

Faculty Profile of Dr. C. Jayaprakash



Dr. C. Jayaprakash
Assistant Professor
Department of Bioinformatics

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Research Area

- Micro RNA analysis
- Molecular Modeling and Drug Design
- Phylogeny & Pathway analysis
- Next Generation Sequencing

Education & Career

Education

Ph. D.,
Subject : Bioinformatics

Institution : Bharathiar University
Affiliated University : Bharathiar University
Year of Award : 2013

M.B.A.,

Subject : Human Resources Management (SDE)
Institution : Bharathiar University
Affiliated University : Bharathiar University
Year of Award : 2010

M.Sc.,

Subject: Bioinformatics
Institution: Bharathidasan College of Arts and Science, Erode
Affiliated University: Bharathiar University
Year of Award: 2007

B.Sc.,

Subject: Animal Science & Bio-Technology
Institution: Chikkaiah Naicker College, Erode
Affiliated University: Bharathiar University
Year of Award: 2005

Career

At Bharathiar University (Reverse Order)

Assistant Professor: November 2016 to Till Date

Past Experience

Senior Research Fellow: February 2013 to September 2013 at Tamil Nadu
Agricultural University (TNAU)

Awards

Awarding agency: University Grants Commission (UGC-RGNF), New Delhi

Country: India

Purpose of award: JRF & SRF

Year of Award: 2007

Memberships

Academic Bodies

Organization : Agricultural Technological Information Centre (**ATIC**), TNAU Coimbatore

Type of Membership: Annual Membership

Period: 2013

Organization : The Madras Agricultural Journal (**MASU**), TNAU Coimbatore

Type of Membership: Annual Membership

Period: 2013

Organization : Indian Science Congress

Type of Membership: Seasonal member

Period: 2011

Projects

Research Guidance

- [Post-Doc](#)
- [Ph.D](#)
- [M.Phil.](#)
- [PG](#)

Tab 1 Content

Ongoing

Accordion content 1.

Awarded

Accordion content 2.

Ongoing

Accordion content 1.

Awarded

Accordion content 2.

Ongoing

Nivetha

Title of the Thesis : Ongoing

Year of Award:2020

Sai Shree

Title of the Thesis : Ongoing

Year of Award:2020

Sindhiya

Title of the Thesis : Ongoing

Year of Award:2020

Treesa Victor

Title of the Thesis : Ongoing

Year of Award:2020

Awarded

Swasthik Pandian. M

Title of the Thesis : Pattern Profile Identification and Post Translational Modifications in Cleavage Characterization of *Cryptococcus neoformans* var. *grubii* genotype A proteins

Year of Award: 2017

Jeevanantham. T

Title of the Thesis : Natural Lead Identification for Human HER2 Protein through Virtual screening based Comparative analysis

Year of Award:2019

Helga Jenifer. M

Title of the Thesis : MetPath: An Android Application for Human Metabolic

Research Publication

- [International](#)
- [National](#)
- [Patents](#)
- [Conferences](#)
- [Books/Chapters](#)
- [DataBase](#)

2017 - 2010

8. Grouping of Phylogeny, Pattern Profile Identification and Post-Translational Modifications in Cleavage

Characterization of *Cryptococcus neoformans* var. *grubii* Serotype A Proteins

JayaprakashChinnappan*, SwasthikPandian

(IJCBB) International Journal of Computational Biology and Bioinformatics, 2017

7. Antibacterial and Antifungal Activity from Seed Extracts of *Peganumharmala*

ChinnappanJayaprakash and VeeranMohanraj

(IJARIIT) International Journal of Advance Research, Ideas and Innovations in Technology, 2016

6. In Silico Drug Design and Extraction of Piperine an Inhibitor for Farnesyltransferase in

Cryptococcus neoformans

V.Mohanraj, B.Aravindan, **C.Jayaprakash** and M.Thenmozhi

(WJPR) World Journal of Pharmaceutical Research, 2014

5. Molecular modeling approach and RMSD calibration for superimposed 3D structure of
DHFR from *Pneumocystis jiroveci* (PCP)
JayaprakashChinnappan, PalanisamyThangavelan Lakshmi and OndariNyakundi Erick
(AJPTR) American Journal of PharmTech Research, 2013
4. High-Throughput Virtual Screening for novel DHFR inhibitors of *P. jiroveci* from the Zinc database
JayaprakashChinnappan and PalanisamyThangavelan Lakshmi
(IJABPT) International Journal of Applied Biology and Pharmaceutical Technology, 2012
3. Molecular modeling approach and RMSD calculation for superimposed 3D structure of HSP70
from *Pneumocystis jiroveci*
JayaprakashChinnappan
(IJBEST) International Journal of Bio-Engineering, Sciences and Technology, 2011
2. Review Article-*Pneumocystis jiroveci* Pneumonia
JayaprakashChinnappan and PalanisamyThangavelan Lakshmi
(AJEBS) Asian Journal of Experimental Biological Sciences, 2011
1. Sequence Based Information and Phylogenetic Analysis of Dihydrofolate Reductase in *Pneumocystis*
JayaprakashChinnappan, SubashiniSwaminathan and PalanisamyThangavelan Lakshmi
(IJGEB) International Journal of Genetic Engineering and Biotechnology, 2010

Tab 2 Content

Tab 3 Content

Tab 4 Content

Books

1. *pneumocystis jiroveci pneumonia (bio-informatics approach)*
chinnappan jayaprakash
Lambert Academic Publishing (LAP), Germany, February, 2014

Chapters

Accordion content 2.

Tab 6 Content

Alumini Reflections: