

Government Arts College for women (Autonomous), Pudukkottai

STAFF PROFILE

i) General Information

- a) Name : Dr.A.NAGASATHYA
b) Address (Residential) : 102,Diamond Nagar, near nizam colony, Pudukkottai - 622 001.
c) Designation : Assistant Professor
d) Department : Zoology
e) Date of Birth : 20.04.1973
f) E-mail id : nagasathyazooology@gmail.com
g) Area of Specialization : Microbial Biodiversity

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A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School	Tamil, English, Maths, Science, Hist. And Geo.	Board of Secondary Education	1988	First
Higher Secondary or Pre-degree	Physics, Chemistry, Botany and Zoology	Board of Higher Secondary Education	1990	First
UG	Zoology	Madurai Kamaraj University	1990-1993	First
PG	Zoology	Madurai Kamaraj University	1993-1995	First
M.Phil.,	Zoology	Madurai Kamaraj University	1995-1996	First
Ph.D.,	Zoology	Bharathidasan University	2005	Highly Commended
National Educational Testing (NET) UGC	-	-	-	-
State Level Educational Testing (SLET)	Zoology	Bharathidasan University	1999	-

ii) Research Experience & Training

Research Stage	Title of work / Thesis	University where the work was carried out
M. Phil.	Chemosystematics of Enterobacteriaceae	Madurai Kamaraj University
Ph.D.	Microbial Biodiversity of Saltpans of Tamilnadu and Biotechnological potential of the Cyanobacteria	Bharathidasan University
Post-Doctoral	Nil	
Publications (give a list separately)	Annexure-I	-----
Research Guidance (give names of students guided successfully)	Annexure-II	-----
Training (please specify)	Annexure-III	-----

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
---	NIL	---	---	---

C) Seminars, Conferences, Symposia Workshops etc. attended (If necessary, give a separate list)

Name of the Seminars / Conferences / Symposia / Workshops etc	Name of the Sponsoring Agency	Place and Date
Annexure-IV		

iii) Teaching Experience

Courses Taught	Name of the University / College / Institution	Duration
iv) UG (BA / B.Sc., etc. Pass) (BA / B.Sc., etc. Hons.)	J.J. College of Arts and Science , Sivapuram, Pudukkottai – 622 422	16.7.1997 to 07.7.2009
	Government Arts College for Women (Autonomous),Pudukkottai – 622 001.	09.07.2009 to till date
v) PG (MA / M.Sc., etc.)	J.J. College of Arts and Science , Sivapuram, Pudukkottai – 622 422	16.7.1997 to 07.7.2009
	Government Arts College for Women (Autonomous),Pudukkottai – 622 001.	09.07.2009 to till date

Total Teaching Experience (in years and months):

- a) Under-graduate (Sci.) : 21 yrs 7 months
- b) Under-graduate (Hons.) :
- c) Post-graduate : 21 yrs 7 months
- d) Research : (M.Phil)
- : (Ph.D)

viii) Innovations/ Contributions in Teaching (If necessary, give a separate list)

a) Design of Curriculum:	Competitive exams oriented Syllabus.
b) Teaching methods:	Power point presentation, Lecturing and Group Discussion.
c) Laboratory experiments:	Repetition of practicals in all subjects and guiding projects.
d) Evaluation methods:	Asking questions, Class test and asking the students to take seminars.
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	Hints taken from various books and Articles, internet presentations.
f) Remedial Teaching / Student Counseling (academic) :	Extra care taken for below average as well as average students.
g) Any other:	Teaching basic Microbiology and Molecular techniques.

a) Extension Work/ Community Service (If necessary, give a separate list)

- i) Please give a short account of your contribution to:
- ii) Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc. : Nil
- iii) National Literacy Mission : Nil

b) Positions held / leadership role played in organizations linked with Extension Work National Service Scheme (NSS), or NCC or any other similar activity : Nil

D. Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	Member in Board of Studies, Doctoral committee member for Ph.D students, Member in evaluation of both theory and practical papers in various colleges and University, Question setting for various colleges.
b) Co-curricular Activities	Nil
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	Organized Fine arts programme in the college in 2012.
d) Students Welfare and Discipline	Member in Antiragging committee of the college.
e) Membership / Participation in Bodies / Committees on Education and National Development	Nil
f) Professional Organization of Teachers	Nil

E.

(a) Membership of Professional Bodies, Societies etc. : Nil

- **Reviewer:**
- **Member:**
- **Life Member:**

(b) Editorship of Journals: Nil

F. Any other information :

(Signature of the Teacher)

Annexure-I

Publications

- Thajuddin, N., Nagasathya, A., Chelladevi, R. and Saravanan, P. (2002) Biodiversity of cyanobacteria in different salt pans of Pudukkottai District, Tamil Nadu. *Seaweed Res. Utiln.* 24: 1 – 11.
- Nagasathya, A. and N. Thajuddin (2008) Antioxidant property of hypersaline cyanobacterium *Phormidium tenue* (KMD 33) *International Journal of Pharmacology.* 4(2): 125 – 129.
- Nagasathya, A. and N. Thajuddin (2008) Decolorization of paper mill effluent using hypersaline cyanobacteria. *Research Journal of Environmental Sciences* 2(5): 408 – 414. (Academic Journals Inc)
- Nagasathya, A. and N. Thajuddin (2008) Cyanobacterial diversity in the hypersaline environment of the salt pans of southern east coast of India. *Asian Journal of Plant Sciences* 7(5): 473 – 478.
- Nagasathya, A. and N. Thajuddin (2008) Diatom diversity in hypersaline environment. *Journal of Fisheries and Aquatic Science.* 3(5) : 328 – 333
- Karthikeyan, V. Shanthi and A. Nagasathya (2008) Effect of Different Media and pH on the Growth of *Beauveria bassiana* and Its Parasitism on Leaf eating Caterpillars, *Research Journal of Agriculture and Biological Sciences*, 4(2): 117-119, 2008
- Karthikeyan, V. Shanthi and A. Nagasathya and Priya .E (2008) Hypersaline cyanobacterium : A potential Biofertilizer for *Vigna mungo L.* (Black gram). *American Eurasian Journal of Sustainable Agriculture*, 2(1) : 87 -91.
- 1R. Thenmozhi, 2Rejina, K., 3K. Madhusudhanan, 4A. Nagasathya (2010) Study on Effectiveness of Various Biofertilizers on the Growth & Biomass Production of Selected Vegetables. *Research Journal of Agriculture and Biological Sciences*, 6(3): 296-301, 2010
- 1R. Thenmozhi and 2A. Nagasathya (2010) Screening for Surface-active Agent Producing Bacteria in Used Engine Oil Contaminated Soil Samples. *Research Journal of Agriculture and Biological Sciences*, 6(6): 983-986, 2010

- Thenmozhi. R, A. Nagasathya, , E.Priya, D.Praveenkumar (2010). Bioremediation of Industrial effluents by Hypersaline cyanobacterium *Phormidium tenue*. Research Journal of Biological Science.2:18 -27.
- Thenmozhi. R, A. Nagasathya, , E.Priya (2010). Effects of Interspecific competition between Natural, chemical, biofertilizer on the (Black gram) *Vigna mungo L.* Indian Journal of Applied Microbiology, 11 (1) : 49-54.
- E. Priya,^{1*} R. Thenmozhi,¹ T. Kavitha¹ and A. Nagasathya²(2011) Efficacy of Phosphate Solubilising Activity of the Marine Fungi *Aspergillus awamori* Indian journal of applied microbiology Volume 14 Number 1 January-June 2011, pp. 79-83
- R. Thenmozhi, 2A. Sornalaksmi, 3D. Praveenkumar, 4A. Nagasathya (2011) Characterization of Biosurfactant Produced by Bacterial Isolates from Engine Oil Contaminated Soil Advances in Environmental Biology, 5(8): 2402-2408, 2011
- Thenmozhi, R., Nagasathya, A. and N. Thajuddin (2011) Studies on biodegradation of used engine oil by consortium cultures. *Advances in Environmental Biology*. 5(6): 1051 – 105
- Praveen Kumar, D., Thenmozhi, R Anupama, P. D., Nagasathya, A., Thajuddin N. and A. Panneerselvam. (2012) Selection of potential antagonistic *Bacillus* and *Trichoderma* isolates from tomato rhizospheric soil against *Fusarium oxysporum* F. sp. *lycopersici*. *Journal of Microbiology and Biotechnology Research*. 2 (1):78-89.
- Praveen Kumar, D., Anupama, P. D., Singh, R. K., Thenmozhi, R., Nagasathya, A., Thajuddin N. and A. Panneerselvam. (2012) Evaluation of extracellular lytic enzymes from indigenous *Bacillus* isolates. *Journal of Microbiology and Biotechnology Research*. 2(1): 129-137 .
- D. Praveen Kumar^{1*}, Anupama P. D², Rajesh Kumar Singh³, R. Thenmozhi¹, A. Nagasathya⁴, N. Thajuddin⁵ and A. Paneerselvam⁶(2012) Performance studies of free-living tomato (*Lycopersicon esculentum* L.) rhizospheric *Bacillus* for their multiple plant growth promoting activity *Journal of Soil Science and Environmental Management* Vol. 3(6), pp. 142-153, June 2012
- Thenmozhi. R¹, D. Praveenkumar², E. Priya³, A. Nagasathya, N. Thajuddin⁵ (2012) Evaluation of aromatic and polycyclic hydrocarbon degrading abilities of selected bacterial isolates *J. Microbiol. Biotech. Res.*, 2012, 2 (3):445-449

- R. Thenmozhi, K. Arumugam, A. Nagasathya, N. Thajuddin and A. Paneerselvam(2013) Studies on Mycoremediation of used engine oil contaminated soil samples *Advances in Applied Science Research*, 2013, 4(2):110-118
- Anitha Upadhyaya^{1*}, A.Nagasatya², N.Thajuddin ³ and A.Paneerselvam⁴(2013) Isolation and Screening of *Streptomyces* from the Western Ghats for the presence of Amphotericin B *Int.J.Curr.Microbiol.App.Sci* (2013) 2(12): 460-465
- E.Priya,Thenmozhi. R, A. Nagasathya, D.Praveenkumar, N.Thajuddin and G,Muralidharan (2014)Diversity of Actinobacteria in Mangrove Ecosystem of Muthupet, India.*International Research Journal of Environmental studies*,3 (4),13 -17 April 2014.
- E.Priya,Thenmozhi. R, A. Nagasathya, D.Praveenkumar, N.Thajuddin and G,Muralidharan (2014) Antagonistic potential of *Streptomyces flavomacrosporus* GACMPT -57 against plant pathogen .*J.Microbiol.Biotech.Res.*2014,4(1):68-73.
- Upadhyaya Anitha, A. Nagasathya, N. Thajuddin and A. Paneerselvam,Giridhara Upadhyaya (2014).Mutation studies on *Streptomyces* for amphotericin B yield improvement.*Indian journal of Microbiology Research* ,1 (1) : 56 -59.
- ¹G. Buvaneswari, ¹R. Thenmozhi, ²A. Nagasathya and ³N. Thajuddin.Screening of efficient Monocrotophos degrading bacterial isolates from Paddy field Soil of Sivagangai District, Tamilnadu, India. *Journal of Environmental Science and Technology*,Vol.10 (1), pp. 13 -24, 2017.
- Buvaneswari G.^{1*}, Thenmozhi R.¹, Nagasathya A.², Thajuddin N.³ and Praveen Kumar D.⁴ ¹GC – MS and Molecular analyses of Monocrotophos Biodegradation by selected bacterial isolates. *African journal of Microbiology Research*, Vol.12 (3), pp.52-61, 21 January, 2018.
- P Saravanan^{*1}, A Karthikeyan¹, B Padmanaban² and A Nagasathya³ Screening and yield Loss estimation in *Bt* cotton hybrids infested with Mirid Bug *Creontiades biseratense* (Distant),*International publication .Research journal of Agricultural Sciences* : 11(1) -105 -109.Feb 2020.

Annexure-II

Research Experience & Training : Research Guidance Ph.D.
/M.Phil., (Department name)

S.No	Name of the Scholar	M.Phil / Ph.D.	Year	FT/PT	University	Pursuing/ Completed/ Awaiting for Viva
1.	R.Thenmozhi	Ph.D	July 2011	FT	Bharathidasan University	Completed
2	D.Praveen Kumar	Ph.D	June 2012	FT	Bharathidasan University	Completed
3	E. Priya	Ph.D	March 2015	PT	Bharathidasan University	Completed
4	Anitha Upadhyaya	Ph.D	March 2015	FT	Bharathidasan University	Completed

Annexure-III

S.No.	Name of the Training	Name of the sponsoring agency	Place and Date
1	Orientation Course	Tamilnadu State Council for Higher Education and U.G.C – Academic Staff College, University of Madras	University of Madras, Madras held from 09.07.2009 to 05.08.2009
2	Refresher Course	U.G.C	U.G.C – Academic Staff College, Bharathiar University, Coimbatore held from 3.10.2012 to 23.10.2012
3	Refresher Course	U.G.C	U.G.C – Academic Staff College, Bharathidasan University, Trichy held from 03.3.2016 – 23.3.2016

Annexure IV

S.No.	Name of the Event	Name of the sponsoring agency	Place and Date
1	Seminar on Immunology and Immunotechnology	Indian Immunology Society	Department of Microbiology, Bharathidasan University, Tiruchy on 18 th and 19 th sep.2009.
2	One day workshop on DNA Finger printing	UGC –Autonomous grant	Department of Zoology, Government Arts College for Women (Autonomous), Pudukkottai on 11 th Dec.2013.
3	One day Workshop on Secondary Metabolism and Phytochemical Screening	UGC –Autonomous grant	Department of Botany, Government Arts College for Women (Autonomous), Pudukkottai on 11 th Dec.2013.
4.	In-service Training Programme For PG teachers/DIET/TTC/STAFF (Resource Person)	Government of Tamil Nadu, Higher Education, Collegiate Education Department	Government College of Education, Pudukkottai on 5 th to 7 th Nov.2012.
5.	National Conference on Progress in Algology in the Indian Context (Resource Person)	Barathidasan University & Krishnamoorthy Institute of Algology	Department of Microbiology, Bharathidasan University, Tiruchy on 19 th to 21 th sep.2014.