

## FACULTY PROFILE

Name of the Staff : **Dr. VIJAYANAND NARAYANAN**  
Official Address : Associate Professor  
ARUMUGAM PILLAI SEETHAI AMMAL COLLEGE,  
VALLAL ARUMUGAM PILLAI ROAD, TIRUPPATTUR – 630 211.  
Mobile : 9894289088  
E-Mail Address : apsabotany@gmail.com



### Personal Details:

Age : 46  
Date of Birth : 01/10/1977  
Sex & Marital Status : Male & Married  
Citizenship : INDIAN  
Department : BOTANY  
Date of Joining : 10/01/2008

### Qualification:

Degree	Programme and Specialization	Class/CGPA	Month & Year of Passing	Institute/University
Ph.D	Plant Biotechnology	Not Applicable	10/2010	Madurai Kamaraj University
M.Phil	Plant Tissue Culture	First	04/2001	Madurai Kamaraj University
M.Sc	Botany	First	04/2000	Madurai Kamaraj University
B.Sc	Botany	First	04/1998	Madurai Kamaraj University

### Professional Experience:

### Teaching Experience:

Designation	Institute/University	Period		Nature of Duties
		From	To	
Associate Professor Head	Arumugam Pillai Seethai Ammal College, Thiruppathur	10/01/2008	13/12/2023	Teaching Research

### Other Academic Credentials:

S.No	Title
1	Completed 16 online courses (MOOCs)
2	Number of Citations in Google Scholar - 502 (as on 05.07.2024)
3	Number of Citations in Scopus - 177 (as on 05.07.2024)
4	Number of citations in Research Gate - 319 (as on 05.07.2024)
5	Acted as reviewer for 3 manuscripts in International Journal of Organic Waste in Agriculture (Scopus indexed)
6	Deposited One Gene Sequence at NCBI
7	Completed two Mind reading courses (Mentalism)
8	Acted as external auditor for Academic Audit in a college

**Area of specialization:**

S.No	Title
1	Plant Tissue Culture
2	Algal Biofertilizers
3	Phycology

**Course Taught:**

S.No	Course Title	U.G. or P.G
1	Allied Paper, Skill Based Paper, Non Major Elective, Core Paper (Life Coping Skills)	U.G

**H-Index:**

Research Gate	Google Scholar	Scopus	Web Of Science
8	10	6	2

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

S.No	Role	Title	Period		No. of Participants	Course Type	Type of Program
			From	To			
1	Organizer	Mushroom Cultivation for Self Help Groups	07/04/2011	07/04/2011	100		Training Program
2	Organizer	Mushroom Cultivation for Farmers and unemployed youth.	26/07/2012	26/07/2012	80		Training Program
3	Organizer	Disaster Management	26/07/2013	26/07/2013	99		Awareness Program
4	Organizer	Protecting Sparrow	25/07/2014	25/07/2014	85		Awareness Program
5	Joint Organizer	ICT Resources	29/10/2014	29/10/2014	60		Awareness Program
6	Joint Organizer	Library Day Celebration	12/08/2015	12/08/2015	60		Awareness Program
7	Joint Organizer	NPTEL	02/03/2016	02/03/2016	98		Awareness Program
8	Joint Organizer	User Awareness program on assess to library resources	19/08/2016	19/08/2016	85		Awareness Program
9	Organizer	Soft Skills	05/10/2016	05/10/2016	30		Training Program
10	Organizer	Road Safety Program	02/02/2017	02/02/2017	20		Outreach Activity
11	Organizer	Road Safety Awareness program for Pilgrims	24/01/2018	24/01/2018	95		Outreach Activity

S.No	Role	Title	Period		No. of Participants	Course Type	Type of Program
			From	To			
12	Organizer	Kitchen Garden and Roof top Garden	28/02/2018	28/02/2018	50		Awareness Program
13	Joint Organizer	Helmet Awareness Program	25/10/2019	25/10/2019	85		Outreach Activity
14	Joint Organizer	Road Safety Program - Pasting reflective stickers	01/02/2020	01/02/2020	94		Outreach Activity
15	Joint Organizer	Sadak Suraksha – Jeevan Raksha	24/01/2020	24/01/2020	50		Outreach Activity
16	Joint Organizer	Covid and dengue awareness program	30/11/2020	30/11/2020	90		Outreach Activity
17	Joint Organizer	Road Safety Program - Pasting reflective sticker	23/01/2021	23/01/2021	95		Outreach Activity
18	Organizing Secretary	Biovision 2014	05/06/2014	06/06/2014	195		UGC Sponsored
19	Convener	POST COVID 19 – A PARADIGM SHIFT TOWARDS ONLINE LEARNING	22/06/2020	22/06/2020	126		Webinar
20	Organizer	Helmet Awareness	21/11/2021	21/11/2021	20		Outreach Activity
21	Organizer	Free Mask Distribution	14/11/2021	14/11/2021	15		Outreach Activity
22	Organizer	Awareness Program on Hazardous Effect Of Plastic Usage	19/11/2021	19/11/2021	20		Out reach activity
23	Organizer	Helmet Awareness Program	21/11/2021	21/11/2021	10		Outreach Activity
24	Joint Organizer	Poshiyan Abhiyan Scheme	23/09/2021	23/09/2021	20		Outreach Activity
25	Organizer	Visit to Old Age home	02/03/2023	02/03/2023	39		Outreach Activity

**Attended:**

S.No	Title	Period		Venue	Course Type	Type of program
		From	To			
1	International Conference in Molecular Physiology, Therapeutics and Experimental Medicine	24/07/2019	25/07/2019	Alagappa University		International Conference
2	Advanced Bio Chem Development (ABCD-2018)	18/12/2018	19/12/2019	Sri Sarada Niketan College for Women, Amaravathipudur, Karaikudi		National Conference
3	Recent Trends in Microbiology	20/12/2016	21/12/2016	Alagappa University		International Conference
4	Challenges and opportunities in life sciences	05/04/2016	06/04/2016	Sri Meenakshi College For Women, Madurai		International Conference

S.No	Title	Period		Venue	Course Type	Type of program
		From	To			
5	Plant Microbes and their Interaction	04/03/2015	05/03/2015	Department of Botany , University of Jammu, Jammu		National Seminar
6	Algae for Sustainable Agricultural Production	29/09/2014	30/09/2014	Agricultural College and Research Institute, Madurai		National Seminar
7	Frontiers in Biotechnology	08/08/2013	09/08/2013	Nehru Memorial College, Trichy		National Seminar
8	Biotechnology and Human Welfare	06/12/2013	08/12/2013	SASTRA University		International Conference
9	Science for shaping the Future of India	15/12/2012	16/12/2012	Indian Science Congress Association, Coimbatore Chapter		Regional Science Congress
10	Green Bioenergy: Opportunities, Threats, Knowledge gaps and Socio-economic impacts”	27/12/2012	28/12/2012	Alagappa Government Arts College, Karaikudi		National Seminar
11	Current Trends in Algal Biodiversity and Biotechnology	07/02/2008	08/02/2008	Centre for Advanced Studies in Botany, University of Madras, Chennai.		International Conference
12	Emerging Trends in Accounting and Taxation	17/08/2017	17/08/2017	Arumugam Pillai Seethai Ammal College, Thiruppathur		National Seminar
13	Global warming – Now and Then (NCGW- 2010)	18/03/2010	19/03/2010	School of Marine Sciences, Alagappa University, Thondi Campus, Thondi		National Conference
14	Algae in Agriculture and food industry	20/09/2008	21/09/2008	Pachaiyappas College. Chennai		National Seminar
15	training programme for Red Ribbon Club Programme officers	07/03/2012	07/03/2012	Alagappa University, Karaikudi		Training Program
16	“Innovative Practices in Teaching and Learning”	04/10/2016	04/10/2016	Arumugam Pillai Seethai Ammal College, Thiruppathur		NAAC-IQAC sponsored training programme
17	Environmental Science	20/01/2016	20/01/2016	Alagappa University, Karaikudi	Orientation Programme	Training Program
18	Recent Development in Biology	02/06/2016	22/06/2016	Madurai Kamaraj University, Madurai	Refresher Course	Refresher

S.No	Title	Period		Venue	Course Type	Type of program
		From	To			
19	Tools and Techniques in Biological Research	16/11/2012	06/12/2012	Madurai Kamaraj University, Madurai	Refresher Course	Refresher
20	Managing Online Classes and Co-creating MOOCs	20/04/2020	06/05/2020	Ramanujan College, Delhi	FDP	Online FDP
21	Soft Skill Development	27/01/2020	27/01/2020	Indian Institute of Technology, Khargpur	FDP	Online FDP
22	Bioenergetics of Life Process	24/02/2020	23/03/2020	Indian Institute of Technology, Kanpur	FDP	Online FDP
23	Interpersonal Skills	29/07/2019	22/09/2019	Indian Institute of Technology, Khargpur	FDP	Online FDP

#### Expert Lecture Delivered/Judge:

S.No	Title	Period		Venue
		From	To	
1	Health, Hygiene and Nutrition	28/07/2018	28/07/2018	Arumugam Pillai Seethai Ammal College, Thiruppathur
2	Explore Biology for School childrens	25/05/2018	25/05/2018	Dr.Zakir Hussain College, Illayangudi
3	"Plants in Human Welfare	13/02/2017	13/02/2017	Sourashtra College, Madurai
4	Self Employment	15/02/2017	15/02/2017	Arumugam Pillai Seethai Ammal College, Thiruppathur
5	Digital Learning	28/02/2017	28/02/2017	Arumugam Pillai Seethai Ammal College, Thiruppathur
6	Global Warming – A common man approach	07/03/2017	07/03/2017	Dr. Zakir Hussain College, Illayangudi.
7	ICT method of teaching for school teachers	10/07/2017	10/07/2017	Sarva Shiksha Abiyan, Block resource centre, Thiruppathur
8	Health, Hygiene and Nutrition	24/07/2018	27/07/2018	Arumugam Pillai Seethai Ammal College, Thiruppathur
9	Health, Hygiene and Nutrition	05/10/2017		Arumugam Pillai Seethai Ammal College, Thiruppathur
10	How to manage happiness	28/10/2017	28/10/2017	Arumugam Pillai Seethai Ammal College, Thiruppathur
11	Amazing Plants	25/01/2016	25/01/2016	Sourashtra College, Madurai

S.No	Title	Period		Venue
		From	To	
12	Health, Hygiene and Nutrition	26/07/2016	28/07/2016	Arumugam Pillai Seethai Ammal College, Thiruppathur
13	Global Warming- A common man approach	27/08/0015	27/08/2015	Seethalakshmi Aachi College for Women, Pallathur
14	Weather and Climate	18/09/2015	18/09/2015	Arumugam Pillai Seethai Ammal College, Thiruppathur
15	Recombinant DNA Technology	23/08/2014	23/08/2014	Sri Sarada Niketan College for Women, Amaravathipudur
16	Personality Development for students	26/01/2014	26/01/2014	NSS special Camp organized by Arumugam Pillai Seethai Ammal College, Tiruppattur
17	Mushroom Culture	27/09/2013	27/09/2013	Arumugam Pillai Seethai Ammal College, Tiruppattur
18	Breakthroughs in Biotechnology	21/08/2013	21/08/2013	Sri Sarada Niketan College for Women, Amaravathipudur
19	BIO-DIESEL	27/08/0013	27/08/2013	Arumugam Pillai Seethai Ammal College, Tiruppattur
20	Health Awareness	30/01/2011	30/01/2011	Dr. Zakir Hussain College, Illayangudi
21	Quality Improvement of Science Education in Secondary Grade Schools of Sivagangai District	30/12/2011	30/12/2011	Sri Sevugan Annamalai College, Devakottai
22	Quality Improvement in Technical Education	24/03/2023	24/03/2023	Mangaiyarkarsi College of Arts and Science for Women, Paravai
23	Developing Your Personality through Interpersonal skills and Mentalism Activity	24/08/2023	24/08/2023	National Fire and Safety College, Karaikudi
24	Fostering Health, Nutrition and Well Being	25/08/2023	25/08/2023	National Children Science Congress, Thiruppathur
25	Interpersonal Skills	16/06/2023	16/06/2023	Yamaha Motors Ltd. Madurai
26	MOOCs and ICT Tools	12/10/2023	13/10/2023	D.K. Government Arts College for Women, Nellore , Andhrapradesh
27	Interpersonal Skills	05/12/2023	05/12/2023	UGC-HRDC Madurai Kamaraj University
28	Different Biotechnological Approaches	20/02/2024		Government College for Women, Sivagangai
29	Equipping Inner-self	10/02/2024		Sri Sarada Niketan College for Women, Amaravathipudur

S.No	Title	Period		Venue
		From	To	
30	Nanoparticles for targeted drug delivery	05/03/2024		Seethalakshmi Achi College for Women
31	Mentalism Mind Reading Program "Unlock the Mysteries of the Mind: Mindreading Experience	08/03/2024		NSS Camp Kandramanickam
32	Plant Animal Interactions	26/03/2024		Sree Sevugan Ammal College, Devakottai

#### Awards:

S.No	Title
1	Awarded NPTEL Discipline stars by National Programme on Technology Enabled Learning (IIT Madras).

#### Research Achievements:

#### International Journal Publications:

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
1	in vitro activity of selected medicinal plants against pathogenic fungi	International Journal of Botany Studies	6(6) & 847-851	12/2021	Published
2	Genetic relationship and polymorphism of selected medicinal plants of Asclepiadaceae using RAPD molecular analysis method	Ecological Genetics and Genomics	21: 100101	09/2021	Published
3	Potential of Pink Pigmented Methylophilic Bacteria on growth and physiology of cluster bean and soil microbial community.	Biocatalysis and Agricultural Biotechnology	37; 102161	09/2021	Published
4	Andrographolide Production and enhanced antioxidant Activity in <i>Andrographis paniculata</i> (Burm f.) Nees. Promoted by seaweed liquid extracts.	Brazilian Journal of Botany	44: 317-330	05/2021	Published
5	Phytochemical screening, HPTLC analysis and Antidiabetic potential of <i>Trigonella foenum graecum</i> on alloxan induced diabetic rats	Plant Archives	20(1): 5315-5322	06/2020	Published
6	Potential of peel extracts of <i>Punica granatum</i> and <i>Citrus aurantifolia</i> on alloxan induced diabetic rats	Beni-Suef University Journal of Basic and Applied Sciences	9 (24): 1-11	06/2020	Published
7	Biofertilizing potential of seaweed liquid extracts of marine macro algae on growth and biochemical parameters of <i>Andrographis paniculata</i>	Plant Archives	19(2): 3201-3206	06/2019	Published

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
8	Organic Fertilizing Effect of Panchagavya on Growth and Biochemical Parameters of Holy Basil ( <i>Ocimum sanctum</i> L.)	International Journal of Current Microbiology and Applied Sciences.	7(6): 2637-2644.	06/2018	Published
9	Bio-fertilizer potential of seaweed liquid extracts of marine macro algae on growth and biochemical parameters of <i>Ocimum sanctum</i> .	Journal of Pharmacognosy and Phytochemistry	7(3): 3528-3532.	06/2018	Published
10	Foliar application of liquid biofertilizer of brown alga <i>Stoechospermum marginatum</i> on growth, biochemical and yield of <i>Solanum melongena</i> .	International Journal of Recycling of Organic Waste in Agriculture	4:167–173	05/2015	Published
11	Potential of Liquid extracts of <i>Sargassum wightii</i> on growth, biochemical and yield parameters of cluster bean.	Asian Pacific Journal of Reproduction	3(2): 150-155	06/2014	Published
12	Antidiabetic activity of <i>Cynodon dactylon</i> on alloxan induced diabetic rats.	International Journal of Pharmacy and Pharmaceutical Sciences	6(4): 348-352	06/2014	Published
13	Hepatoprotective and antioxidative effects of C-phycoerythrin from <i>Arthrospira maxima</i> SAG 25780 in CCl <sub>4</sub> -induced hepatic damage rats	Biomedicine & Preventive Nutrition	2: 81-85	06/2012	Published
14	Chemoprotective action of <i>Haematococcus pluvalis</i> Flowtow astaxanthin on Wistar male rats Hepatocarcinogenesis induced by (DEN) dimethylnitrosamine	Journal of Pharmacy Research	4(5), 1503-1056.	07/2013	Published
15	Influence of Seaweed liquid extracts on growth, biochemical and yield characteristics of <i>Cyamopsis tetragonolaba</i> (L.) Taub	Journal of phytology	3(9): 37-41	02/2012	Published
16	Hepatoprotective and Antioxidative Effects of C-Phycocyanin in CCL <sub>4</sub> Induced Hepatic Damage Rats	Academic Journal of Cancer Research	4 (2): 29-34.	04/2011	Published
17	Biofertilizing efficiency of brown and green algae on growth, biochemical and yield parameters of <i>Cyamopsis tetragonolaba</i> (L.) TAUB	Recent Research in Science and Technology	; 2(5): 45-52.	06/2010	Published
18	Ameliorated antioxidant and phytochemical profiling of <i>Canscora decussata</i> – An ayurvedic medicinal plant	Biocatalysis and Agricultural Biotechnology	6(2023) 102881	06/2023	Published
19	In vitro regeneration of <i>Sesbania aegyptiaca</i> - A valuable medicinal plant.	Plant Archives	5(5): 353-356	04/2005	Published
20	Biofertilizing efficiency of seaweed liquid extract of <i>Hydroclathrus clathratus</i> on <i>Sorghum vulgare</i>	Seaweed Research and Utilization	26 (1&2): 181-186	04/2004	Published



S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
21	Growth promoting Efficiency of liquid extract of a marine alga <i>Stoechospermum marginatum</i> on cluster bean.	Plant Archives	5(2): 497-502.	04/2004	Published

#### National Conference Publications:

S.No	Title of the Paper	Name of the Conference	Organizer	Month & Year
1	Mitigation of drought stress in cluster bean ( <i>Cyamopsis tetragonoloba</i> ) by foliar application of seaweed liquid extracts.	Biovision-2014	Rajeshwari Publishers	09/2014

#### International Conference Publications:

S.No	Title of the Paper	Name of the Conference	Organizer	Month & Year
1	Influence of Seaweed Liquid Fertilizer on Growth, Biochemical and Yield Parameters of Cluster Bean Plant	Biodiversity, Biology and Biotechnology of Algae (NCBBBA – 2017)	Centre for Advanced Studies in Botany, University of Madras, Guindy Campus	09/2019
2	In vitro regeneration and conservation of medicinal plant <i>Bacopa monnieri</i> (L). Pennell.	Plant diversity, Human welfare and conservation	Goa University	09/2014

#### International Book Publishing:

S.No	Title Of The Book	Name Of The Publisher	Type	Year Of Publishing
1	Seaweed Liquid Fertilizers – Growth promoting efficiency in agricultural crops	Lambert Academic Publisher, Germany.	International	2014

#### Ph.D. Guidance:

S.No	Research Scholar Name	Research Area	Year	Mode of Research
1	NIL	PLANT BIOTECHNOLOGY; PHYCOLOGY	2021	Part Time

#### Sponsored Research:

#### National Agency:

S.No	Title of the Project	Sponsored Agency	Year		Funding Amount	Role	Current Status
			From	To			
1	Influence of seaweed liquid extracts and methylotrophs bacteria soil microflora of cluster bean	University Grants Commission	2014	2016	3.0	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	07/12/2021	Astaxanthin production	Javee Anand, Nagaraj Subramani,	02/2022	C 12M 1/24	Micro Algae	"A system to enhance the cell growth and content of Astaxanthin production in Haemotococcus pluvalis Flotow"

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

S.No	Name	Role	Period		Nature of Duties
			From	To	
1	Internal Quality Assurance cell	Co-ordinator	09/01/2019	21/12/2022	Maintaining Academic Aspects
2	SWAYAM-NPTEL	Single Point of Contact	06/06/2015	21/12/2022	Digital Learning
3	AISHE	Nodal Officer	12/01/2022	21/12/2022	Compilation of Data
4	Academic Council	Member	06/16/2009	21/12/2022	Planning Academic Activities
5	UGC Planning Board	Member	06/16/2016	21/12/2022	UGC activities
6	Internal Quality Assurance Cell	Member	07/04/2014	31/08/2019	Assisting in Assessment and Accreditation
7	Convocation Committee	Co-Convener	03/01/2017	31/03/2017	Organizing Graduation Ceremony
8	National Service Scheme	Programme Officer	08/03/2009	30/06/2012	inculcating society values to the students
9	Red Ribbon Club	Programme Officer	06/16/2009	30/06/2012	Protecting the Youth from risk of HIV/AIDS
10	National Institute of Ranking Framework	Nodal Officer	07/15/2015	31/05/2016	Submitting data for Institutional ranking
11	Eco Club	Convener	06/16/2012	16/06/2014	Maintaining Ecofriendly Campus