	Ramanujam college , University of Delhi		online FDP
6	ADVANCED CONCEPTS IN DEVELOPING MOOCS	02/07/2020	17/07/2020	Ramanujam college, University of Delhi		online FDP
7	MOOCS & E-CONTENT DEVELOPMENT	24/08/2020	29/08/2020	HRDC-JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI		online STC

#### Expert Lecture Delivered/Judge:

S.No	Title	Period		Venue
		From	To	
1	Delivered a invited lecturer in a national conference ADVANCES IN APPLIED CHEMISTRY	15/12/2018	15/12/2018	St. Joseph's college, Trichy
2	Evaluator for the projects submitted at 22nd National children's Science Congress-2014			Mount Zion college of Engg.& Technology, pudukottai.
3	Delivered lecture on WEATHER, CLIMATE & HEALTH at Guide Teacher's training Programme of the 23rd NCSC	18/09/2015		A.P.S.A college, Thirupathur
4	Delivered a lecture on "ENERGY" in the Guide Teacher's training Programme of the 24th NCSC	28/07/2016		A.P.S.A college, Thirupathur

#### Membership in Professional bodies:

S.No	Name of the society	Grade of Membership
1	Indian Society for Technical Education	Life Member

#### Research Achievements:

#### International Journal Publications:

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
1	photobiological production of hydrogen from spirulina for fueling fuel cells	Energy Sources, Part A: Recovery, Utilization, and Environment Effects	29:9, 761-767	06/2007	Published
2	A novel method applied to the production of biodiesel from Neem oil	international Journal on Emerging Technologies	10(2) & 291-298	07/2019	Published
3	A new process for the production of Biodiesel from Used Vegetable Oil	International Journal of Engineering and Advanced Technology	8(6) & 2801-2807	08/2019	Published

**Sponsored Research:****National Agency:**

S.No	Title of the Project	Sponsored Agency	Year		Funding Amount	Role	Current Status
			From	To			
1	Synthesis of Diesel from vegetable oil	UGC	2018	2020	2.2	Principal investigator	Completed

**Innovation and Intellectual Property:****Patent:**

S.No	Date of Filing Main Application	Title of the Invention	Name of the Inventors	Month & Year	Patent Number	Field of Invention	Description of the Invention
1	23/04/2007	A PROCESS FOR THE PREPARATION OF BIO-DIESEL	A.BALASUNDRAM	03/2011	246863	BIO-DIESEL PRODUCTION PROCESS	preparing bio-diesel from vegetable by converting it to corresponding sodium salt of fatty acid and adding mineral acid to liberate the FFA which is esterified with alcohol to give BIO-DIESEL.

**Other Contribution work to the Institute/Organization:**

S.No	Name	Role	Period		Nature of Duties
			From	To	
1	INTERNAL QUALITY ASSURANCE CELL	member	02/01/2016	19/12/2022	
2	LIBRARY ADVISORY COMMITTEE	Member	06/01/2013	30/04/2018	
3	Department mentor NPTEL	Member	06/15/2016	22/12/2022	guided students to complete courses by NPTEL
4	Carrier Guidance & Entry in service	Member	06/15/2016	31/12/2018	