

## RESUME

### VIJAYALAKSHMI V

D/O Venkataramanaiah M.,  
B.O.B. Camp, Beside Grama jyothish  
high school road, Lakkavalli & post.  
Tarikere Tq, Chikkamagalore (D),  
Karnataka – 577 128.

**Email Id:** [vijayalakshmi.95v@gmail.com](mailto:vijayalakshmi.95v@gmail.com)

**Mobile:** +91 9686170951

#### Objective:

Aiming to join an esteemed university as a lecturer where I can continue to grow professionally. I am passionate about teaching and looking for an opportunity to use my knowledge to become an effective Bio- Science expertise as a lecturer.

#### Academic Profile:

Qualification	Institution	Year of Passing	Marks	%
Ph.D (Bio-tech)	Kuvempu University	2023	<b><i>Awaiting for Thesis submission</i></b>	
	Ph.D. Course work exam	2019	258/350	73.71%
M.Sc., (Bio-tech)	Kuvempu University	2019	1450/2100	69.05%
B.Sc., (B.Bt.C)	Sahyadri Science College (Autonomous)	2016	2217/3200	69.28%
PUC	Govt. PU College for girls, Tarikere.	2013	318/600	53%
SSLC	Grama Jyothi High School, Lakkavalli.	2011	625/427	68.32%

#### Technical Expertise:

- Computer's basic.
- Operating Systems; MS Excel, Word and PowerPoint.
- Proficient with use of various Internet search engines.
- Well versed with use of Personal Computer and Windows applications.

#### Skills & Strength

- Good communication skills, hard working and result oriented.
- Quick learner.
- Ability to work independently.
- Effective time management.
- Sincerity and precision through multi tasking.

## Personal Information

Name : Vijayalakshmi V  
Father's name : Venkataramanaiah M  
Mother's name : Chandrakala B. O  
Date of birth : 09 August 1995  
Gender : Female  
Marital Status : Unmarried  
Nationality : Indian  
Languages Known : Kannada, Telugu and English  
Hobbies : Travelling, Reading, Listening music, watching news,

## Research area of interest

Biotechnology, Cancer biology, Biochemistry, Bioinformatics, Microbiology, Drug Discovery, Ethno botany. Environmental science.

## Project works

1. M.Sc project was on "The impact of nitrogen fixers and phosphate solubilising microbes on Sorghum yield" under the guidance of Dr. Pradeep, S., Co-ordinator, Organic farming research centre, University of Agriculture and Horticultural sciences, Shimoga.
2. B.Sc Biotechnology Dissertation was on "Severe combined immuno deficiency (SCID)" under the guidance of Mr. Rakesh H., Dept. of Biotechnology, Sahyadri Science College, Shimoga.
3. B.Sc Botany Project on "Studies on the Vermicomposting by using earth worms" under the guidance of Dr. Nataraja, S., Dept. of Botany, Sahyadri science college, Shimoga.
4. B.Sc Chemistry Dissertation was on "Study of Drugs: Chemistry" under the guidance by Dept. of Chemistry, Sahyadri science college, Shimoga.

## Paper/Posters presented in National/International conferences

1. **Ms. Vijayalakshmi V** and Manjunatha H., "Computer-assisted drug design of AITC for treatment of cancer: a combined molecular target identification study and drug target prediction". **Oral presented** at two days international virtual conference on "Biological Innovations & computational exploration for pandemic challenges (BICPAC'22) organized by the Department of Biotechnology & Bioinformatics, Bishop Heber College (Autonomous), Tiruchinapalli, Sponsored by the Department of Biotechnology & Council of Scientific and Industrial Research, Ministry of Science & Technology, Government of India, during, during 24<sup>th</sup> and 25<sup>th</sup> February 2022.
2. **Ms. Vijayalakshmi V.**, and Manjunatha H., "Investigation of Druggability, Bioactivity of Allyl isothiocyanate (AITC) using *in silico* ADME and Toxicity prediction tools". **Poster presented** in Life Sciences (IRDLS – 2022)" Organized by the Department of Biochemistry & Food Technology, Kuvempu University, Shankaraghatta, during 30<sup>th</sup> and 31<sup>st</sup> March 2022.
3. **Ms. Vijayalakshmi V.**, and Manjunatha, H., "Drug design of Allyl isothiocyanate for cancer treatment: the molecular target identification study and drug target prediction". **Poster presented** in two days national conference on "Impact of food on lifestyle diseases (IFLD - 2023)" Organized by Department of Food Technology, Kuvempu University, Jnana Sahyadri, Shankaraghatta – 577 451, Shimoga Dist, Karnataka, India, During March 28<sup>th</sup> and 29<sup>th</sup>, 2023.
4. **Ms. Vijayalakshmi V.**, and Mahesh, S., "Isolation and purification of food processing enzyme beta – galactosidase". **Poster presented** in two days national conference on "New Horizons in Biological Sciences (NHBS - 2019)" Organized by Department of Botany and Seed technology, Sahyadri science college, Shimoga during 22<sup>nd</sup> – 23<sup>rd</sup> February, 2019.
5. **Ms. Vijayalakshmi V.**, "Vermicomposting" **Poster presented** in two days national seminar on "Frontier research in diversity and taxonomy of medicinal plants" Organized by Biological science departments, Kuvempu university, Shankaraghatta during on 4<sup>th</sup> and 5<sup>th</sup> November 2016.

## Publications /Contributions

1. **Vijayalakshmi V.**, Manjunath H\*., Preema Karal Andrade and Nayna P. 2023, "Computed – Assisted drug design of AITC for treatment of cancer: A combined molecular target identification study and drug target prediction", Research Journal of Biotechnology, Vol. 18 (3), March (2023), Scopus. Scopus (ISSN – 0973 - 6263), UGC care list, Web of Science (ISSN – 2278 - 4535), Impact factor 0.233 (SCI).
2. **Vijayalakshmi, V.**, Manjunatha, H\*., Preema Karal Andrade and Nayana, P., 2023, "Unravelling the molecular mechanism of Allyl isothiocyanate (AITC) through network pharmacological approach; Protein–ligand interaction study and its validation on the biological system". International journal of biology and biotechnology, 20 (1): 17 – 29. Web of Science (ISSN – 1810 -2719) January 2023, Vol. 20, no. 1. ISI indexing, UGC care list, Impact factor value 1.307 (ICR).
3. **Vijayalakshmi V**, Pradeep S, Manjunath H, Krishna V and Jyothi V., 2020, "The impact of nitrogen fixers and phosphate solubilising microbes on Sorghum (*Sorghum bicolor*) yield". Current Biotechnology, Volume 9, Issue 3, page No. 198-208. Doi: 10.2174/2211550109666191218125559.
4. Andrade PK, Hanumanthappa M, **Venkataramaniah V**, Prakash N. Protein interaction network analysis of beta–catenin to map its crucial interacting genes using system biology approach. Int. J. Pharm. Scie. Drug Res. 2023; 15 (2): 1 – 3.
5. Prakash, N., Hanumanthappa, M., Preema, K.A., & **Vijayalakshmi, V.** (2022). "Investigating drug–target interactions of piperine in prostate cancer using network pharmacology and docking studies". Res. J. Biotech, 17(10), 32 – 42. <https://doi.org/10.25303/1710rjbt32042>.
6. Prakash Nayana, Hanumanthappa Manjunatha, Pavan Gollapalli, Avinash Karkada Ashok, Preema karal Andrade & **Vijayalakshmi V.** (2023). "Combined *in vitro* and molecular dynamics simulation studies unveil the molecular basis of the anticancer potential of piperine targeting AKT1 against prostate cancer". Journal of Biomolecular structure and dynamics. <https://doi.org/10.1080/07391102.2023.2220045>.
7. Jyothi, V., Thippeswamy, B., Noor Nawaz, A.S., Pradeep, D. S., and **Vijayalakshmi, V.**, (2022). "Response of Sorghum (*Sorghum bicolor*) for different VAM inoculants: Screening study". International Journal of current science. Vol 12, issue 4. Page no. 1 – 14.

## **Workshops**

1. One day workshop on "Research Methodology" Organized by Scheduled caste and Scheduled Tribe developmental cell, Kuvempu University, held on 27<sup>th</sup> March 2019 at Kuvempu University, Shankaraghatta, Shimoga.
2. UGE – CPE Sponsored One day workshop on "Prerana & Sadhaneyedege..." Organized by Women empowerment cell at Sahyadri Science College (A), Shimoga, on 24<sup>th</sup> March 2015.

## **National / International Conferences**

1. Two days National conference on "Impact of food on life style diseases" (IFLSD-2023) during 28<sup>th</sup> and 29<sup>th</sup> March 2023, organized by Dept. of Food technology, Kuvempu university, Shankaraghatta, Shimoga.
2. National conference on "Innovative microbial trends and challenges in the environment (IMTCE - 2020)" held at Dept. of Microbiology, Kuvempu university, Shankaraghatta, Shimoga during 2<sup>nd</sup> March, 2020.
3. International virtual conference on "Biological innovations & computational exploration for pandemic challenges (BICPAC'22)" during 24<sup>th</sup> & 25<sup>th</sup> February, 2022 , Sponsored by Dept. of Biotechnology & Council of Scientific and Industrial Research, Ministry of Science & Technology, Government of india, organised by Dept. of Biotechnology & Bioinformatics, Bishop Heber college (A), Tiruchinapalli.
4. Two days National conference on, "Impact of Research Development in Life sciences" (IRDLS-2022), "Impact of Research development in life sciences" during 30<sup>th</sup> , 31<sup>st</sup> March 2022, Organised by Dept. of Biochemistry & Food technology, Kuvempu university, Shanakaraghatta, Shimoga.
5. Two days National conference on "New Horizons in Biological Sciences (NHBS - 2019), Organized by Dept. of Botany and Seed technology, Sahyadri science college, Shimoga on 22<sup>nd</sup> – 23<sup>rd</sup> February, 2019.
6. A UGC sponsored two days National conference on "Biotechnology in health care: Bench to Bedside" Organized by the Dept. of Biotechnology, Sahyadri science college, Shimoga on 27<sup>th</sup> and 28<sup>th</sup> of September, 2013.
7. National conference on "Phytochemicals and Microbial Bioactive Compounds – Role in Agricultural and Humana Welfare (PMBC – 2019)", held on 3<sup>rd</sup> and 4<sup>th</sup> October, 2019, Organized by Dept. of Microbiology and Biotechnology, Bangalore University, Bangalore.

8. AICTE Sponsored two days National conference on, "Emerging multi Disciplinary trends in Biotechnology & Engineering: A future Perspective", held at Acharya Institute of Technology, Soladevanahalli, Bangalore, on 23<sup>rd</sup> and 24<sup>th</sup> August 2019.
9. Two days National conference on "Exploring innovative Research and Developments in Chemical sciences" (EIRDS - 2019). Organized by the Dept. of Chemistry, Kuvempu university, Shankaraghatta, Shimoga, during 1 & 2, March – 2019.

#### **Seminars/ webinars/ online quiz/online guest lecture**

1. One day state level seminar on "Path to entrepreneurship in life sciences" held on 22<sup>nd</sup> Feb. 2017, Organized by Dept. of Microbiology, Kuvempu university, Shankaraghatta, Shimoga.
2. DBT, Ministry of science and technology, New Delhi sponsored two days National seminar on "Frontier research in diversity and taxonomy of medicinal plants", Organized by the Biological science departments, Kuvempu University, Shankaraghatta, Shimoga, on 4<sup>th</sup> and 5<sup>th</sup> November 2016.
3. LIS Academy, Bangalore Sponsored Two days National seminar on "Tool kit to accelerate research" held on 22 – 23 March, 2019. Organized by Kuvempu University Library, Shankaraghatta, Shimoga.
4. One day national seminar on "Emerging viral diseases – Covid – 19 & KFD and their prevention" held at Dept. of Microbiology, Kuvempu University, Shankaraghatta, Shimoga, during 8<sup>th</sup> March 2021.
5. One day National seminar on "Recent perspectives in Biotechnology research" Organized by the Dept. of Biotechnology, Kuvempu university, Shankaraghatta, Shimoga, on the 31<sup>st</sup> March 2022.
6. Intra college management fest on "Infusion – combat to identity" in the event "Human resource" held on 18<sup>th</sup> March 2015, Organized by Dept. of commerce and management forum, Sahyadri arts & commerce college, Shimoga.
7. National level online Quiz on "Importance of Algae" Organized by the Dept. of Microbiology, S.R.N.M.N College of Applied sciences, Shimoga. Karnataka on 29<sup>th</sup> to 31<sup>st</sup> July, 2020.
8. One day Webinar on "Grow, Nourish, Sustain : Together" conducted on the occasion of 'World food day', held on 16<sup>th</sup> October 2020, conducted by

Food technology forum, Dept. of Food technology, Davanagere University, Davanagere.

- 9.** One day Webinar on "nanotechnology in Medical field: Promises & challenges on 29<sup>th</sup> September, 2020. Co-ordinated by SDM research institute for biomedical sciences, Dharwad, Karnataka, Organized by Shri Dharmasthala Manjunatheshwara University, Dharwad.
- 10.** Online lecture on "Aspects and prospects of Vanya silks in India" on June 11, 2020, Sponsored by ICAR – National agricultural higher education project (NAHEP), Centre for advanced agricultural science and technology (CAAST) on "secondary agriculture". Organized by Agricultural University (NAU), Navasari.
- 11.** International webinar on "Natural products development" held on 31<sup>st</sup> May 2020 by Dept. of Food technology, Davanagere University, Davanagere.
- 12.** International webinar on "Emerging trends in Biotechnology and Bioinformatics 2020" on 3<sup>rd</sup> – 5<sup>th</sup> September, 2020 organized by the Dept. of Biotechnology & Bioinformatics, Yogi vemaana university, Kadapa, Andhra Pradesh.
- 13.** Online lecture on "Sustainable management of NTFPs for livelihood, energy efficiency and income generation of tribal communities: A case study from the Western ghats of Karnataka, India on June 13, 2020, Sponsored by ICAR- National agricultural higher education project (NAHEP), Centre for advanced agricultural science and technology (CAAST) on "Secondary agriculture", Organised by Navasari agricultural university (NAU), Navsari.
- 14.** State level awareness quiz on "Kysanur forest disease" organized by the Dept. of Microbiology, S.R.N.M.N College of applied sciences, Shimoga.
- 15.** One day International Webinar on "The implementer role of chemical and biological sciences in conflict contrary to Covid – 19 (ICBSC-2021)" Organized by Dept. of Chemistry, H.K.E society's Shri Prabhu Arts science and J.M. Bohra Commerce degree college, Shorapur, Yadagiri, Karnataka – India held on 29<sup>th</sup> January 2021.

## Ph.D details

- Name of the candidate and postal address : **Ms. VIJAYALAKSHMI, V**  
Research Scholar,  
Department of P. G. Studies and Research in  
Biotechnology, Jnana sahyadri,  
Kuvempu University,  
Shankaraghatta – 577 451.
2. Name of the Guide : **Dr. Manjunatha. H**  
Professor & Chairman,  
Dept. of Biochemistry, Bangalore University,  
Jnana Bharathi campus, Banagalore – 560056.
3. Name of the Co-Guide (if any): ---
4. Area of the research work: Biotechnology
5. Topic of the research work : ***“System biology prediction and validation of Anti-cancer property of AITC”.***
6. Registration No. and Date : **541/ 27-12-2018**
7. Course work examination : Passed with 73.71 %
8. Thesis submission date : Awaiting for Thesis submission on **October, 2023**

**Declaration:** all the above information is correct up to my knowledge and I bear the responsibility of the correctness.

Place:

Date:

Vijayalakshmi V