

Curriculum Vitae

Dr. N. Balasubramanian Ph. D.,

Associate Professor

Department of Botany

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Personal Profile

Nationality	:	Indian
Marital status	:	Married
Known Language	:	Tamil, English, Portuguese (Sufficient)
Foreign countries visited	:	Argentina, Germany, Malaysia, Portugal, Spain, Singapore, Taiwan, The Netherland, USA.

Academic Profile

Teaching Experience	:	12 years
Research Experience	:	16 years
Google Scholar Citations	:	1295
	:	h-Index, 18
	:	i10-Index, 22
Scopus Citations	:	712
	:	h-Index, 16
Researcher Id	:	M-3016-2014
Scopus Id	:	57210113524
Orcid Id	:	0000-0003-1819-0730
Teaching subjects	:	Mycology, Plant Pathology, Microbiology and Molecular Biology
Research Interest	:	Microbial and Plant metabolides; Biological control; Host-Pathogen interaction; Microbial genes and Protein characterization.

Fellowships & Awards

- **DST - SERB Ramanujan Fellow** : Department of Science and Technology, Govt of India, New Delhi, 2015.
- **Post Doctoral Fellow** : Foundation for Science and Technology (FCT), Portugal, 2013.

- **Post Doctoral Fellow** : Foundation for Regional Science and Technology (FRCT), Azores, Portugal, 2009.
- **Post Doctoral Fellow** : Directorate of Regional Science and Technology (DRCT), Azores, Portugal, 2006.
- **Post Doctoral Fellow** : National Science Council, Taiwan. 2004.
- **Project Associate Fellow** : UGC – INFHES, India, 2002.
- **Senior Research Fellow** : Department of Biotechnology, India, 2001.
- **Senior Research Fellow** : Department of Ocean Development, India, 1999.

- **Travel Award** : Received from FRCT, Azores, Portugal to attend International Conference on Genomics and Proteomics, Calicut, India, 2011.
- **Travel Award** : Received from EMBO, Germany and FRCT, Azores, Portugal to attend C. elegans development and expression, EMBL-Heidelberg, Germany, 2010.
- **Travel Award** : Received from DRCT, Azores, Portugal to attend Proteomics Europe, Barcelona, Spain, 2009.
- **Travel Award** : Received from DRCT, Azores, Portugal to attend Hostparasite interactions of Biology, Rhode Island, USA, 2008.
- **Travel Award** : Received from DRCT, Azores, Portugal to attend Proteomics Europe, Amsterdam, The Netherlands, 2007.

Research Projects Completed

Funding agency	Duration	Amount	Project Title
DST-SERB, India	October 2015– September 2020	Rs. 1,05,03,000/-	Studies on human disease causing Streptococcus Pathogenesis and their virulence factors.
DRCT, Portugal	November 2007 – September 2009	Rs. 19,00,000/-	Enhancement of nematode activity and biophysical, biochemical, molecular analysis of serine protease and inhibitors.

High lighted Peer Reviewed Publications :

1. **Balasubramanian N, Pounpandi P, Varatharaju G, Shanmugaiah V, Balakrishnan K and Thirunarayan MA.** 2023. Distribution of virulence genes and biofilm characterization of human isolates of *Streptococcus agalactiae*: A pilot study. Colloids and Surfaces B: Biointerfaces. 223, Id. 113151, IF. 6.0 .

2. Priya VT, **Balasubramanian N**, Shanmugaiah V, Sathishkumar P, Kannan N.D, and Karunakaran C. 2021. Partially purified lead molecules from *Dodonaea viscosa* and their antimicrobial inhibitory efficacy against infectious human pathogens, *Journal of Infection and Public Health*, 14, 1822-1830. **IF.7.53**
3. Muthulakshmi L, Pavithra U, Sivaranjani V, **Balasubramanian N**, Sakthivel K, Catalin Iulian Prunce. 2021. Preparation and Characterization of a Novel Ag/Carrageenan–gelatin Hydrogel Hybrid Nanocomposite for biomedical applications. *Journal of the Mechanical Behavior of Biomedical Materials*. 115, doi: 10.1016/j.jmbbm.2020.104257. **IF.4.04**
4. Karmegham N, Vellasamy S, **Natesan B**, Sharma M.P, Al Farraj D.A, Elshikh M.S. 2020. Characterization of antifungal metabolite phenazine from rice rhizosphere fluorescent pseudomonads (FPs) and their effect on sheath blight of rice, *Saudi Journal of Biological Sciences*, 27 (12), 3313–3326. **IF.4.05**
5. Alves-Barroco C, Roma-Rodrigues C, **Balasubramanian N**, Guimaraes MA, Ferreira-Carvalho BT, Muthukumar J, Nunes D, Fortunato E, Martins R, Santos-Silva T, Figueiredo AMS, Fernandes AR, Santos-Sanches I. 2019. Biofilm development and computational screening for new putative inhibitors of a homolog of the regulatory protein BrpA in *Streptococcus dysgalactiae* subsp.*dysgalactiae*. *International Journal of Medical Microbiology*, 309(3-4),169-181. doi:10.1016/j.ijmm.2019.02.001. **IF.3.65**
6. Kuleshevich E, Ferretti J, Santos Sanches I, **Balasubramanian N**, Spellerberg B, Efstratiou A, Kriz P, Grabovskaya K, Arjanova O, Savicheva A, Suvorov A. 2017. Clinical strains of *Streptococcus agalactiae* carry two different variants of pathogenicity island XII. *Folia Microbiologica*, 62(5), 393-399. **IF.2.62**
7. Harikrishnan H, Shanmugaiah V, **Balasubramanian N**, Sharma MP, Kotchoni SO, 2014. Antagonistic potential of native strain *Streptomyces aurantiogriseus* VSMGT1014 against sheath blight of rice. *World Journal of Microbiology and Biotechnology*,30 (12), 3149-3161. **IF.4.25**
8. **Balasubramanian N**, and Simões N. 2014. *Bacillus pumilus* S124A carboxymethylcellulase: a thermo stable enzyme with a wide substrate spectrum utility. *International Journal of Biological Macromolecules*, 67, 132–139.**IF.8.02**
9. Toubarro D, Avila M.M, Hao Y.J, **Balasubramanian N**, Jing Y, Rafael M, Faria T.Q, Brito R.M and Simões N. 2013. A serpin released by an entomopathogen impairs clot formation in insect defense system. *PLoS ONE* 8(7), e69161.**IF.3.75**
10. **Balasubramanian N**, Nascimento G, Ferreira R, Martinez M and Simões N. 2012. Pepsin-like aspartyl protease (Sc-ASP155) cloning, molecular characterization and gene expression analysis in developmental stages of nematode *Steinernema carpocapsae*. *Gene*, 500 (2), 164–171. **IF.3.91**

Articles Published

- Articles published : 40
- Books/Manual : 4
- Book Chapter : 6
- Conference Proceedings : 4
- DNA Sequences to NCBI Data Base : 31

Papers and Posters Presented in Conferences/Symposium/Seminar

National Level	: 40
International Level	: 45
Invited Lectures	: 07
Workshop and Training Course attended	: 10
Conference Session Chair	: 02

Scinetific Activities

Membership in Scientific Bodies	: 10
Journal Associate Editor	: 03
Journal Reveiwed	: 26
Conference Organizing Committee	: 06

Extention Activities

- All India Radio Talk, Tuticorin, Tamil Nadu
- Member in National Service Scheme (NSS)
- Inplant Training to B.Tech Students (KLU)