


Resume

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| 1. Name | : Puniethaa Prabhu |  |
| 2. Designation | : Professor | |
| 3. Qualification | : M.Phil., PGDBI., Ph.D., | |
| 4. Date of Joining | : 15.12.1998 | |
| 5. Nature of Association | : Regular | |
| 6. E mail | : puniethaa@ksrct.ac.in
spunitha156@gmail.com | |
| 7. Mobile no. | : +91 9443486922 | |
| 8. Department | : Biotechnology,
K.S.Rangasamy College of Technology, Tiruchengode | |

9. Teaching Experience :

S.No.	Positions held	Name of the Institute	From	To
1.	Professor	K.S.Rangasamy College of Technology, Tiruchengode	24.09.2013	Till date
2.	Associate Professor	K.S.Rangasamy College of Technology, Tiruchengode	01.07.2010	23.09.2013
3.	Assistant Professor	K.S.Rangasamy College of Technology, Tiruchengode	01.07.2006	30.06.2010
4.	Lecturer	K.S.Rangasamy College of Technology, Tiruchengode	15.12.1998	30.06.2006

10. Projects :

Ph.D. Thesis Title : An Efficient Visual Approach for Automatic Clustering and Validation
Award Year : 2013.

11. Publications :

S.No.	Author (s)	Title	Name of Journal	Volume	Page	Year
International Journals						
1.	G. Mohan1*, Puniethaa Prabhu2 , Jayanthi K.B3	MATLAB Assisted Surface Morphologies Of Pure And Doped ZnO Using Image Processing And Photocatalytic Degradation	PERIODICO di MINERALOGIA	91	3	2022
2.	G. Mohan1*, Puniethaa Prabhu2 , Jayanthi K.B3	Feature Based Cancer Detection From Qin Breast DCE-MRI Images		91	3	2022
3.	Chandrasekaran Ponnusamy1, V.V. Sathibabu Uddandrao1, Sethumathi Ponnusamy Pudhupalayam1, Sengottuvelu Singaravel2, Tamilmani Periyasamy3, Ponnurugan Ponnusamy4, Puniethaa Prabhu5 ,	<i>Lentinula Edodes</i> (Edible Mushroom) as a Nutraceutical: A Review	Biosciences Biotechnology Research Asia	19	1	2022

	Vadivukkarasi Sasikumar1 and Saravanan Ganapathy1*					
4.	Ashaq Hussain Bhat, Korhan Cengiz, Tu Nguyen, Puniethaa Prabhu DOI: 10.1002/mma.7748	An Accurate and Exact Clustering Algorithm for NGS Metagenomic Sequences	Mathematical Methods in the Applied Sciences		1-16	2021
5.	Balakrishnan Kalpana, Puniethaa Prabhu , Ashaq Hussain Bhat, Arun saikiran Senthilkumar, Raj Pranap Arun, Sharath Asokan, Sachin S. Gunthe & Rama S. Verma	Bacterial diversity and functional analysis of severe early childhood caries and recurrence in India	Scientific Reports	Sci Rep 10	21248	2020
6.	Ashaq Hussain Bhat, Puniethaa Prabhu and Kalpana.B	A Critical Analysis of state-of-the-art Metagenomics OTU Clustering Algorithms	Journal of Bioscience	44(148)	-	2019
7.	Arunachalam Thangakumar & Khader Syed Zameer Ahmed & Ahmed Sidhra Syed Zameer & Manimaran Vetrivel & Syed Ameen Syed Tajudeen & Ameer Khadharu Ibrahim Sheriff1 & Puniethaa Prabhu & Jayachandran Philp Robinson & Dastageer M. Sabu	Radical scavenging and antiproliferative effect of novel phenolic derivatives isolated from Nerium indicum against human breast cancer cell line (MCF-7)—an in silico and in vitro approach Doi: 10.1007/s11356-019-07252-x	Environmental Science and Pollution Research	27(9)	9038-9057	2019
8.	Karthikeyen TRS 1*, and Puniethaa Prabhu2	In-Silico Analysis And Identification Of Novel Drugs For Multidrug Resistant Mycobacterium tuberculosis (H37RV) Applying Whole Genome Sequence (WGS) Data Analyses.	Research Journal of Pharmaceutical, Biological and Chemical Sciences	10(6)	189-195	2019
9.	S. Mohideen Badhusha B.G. Geetha Punitha Prabhu R. Vasanthi	Improved Video Streaming using MSVC and Non-overlapping Zone Routing Multipath Propagation over MANETs http://dx.doi.org/10.1002/dac.3578	International Journal of Communication Systems	Vol. 31 e3578	1-23	2018
10.	Ashaq Hussain Bhat, Puniethaa Prabhu	OTU Clustering: A window to analyse uncultured microbial world	International Journal of Scientific Research in Computer	Vol.5, No.6	60-64	2017

			science and Engineering			
11.	Puniethaa Prabhu* , Arun.P, Ashaq Hussain Bhat and Kalpana.B	Comparative Analysis of Soil Microbiome Diversity using QIIME and CloVR Pipelines	CiiT International Journal of Biometrics and Bioinformatics	Vol. 9, No. 1	11-19	2017
12.	Kalaivani .K* & Dr. Puniethaa Prabhu	Biosynthesis of Silver Nanoparticles Using Lactobacillus Acidophilus and White Rot Fungus- A Comparative Study	International Journal of Advance Research, Ideas and Innovations in Technology	Vol. 3, No. 2	299- 306	2017
13.	S.Vadivukkarasi* and Puniethaa Prabhu**	Contextual Abstraction Based Clustering Technique for Effective Text Document Mining	IJCTA © International Science Press	9(28)	1-13	2016
14.	Puniethaa Prabhu and Duraiswamy, K	“An Efficient Visual Analysis method for Cluster Tendency Evaluation, Data Partitioning and Internal Cluster Validation”	Computing and Informatics	Vol. 31, No. 5	1013– 1037	2013
15.	Puniethaa Prabhu and Duraiswamy, K	Enhanced Dark Block Extraction method performed automatically to determine the number of clusters in unlabeled data sets	International Journal of Computers, Communications and Controls	Vol. 8, No. 2,	275- 293	2013
16.	Puniethaa Prabhu and Duraiswamy, K	Graph based Visual Assessment Cluster Tendency for unlabeled data sets	Journal of Computational Information System	Vol. 9, No. 5	1957- 1964	2013
17.	Puniethaa Prabhu and Duraiswamy, K	Enhanced VAT for Cluster Quality Assessment in Unlabeled Data sets	Journals of Circuits, Systems and Computers	Vol. 21, No. 1	1-19	2012
National Journals						
01	Abishek, M, Sajin, A.K. and Puniethaa Prabhu	EnzDB - Creation and interpretation of an enzyme database using bioinformatics tools	International Journal of Biopharmaceutica l and nanomedical Sciences	Vol.2, No.2	115- 120	2013
02	Akhil.T.T. and Puniethaa Prabhu	Evaluation of anti- oxidant, anti- inflammatory and cytotoxicity potential of <i>Hemigraphis colorata</i>	International Journal of Pharmaceutical Science and Research	Vol. 4, No. 9	3477- 3483	2013
03	Puniethaa Prabhu,	Virtual screening of	International	Vol.1,	156-	2012

	Aarhi, R. and Narmada, R.S.	Andrographolide inhibitor for HIV ENV GP 160	Journal of Life Science Biotechnology and Pharma Research	No.1,	166	
04	Padma Priya.R and Puniethaa Prabhu	In silico Identification of Genes, Coding Sequences for iron source and Drug targets from <i>Haemophilus Ducreyi</i>	International Journal of Biometrics and Bioinformatics	Vol 3, No. 10	477-480	2011

Books

Ponmurugan, P., Puniethaa Prabhu, Ayyappadasan, G. and Ganesh Babu, R. 2012. "Current Scenario in Biotechnology", Bloomsbury Publishers, London (ISBN: 978-93-82563-27-3).

12. Research Grants – R & D Funding

S.No	Year	Title of the Project	Name of funding agency	Status (Applied / Granted)	Reference Number	Amount sanctioned (Rs)	Duration of the project (in month)	Role (PI/Co-PI)
01	2021	"Anti-Cancer and anti-oxidant activity of Polysaccharide extracted from <i>Lentinus edodes</i> and inhibitory action against Aromatase, Estrone Sulfatase, and 17 β -Hydroxysteroid Dehydrogenase through Molecular Docking Studies"	ICMR	Granted	Ref. No: ISRM/12(7) / 2020 Dated :01.09.2020	20,07,330	3 years	Co-PI
Total Project Cost : Rs. 20,07,330 Sanction / Revised Project Cost (2020-21) : Rs. 6,52,100 Date of Commencement of Project: 01.10.2021 Proposed Date of Completion: 30.09.2023								

13. Seminars, workshops, conferences, FDP, QIP etc., proposals sponsored and conducted with sponsorship from various funding agencies

S.No	Name of the Funding Agency	Title of the Conference / Workshop	Name of the Coordinator	Amount (Rs.)	Reference Number
1.	AICTE, New Delhi	Advances in Bioinformatics tools in Molecular Research	Mrs.Puniethaa Prabhu (Program Coordinator)	75,000/-	1-4/RID/SEM(71) 2008-09 of Advisor AICTE dated 11-11-2008
2.	DBT, New Delhi	Current Scenario in the Role of	Mrs.Puniethaa Prabhu	1,00,000/-	DBT/CTEP/01/2012008

		Computational Biology in Biotechnology			12 dated 04.09.12
3.	DST, New Delhi	National conference on “Current Scenario in Biotechnology”	Mrs.Puniethaa Prabhu	60,000/-	SR/SS/551/12-13 dated 24.08.2012
4.	DRDO, New Delhi		Mrs.Puniethaa Prabhu	40,000/-	ERIP/ER/12-13/C/93 dated 04.09.2012
5.	AICTE, New Delhi	STTP - Practical approaches for Next Generation Sequencing Technologies and Data Analysis towards health care	Dr.Puniethaa Prabhu	3,29,333	34-65/318/RIFD/STTP/Policy-1/2018-19 dated

14. PhD Guideship :

- Recognized Supervisor (Reference No. 2370438) of Anna University, Chennai under Faculty – Science and Humanities.
- Presently four part-time scholars are pursuing their research and one full-time scholar **Mr. Ashaq Hussain Bhat** completed his PhD viva voce on 05.11.2021 under my guidance.
- **Mohan G** (Reg. No. 1615769223) and **Amsaveni G** (Reg. No. 17244691273) are pursuing Ph.D from Anna University, Chennai under my guidance

15. Guest lecturers delivered outside the campus

S.No	Date	Topic	Nature of the Programme	Venue
01	11.05.2022	One Way Analysis of Variance	Webinar Lecturer via Google Meet	The Copperbelt University School of Mathematics and Natural Sciences, KITWE-ZAMBIA
02	01.02.2022	Phylogenetic Tree Construction	Webinar Lecturer via Google Meet	The Copperbelt University School of Mathematics and Natural Sciences, KITWE-ZAMBIA
01	21.05.2020	Big Data Analytics in Computational Biology	International FDP through webinar	Bishop Appasamy College of Arts & Science, Coimbatore
02	01.10.2019	Challenges and Issues in Next Generation Sequencing Data Analysis in health care	One day Conference on Recent Trends in Genetic and Molecular Diagnosis in Modern Medicine	Gonzaga College of Arts and Science for women, Elathagiri, Krishnagiri
03	11.02.2019	Recent trends and applications in	One day seminar with Hands-on training	Velalar College of Engineering, Thindal, Erode

		Bioinformatics		
04	08 & 09.10.2018	Machine Learning approach using Perl in Bioinformatics	Organized Two days workshop for students	Velalar College of Engineering, Thindal, Erode
05	22.02.2018	Advances in Bioinformatics (Resource Person)	One day seminar with Hands-on training	PSGR Krishnammal College for Women, Peelamedu
06	09.02.2017	Machine Learning Approaches in Bioinformatics	DBT sponsored Seminar	Krishnamal College of Arts and Science, Coimbatore
06	07.10.2016	Challenges and Issues in Big Data Analysis	DBT sponsored Seminar	Department of Computer Applications, KSRCAS, Tiruchengode
07	21.10.2016	Gene Expression Data Analysis	DBT sponsored Seminar	Department of Information technology, KEC, Perundurai
08	02.01.2013	Genetic Algorithms in BI	Sponsored by ICMR	KEC, Perundurai
09	14.12.2012	Research Issues in Bioinformatics	Sponsored by DBT	KEC, Perundurai

16. Membership of Professional Bodies and Societies registered

S.No	Name of the Professional Bodies and Societies	Type of Membership (Annual / Life Member)	Valid up to	Remarks
01	Indian Society of Systems for Science & Engineering (ISSE) – LM054413	Life member	-	-
02	ISTE Chapter	Life member	-	-

17. Details of Editorship of Journals and Magazines approved

S.No	Name of the Journals and Magazines	Type of Editorship Chief / Associate / Assistant	Origin of the Journals / Magazines	Remarks
01	IEEE Transactions on Knowledge and Data Engineering	Journal Reviewer	Journals	-
02	BMV Computational and Applied Science	Journal Reviewer	Journals	
Cumulative number of Editorships till date				04

18. Department Activities : NBA Coordinator, Programme Coordinator under TIER – 1 Category, Academic Coordinator, Placement & Training Coordinator and Exam Coordinator

19. College Activites : Convener for Annual Day Report preparation, Women Empowerment Cell incharge and a member in Internal Compliance Cell of K.S.Rangasamy College of Technology.

20. Personal Details

Husband's Name : K.Prabhu Kumar
Date of Birth & Age : 14.09.1975 & 47 Years
Gender : Female
Marital Status : Married
Permanent Address : 61-62 Ranganathan Street
Karungalpalayam
Erode – 3
Tamil Nadu.

Declaration

I hereby declare that all the information's furnished in this document is free of errors to the best of my knowledge.

Date : 25-07-2023

Place : KSRCT, Tiruchengode

Yours faithfully



(Puniethaa Prabhu)