Contact Information
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Permanent Address
Dr. Prasanthi Cheekurumelli
Door. No:65-3-495,
Ex-servicemen colony,
Malkapuram post
Visakhapatnam-530011.
Andhra Pradesh,
India.

Personal Details

Date of Birth: 30 JUL1987

Age: 34 yrs

Sex: Female

Marital Status: Married

Nationality: Indian

Languages Known: English and Telugu.

Hobbies: Reading books, cooking and craft works.

Dr. PRASANTHI CHEEKURUMELLI, Ph.D.

OBJECTIVE

I strive to provide solutions in a timely manner with uncompromising commitment to quality, reliability, and efficiency to investigate the underlying principles of nature and discoveries to bring about a better tomorrow.

ACADEMIC PROFILE

Degree Awarded	Subjects Studied	% of mark	Duration	Institution & Place
Ph. D	Marine Living Resources	Awarded	2021	Andhra University Campus, Visakhapatnam.
M. Sc	Microbiology	92% (Distinction)	2007-2009	TSR and TBK PG college, Andhra University, Gajuwaka, Visakhapatnam.
B. Sc	Biochemistry Chemistry Microbiology	70%	2004-2007	Aditya Degree college for Women, Kakinada.
Intermediate	Bi.P.C (Biology, Physics and Chemistry)	66%	2002-2004	Gayathri Junior college, Kakinada.
SSC	Biology, Social, Mathematics	63%	2001-2002	Santhinikethan E.M high school, Kakinada.

WORK EXPERIENCE

- Working as **lecturer** in the department of microbiology at St Ann's college for women, Malkapuram, Visakhapatnam. (Since Nov 2020 – Now)
- Worked as **Teaching Associate,** MLR Department, Andhra University, Visakhapatnam, Andhra Pradesh**.** (Since Jan 2017-Nov 2020).
- Worked as **Lecturer**, Dept of Microbiology, Aditya Degree College, Kakinada, and Andhra Pradesh (Since Jul 2013 – Apr 2015).

Microbiologist, QC Department

- *Reddy Drugs Laboratories, Ravulapalem, East Godavari, Andhra Pradesh / Jun 2009 – Jun 2013*

Microbial analysis by Spread plate, pour plate, streak plate, IMViC test, Protein extraction, SDS PAGE, ION exchange chromatography, paper chromatography, quantitative estimation of protein, DNA etc

Honors & Awards:

Awarded Best Scholar Award at 2nd International Research awards on science, Health and Engineering (Science father ID: 1432).

Registered as a regular member of scholar academic and scientific society (SAS/RMSASS/56)

YOUNG SCIENTIST AWARD at international scientist awards 2020 0n Engineering, Science and medicine on 04 & 05-July-2020 at Coimbatore, India.

Registered for postdoctoral membership in American Society for Microbiology for the period of one year (Jan 2020—Dec 2020)

Technical Skills:

Statistics: Measures of central tendency, t-Test, ANOVA, Chi-square Test and Regression analysis.

Computers and Programming skills: MS-DOS, Windows 98 / XP/NT, and MS Office (Word, Excel, PowerPoint)

Interests:

❖ To secure a challenging position in a reputable organization to expand my learnings, knowledge, and skills.

❖ To make use of my interpersonal and academic skills that focuses on innovative ideas, analytical approach along with superior product knowledge and organizational abilities to achieve goals of a company and my career.

MY DOCTORATE THESIS TITLE AND PREFACE

Title

Studies on fishery, characterization and molecular interactions of hemolymph proteins from two mud crab species *Scylla serrata* (forskal, 1775) and *Scylla olivacea* (herbst, 1796) from Visakhapatnam coast, Andhra Pradesh, India

Preface

Oceans occupy more than seventy percent of the earth surface. The tapping of the wealth of these seas or oceans has become an urgent need to survive the human race. As the food resources of the land are lately not increasing in proportion to that of population, seas or oceans affords the next frontier of exploitation and ocean turned out to be the source of food. Humankind started depending on the fishery resources for their food from long years due to its abundance and taste. As science progresses and technology advances, man expects oceans to provide their food. Moreover, there is an acute shortage of protein food; as marine food has much protein and provides the answer to this problem; it has become a firm ground for commerce.

Among the marine fisheries, the crustacean fisheries have been assigned a high priority because of its vast potential for raising the nutritional standard of human diet and as a source of foreign exchange. Crustaceans, which include shrimps, prawns, crabs, and lobsters, crabs, form the main item. Several species of edible crabs are available along the Indian coasts. The edible crabs of India belong to the family *Portunidae*. Among these, the mud crabs and *Scylla* species are economically significant because they are palatable and commercially viable with a high nutritive value. Considering the increasing demand in recent years for these *Scylla* species because of their commercial importance and high economic value of species, and excellent means of obtaining essentials like proteins, lipids and carbohydrates, also due to its potential as a live crab export commodity, mud crab fisheries is picking up in the recent years in India.

However, previous studies have almost entirely focused on *S. serrata*; global status of production and commercialization of soft shell crabs reported by Hungria et al., in (2017) stated that, despite its origin, either from aquaculture or fisheries, the main species produced as soft-shell swimming crabs are *S. olivacea* and *S. serrata*. Moreover, very little molecular-level information exists on the *S. olivacea*; no complete sequencing level information and experimental protein structural data on these *Scylla* species in databases exist. Therefore, further research studies are needed to investigate more on *S. olivacea* with respective to *S. serrata*. Finally, more specific research questions or another good research line would be required to understand more entirely so far lacking in the scientific literature. Hence, the present study focused on studying aspects like crab fishery, biochemical, protein profile and determination of amino acids with its interactions in *Scylla* species. These aspects have been studied on the hemolymph samples of mud crabs collected from Visakhapatnam, Andhra Pradesh, India.

PERSONAL AND PROFESSIONAL SKILLS

Personal skills:

- Focused and hardworking; able to troubleshoot complex problems.
- Adept at managing multiple, diverse tasks simultaneously; work well under pressure.
- Self-motivated with strong leadership
- Goal-oriented professional with exceptional technical knowledge and skills.
- Effective team player with exceptional communication and interpersonal skills.

Professional skills:

- Leadership skills to motivate others to complete a series of tasks, often according to a schedule.
- Ability to teach and mentor
- Developing interpersonal skills with in students to work efficiently with others to solve their problems
- Try to evaluate situations objectively before making decisions or taking actions.
- Flexibility, Risk-taking, time management and try to use up-to-date teaching methods.

EXPERIENCED IN BIOINFORMATICS AND BIOLOGY LAB

❖ Experienced in microbiology and biochemistry and molecular biology techniques like extraction methods and PCR etc.

❖ Experienced and learned many things in many areas related to biology, chemistry and computer science through offline and online conferences, seminars and faculty development programs.

❖ Gained knowledge in basic statistical softwares like SPSS and molecular docking softwares like AutoDock, discovery studio and Pymol etc.

WORKSHOPS/ SEMINARS/ CONFERENCES ATTENDED

✓ Certificate for attending training programme on Mushroom Cultivation at dept of Horticulture, Visakhapatnam on 3/12/08.
✓ Participated in Skill development programme by centre for entrepreneurship development cell for women, Canara Bank from 16/02/12 to 22/02/12.
✓ Participated in one day National Workshop by JNTU, Kakinada-25/01/14.
✓ Participated in two-day National conference at St. Joseph's college for women, Visakhapatnam. 24/07/14 to 25/07/14.
✓ Participated in Crash course in spoken English, Andhra University, Visakhapatnam. 7/09/15 to 11/09/15.
✓ Oral presentation of research paper at 85th Annual session KIIT university, Bhubaneswar 6/12/15 to 8/12/15.
✓ Oral Presentation of research topic at 104th Indian science congress S.V University, Tirupati 3/01/17 to 7/01/17.
✓ Completed training programme on live feed culture at ICAR-CMFRI, Visakhapatnam. 30/01/17 to 4/02/17.

- ✓ Participated in two day National seminar at Dr.V.S.Krishna Govt Degree College, Visakhapatnam 15/02/17 and 16/02/17.
- ✓ Participated at UGC sponsored two day national seminar, Andhra University 3/03/17 and 4/03/17.
- ✓ Poster presentation at National seminar NS-EUBRM, Visakhapatnam 28/06/17 to 30/06/17.
- ✓ Participated in A.P Science Congress 2017, Andhra university, Visakhapatnam 7/11/17 to 9/11/17.
- ✓ Participated in National seminar APFISH Tech 2018 by ICAR-CIFT, Visakhapatnam 23/03/18.
- ✓ Participated in two day exhibition, fish festival, Technical session by NFDB at Visakhapatnam 9/07/18 and 10/07/18.
- ✓ Poster presentation at 2 day National seminar by Adikavi nannaya University, Rajamahendravaram 16/08/18 and 17/08/18.
- ✓ Participated at National workshop, chemical engineering department, Andhra University. 16/02/18 and 17/02/18.
- ✓ Participated at two day National seminar by dept of biotechnology and food, nutrition and Dietetics, Andhra University, Visakhapatnam 27/10/18 and 28/10/18.
- ✓ Poster Presentation at 5th Andhra Pradesh Science Congress held at Dr. B. R. Ambedkar University, Srikakulam 28/11/19 to 30/11/19.
- ✓ Participated in the Seminar organized by AU-AASDC, MLR Department, Andhra University 12/2/20

WORKSHOPS/ SEMINARS/ CONFERENCES ORGANIZED

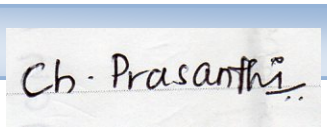
- ❖ Conducted National level Webinar on "Scope of microbiology in pharmaceutical industries" on 19/7/2021 for UG students at St. Ann's College, Visakhapatnam.
- ❖ Conducted 4days internship programme on "Wild life conservation" under the guidance of East coast conservation team for UG students at St. Ann's College, Visakhapatnam.

MY RESEARCH PUBLICATIONS IN PEER REVIEWED JOURNALS

1. **Ch. Prasanthi,** C. Manjulatha, Molecular Docking Studies on TRPV1 (Inhibitors using gold tested on Rattus 2nyj), EUROPEAN ACADEMIC RESEARCH, Vol. 2,(3), 2014.
2. **Prasanthi Ch.** and K. Ramesh Babu, Comparative Evaluation of *Scylla* species from two fishery conservation areas of East coast of Andhra Pradesh, India. International Journal of Bio-Pharma Research, Volume 8, Issue 5 (2019) pp. 2593-2601.
3. **Prasanthi, Ch**, Ramesh Babu, Jhansi Rani, Protein Content Variations in the Crude Haemolymph of Male and Female Crab *Scylla olivacea* from the Coast of Visakhapatnam, Andhra Pradesh, India, Volume XII, Issue XI, 2020
4. Dr. Prasanthi. Ch Published a paper on Efficacy of Toothpaste on Microbiota Isolated from Air, Department of Microbiology - St. Ann's College for Women, Vishakhapatnam - India in Voxcon publicationCitation Prasanthi. Ch, et al. (2022) Efficacy of Toothpaste on Microbiota Isolated from Air. Microbial Biotechnology Pages 2(1): 2.

DECLARATION

I hereby declare that all information that I enclosed here is true and brief as per my knowledge and belief.



Date: 30/04/22

Dr. Prasanthi Cheekurumelli