RESUME

C.Nivetha
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Objective: To be associated with a firm that provides a career and contributes to its progress by applying my skills and knowledge.

ACADEMIC QUALIFICATION

COURSE	INSTITUTION	UNIVERSITY/ BOARD	DURATION	PERCENTAGE OF MARKS
Ph.D. Biotechnology	Bharathidasan University.	Bharathidasan University.	2013	Completed
M.Sc. Biotechnology	A.V.V.M Sri Puspham College, Poondi.	Bharathidasan University.	2011-2013	81%
B.Sc. Biotechnology	Bon Secours College, Tanjore	Bharathidasan University	2008-2011	67%
H.S.C	Punitha Arokia Annai Higer Sec School, Punalvasal.	State Board	2006-2008	54.37%
S.S.L.C	Gov't High School, Sithukkadu.	State Board	2005-2006	67.8%

Working Experience

Institution	Designation	Period	
		From	To
Dept.of Biotechnology, Bharathidasan University, Tiruchirappalli.	University Research Fellowship (URF)	29.10.2013	18.08.2016
Dept.of Biotechnology, Bharathidasan University, Tiruchirappalli.	Project Fellow (DST-SERB)	18.08.2016	18.08.2017

Professional Skills

- Microbiology

  Preparation of culture media, Pure culture techniques, Sterilization methods, Motility determination, Microbial staining techniques, Isolation of Bacteria, Fungi and Actinomycetes, Enumeration of bacteria, Direct microscopic observation of fungal spores and mycelium, Measurement of bacterial growth

rate and generation time, Identification of unknown bacterial strain- Morphology and Biochemical test.

- Microbial Biotechnology

  Isolation, Screening and Identification of potential industrial important microbes- Antibiotic, Amino acid and Enzyme producers, Strain improvement- Chemical and Physical mutation, Production, optimization and estimation of amylase enzyme, Wine and Bread preparation, Production and estimation of ethanol, Immobilization technique, Isolation of protoplast and spheroplast, Assess antimicrobial activity, Liquid liquid extraction.

- Mushroom Cultivation

  Structure and construction of mushroom house, Sterilization of substrates. Spawn production - culture media preparation- production of pure culture, mother spawn and multiplication of spawn. Composting technology, mushroom bed preparation. Spawning, spawn running, harvesting. Cultivation of oyster and paddy straw mushroom.

- Biochemistry

  Estimation of sugar, amino acids and protein.

- Molecular Biology

  Genomic DNA isolation, Quantification of DNA, Construction of Phylogenetic tree.

- Immunology

  Blood grouping, differential counting, Widal test, Rocket immune electrophoresis.

- Bioinformatics

  BLAST.

- Biostatics

  Basics.

Instrumentation familiar with

1. UV-vis Spectrophotometer
2. Electron Microscope
3. PCR
4. Ultra Cooling Centrifuge
5. Fermenter (Bioage lab scale)
6. Electrophoresis unit
7. Rotary Evaporator
8. Column Chromatography
9. Thin Layer Chromotography (TLC)
10. SDS-PAGE
11. Colorimeter

Areas of Interest

- ✓ Molecular Biology
- ✓ Microbial Biotechnology
- ✓ Industrial Biotechnology
- ✓ Environmental Biotechnology
- ✓ Bioinformatics
- ✓ Proteomics

List of Publications

1. **C. Nivetha**, T. Deepika, A. Arjunan, P. Sivalingam, N. Revathi and M. Muthuselvam. "Antimicrobial and Antioxidant Activities of *Streptomyces* sps Isolated from Muthupettai Mangrove Soil". Journal of Pharmaceutical Research International. 2021; 33(50B): 210-234. (ISSN: 2456-9119).
2. **C. Nivetha**, T. Deepika and M. Muthuselvam. "Investigation of Pharmacological Activities of Partially Purified Secondary Metabolites from *Streptomyces parvus* and *Streptomyces californicus".* Biochemical and Cellular Archives. 2022; 22(2): 3985. (ISSN: 0972-5075). (Impact Factor: 0.17)
3. **Nivetha C**, Deepika T and Muthuselvam M. *In silico* Study on p53 Protein Interaction with *Streptomyces* Compounds. Bull. Env. Pharmacol. Life Sci. 2022; 12(1): 103-109.
4. Deepika Thandayuthapani, **Nivetha Chinnappa**, Arjunan Annavi and Muthuselvam Manickam. "Exploration of Culturable Marine *Streptomyces* from Southern Coastal Region of India with Antibacterial Properties". Journal of Pharmaceutical Research International. 2021; 33(42A): 323-334. (ISSN: 2456-9119).
5. Deepika Thandayuthapani, **Nivetha Chinnappa**, Arjunan Annavi and Muthuselvam Manickam. "Phylogenetic and Sequence Profile Analysis of Non-Ribosomal Polyketide Synthase-Adenylation (NRPS) Domain from *Actinobacterium dagang 5".* Bioinformation. 2021; 17(9): 809-813. (Online: ISSN 0973-2063, Print: 0973-8894).
6. Deepika Thandayuthapani, **Nivetha Chinnappa**, Arjunan Annavi and Muthuselvam Manickam. "Extracellular Synthesis of Bactericidal Silver Nanoparticles Using *Actinobacterium Dagang 5*". International Journal for Research in Applied Science & Engineering Technology. 2017; 5(X). (ISSN: 2321-9653). (Impact Factor: 6.887).
7. Deepika Thandayuthapani, **Nivetha Chinnappa**, Arjunan Annavi, Sivalingam Periyasamy and Muthuselvam Manickam. "Purification and Characterisation of Bactericidal Compound from *Actinobacterium dagang 5".* The Pharma Innovation Journal. 2017; 6(10): 264-268. (Online: ISSN: 2277- 7695, Print: ISSN: 2349-8242).
8. Periyasamy Sivalingam, Annavi Arjunan, Thandayuthapani Deepika, **Chinnappa Nivetha**, Manickam Muthuselvam. "Endophytic *Streptomyces* sp. BDUSMP R07 from Solanum trilobatum (Thuthuvalai) for the Biosynthesis of Bactericidal Silver Nanoparticles against Multiresistant *Enterococcus* spp". Online International Interdisciplinary Research Journal. 2014; IV(IV): 73-92. (ISSN: 2249-9598).
9. P. Lalitha, S. Arumugam, A. Sinthiya, **C. Nivetha** and M. Muthuselvam. "Oxalic acid Incorporated Acetamide Single Crystal Growth Dynamics, Characterization, NLO and Antimicrobial Activities via Shock Wave Treatment". Results in Chemistry. 2023; 5: 100790.
10. Revathi N, Arjunan A, **Nivetha C**, Gowri A, Siva Vijayakumar T, Muthuselvam M. "Sirtuin as Molecular Regulator, Gerontology Tool: A Review of Sirtuin System, Characterization and Function in Molecular Biology". International Journal of Pharmaceutical Research. 2021; (ISSN: 0975-2366).

11. Lalitha Ponsankarar, Arumugam Srinivasan, Sugumari Vallinayagam, Sinthiya Arockiaswamy, **Nivetha Chinnappa**, Muthuselvam Manickam, Devan Umapathy, Antony Joseph Velanganni Arockiam. A Systematic Study and Biomedical Investigation on O-Terphenyl Incorporated Copper(II) Chloride Crystal via Slow Evaporation Technique. Macromolecular symposia, 2024; 413(2): 2300065.

NCBI Submissions

1. Genbank MH595926 (Published) – Nivetha Chinnappa and Deepika T
2. Genbank MH595927 (Published) – Nivetha Chinnappa and Deepika T

Industrial Visit

- ✓ CLRI - Central Leather Research Industry, Chennai.
- ✓ Plant tissue culture laboratory, Dept. of Plant Science, Bharathidasan University, Trichy.
- ✓ Edible mushroom cultivation, Gandhiram Rural Institute, Gandhigramam, Dindugal.

Training Programmes

- ✓ Edible Mushroom Cultivation Technology, A.V.V.M Sri Pushpam College, Poondi.
- ✓ Herbal Technology, A.V.V.M Sri Pushpam College, Poondi.

Conference / Workshop / Symposia
Attended / Paper presented

Event	Place	Role
National Seminar on "Medicinal Plants Conservation, cultivation and utilization"	Bon Secours College For Women, Thanjavur	Participated
Seminar on Current Trends In Biological Sciences	A.V.V.M Sri Pushpam College, Poondi.	Participated
National Seminar on "Perspectives of Marine Drugs"	Bharath College of Science and Management, Thanjavur.	Presented a poster on "Beer Production"
International conference on Biodiversity and Biotechnology (ICBB-2016)	Department of Biotechnology, Bharathidasan University, Tiruchirappalli	Presented a paper entitled "Isolation and molecular identification of actinomycetes from Muthupettai mangrove soil"
Two days National Workshop on Edible Mushroom Cultivation	Department of Biotechnology, Bharathidasan University, Tiruchirappalli	Participated

Personal details

Address	:	W/O. Mr. R. Prabhakaran No 2/3, 2nd Floor, Abirami Nagar, Avarampalayam Road, Ganapathy, Coimbatore-641006.
Date of Birth	:	23.03.1992
Marital status	:	Married
Mobile No	:	9626253818
Languages Known	:	English & Tamil

REFERENCE:

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DECLARATION

I hereby declare that the information given herewith is correct to my knowledge and I will responsible for any discrepancy.

NIVETHA.C