


## Faculty profile

Name	Dr. Y. Venkateswarlu	
Designation	Assistant Professor in Biotechnology	
Email	venkibiotech@gmail.com	
Qualifications	M.Sc (Biotechnology) 2003-05. Ph.D (Life Sciences) from HCU 2006-2011.	
Previous experience	One year Aug 2005 to Aug 2006 worked as Junior Research Fellow in ANGRAU, Hyderabad.	
Experience as Lecturer	12.0 Years. Joined as Lecturer in Biotechnology in Dec 2011 through APPSC.	
Orientation Courses attended	Participated in 28 days UGC Sponsored orientation course organized by Maulana Azad National Urdu University, Hyderabad, held from 09-04-2015 to 06-05-2015.	
Refresher Courses attended	<ol style="list-style-type: none"> <li>1. Participated in online Refresher Course course in 'Life Sciences' organized by UGC-HRDC Osmania University, Hyderabad held from 15.11.2022 to 28.11.2022.</li> <li>2. Participated in one week UGC approved short term FDP on 'Implementation oof NEP-2020 for University and College Teachers' organized by IGNOU, New Delhi held from 09.09.2022 to 17.09.2022.</li> <li>3. Participated in two week UGC- Sponsored refresher course in 'Life Sciences' organized by Maulana Azad National Urdu University, Hyderabad, held from 17-09-2020 to 30-09-2020.</li> <li>4. Participated in MHRD sponsored two week FDP on "Advanced concepts for developing MOOCS" organized by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), Ramanujan College, University of Delhi held from 02-07-2020 to 17-07-2020.</li> <li>5. UGC-Sponsored refresher course on 'Drug and Drug Delivery Research: A Recent Advancement' organized by Jawaharlal Nehru Technological University, Hyderabad, held from 05-12-2019 to 18-12-2019.</li> <li>6. Participated in two week UGC-Sponsored refresher course on 'Drug and Drug Delivery Research: A Recent Advancement' organized by Jawaharlal Nehru Technological University, Hyderabad, held from 05-12-2019 to 18-12-2019.</li> <li>7. Participated in 21 day refresher course on 'Communication skills in effective teaching' organized by Jawaharlal Nehru Technological University, Hyderabad, (A.P) held from 17-05-2013 to 06-06-2013.</li> <li>8. Participated in 21 day refresher course on 'Recent advances in Biotechnology and Bioinformatics' organized by Jawaharlal Nehru Technological University, Hyderabad, (A.P) held from 05-11-2012 to 26-11-2012.</li> </ol>	

Other Courses attended	<ol style="list-style-type: none"> <li>1. Participated in one week online FDP course on ‘Moodle Learning Management System’ organized by Government Degree College, Khairatabad with course material provided by Spoken Tutorial Project, IIT Bombay held from 05.07.2021 to 12.07.2021.</li> <li>2. Participated in one week online FDP course on ‘Introduction to Computers’ organized by Government Degree College, Khairatabad with course material provided by Spoken Tutorial Project, IIT Bombay held from 05.07.2021 to 12.07.2021.</li> <li>3. Participated in DBT-Sponsored two day workshop on ‘Hands on training on Bioanalytical Techniques and Bioinformatics’ organized by Bhavan’s Vivekananda College of Science, Humanities &amp; Commerce, Sainikpuri, Secunderabad, held on 22-11-2019 and 22-11-2019.</li> <li>4. Participated in SWAYAM online 4 credit course on ‘Analytical Techniques’ offered by AIIMS, New Delhi for the session July-October 2019.</li> <li>5. Participated in one week UGC-Sponsored short term course on ‘Soft Skills and Professional Ethics’ organized by Jawaharlal Nehru Technological University, Hyderabad, held from 26-08-2019 to 31-08-2019.</li> <li>6. Participated in 5 day training programme on “Entrepreneurship Faculty Educator Programme” organized by PMYUVA YOJANA, Ministry of Skill Development &amp; Entrepreneurship held from 18-12-2017 to 22-12-2017 at Dayananda Sagar College of Engineering, Bengaluru.</li> <li>7. Participated in 3 day training programme on ‘Basic Course on Disaster Management’ organized by Dr. MCR HRD Institute, Hyderabad, held from 31-01-2017 to 02-02-2017.</li> <li>8. Participated in two day training programme on ‘NIPUNA’ organized by Commissionerate of Collegiate Education, Hyderabad, held from 19-04-2016 and 20-04-2016.</li> <li>9. Participated in 5 days DST Sponsored training programme on ‘Creativity &amp; Innovation Management in Research’ organized by Engineering Staff College of India, Hyderabad, held from 26-10-2015 to 30-11-2015.</li> </ol>
Member in societies	Life membership (L40919) in Indian Science Congress Association (ISCA).
Awards	<ul style="list-style-type: none"> <li>▪ CSIR-JRF(NET) qualified under ‘Life Sciences’ discipline (2005).</li> <li>▪ ICAR-NET qualified under ‘Agricultural Biotechnology’ discipline (2005).</li> <li>▪ DBT-Research fellow award from DBT for pursuing M.Sc. Biotechnology (2003-05).</li> </ul>
Papers published	<ol style="list-style-type: none"> <li>1. <b>Venkateswarlu Y</b> (2019). Evaluation of anticancer compounds from suspension cultures of Holy Basil (<i>Ocimum sanctum</i> L.). International Journal of Green Pharmacy, 13 (2): 98-102</li> <li>2. <b>Venkateswarlu Y</b> and Rajagopal S (2015). Peptide design against LHCA1 of <i>Chlamydomonas reinhardtii</i>. (Eds.</li> </ol>

Viswanath B and Indravathi G) Paramount Publishing House, India, pp. 158-160.

3. Nellaepalli S, Zsiros O, Tóth T, **Yadavalli V**, Garab G, Subramanyam R, Kovács L. (2014). Heat- and light-induced detachment of the light harvesting complex from isolated photosystem I supercomplexes. *Journal of Photochemistry and Photobiology B: Biology*, 137: 13–20. (IF: 2.1). ISSN: 1011-1344.
4. Siva Prasad Y. V. N., Krishna M.S.R. and **Yadavalli, V.** (2013). Correlation and Path analysis in F<sub>2</sub> and F<sub>3</sub> generations of Cross JLSV 4 X TC 25 in sesamum (*Sesamum indicum* L.). *Advance Crop Science*, 3(5): 370–375.
5. **Yadavalli, V.**, C. Malleda, Subramanyam, R. (2013). 3D Model of PSI-LHCI Supercomplexes from *Chlamydomonas Reinhardtii*. *Photosynthesis Research for Food, Fuel and the Future*, Springer Berlin Heidelberg: 17-20.
6. Siva Prasad Y. V. N., Krishna M.S.R. and **Yadavalli, V.** (2013). Correlation, path analysis and genetic variability for economical characteristics in F<sub>2</sub> and F<sub>3</sub> generations of the cross AVT 3 × TC 25 in Sesamum (*Sesamum indicum* L.). *Journal of Environmental and Applied Bioresearch*. 1(2): 14-18. (ISSN 2319-8745).
7. Sivaprasad, Y.V.N and **Yadavalli, V.** (2012). Correlation, path analysis and genetic variability in F<sub>2</sub> and F<sub>3</sub> generations of cross Padma × JLSV 4 in sesamum (*Sesamum indicum* L.). *International Journal of Agricultural Sciences*, 2(12): 311-314. ISSN: 0975-3710.
8. **Yadavalli, V.** Neelam, S., Rao, A.S.V.C., Reddy, A.R. and Subramanyam, R. (2012). Differential degradation of photosystem I subunits under iron deficiency in rice. *Journal of Plant physiology* 169: 753 - 759(IF: 2.69).ISSN: 0176-1617.
9. **Yadavalli, V.**, Gajendra P. N., Krishna, M.S.R., Nagarajan, P. and Bharathi, M (2012). Tagging of Brown Planthopper Resistance Genes in the F<sub>2</sub>s of IR50 × Ptb33 of Rice by using Bulk Segregant Analysis. *Rice Science*, 19(1): 70–74. ISSN 1672-6308.
10. **Yadavalli V**, Jolley C. C, Malleda C, Thangaraj B, Fromme P, and Subramanyam, R. (2012) Alteration of Proteins and Pigments Influence the Function of Photosystem I under Iron Deficiency from *Chlamydomonas reinhardtii*. *PLoS ONE* 7(4): e35084. doi:10.1371/journal.pone.0035084(IF: 4.41).eISSN-1932-6203.
11. **Yadavalli, V.**, Nellaepalli, S. and Subramanyam, R. (2011). Proteomic analysis of thylakoid membranes. *Methods in*

	<p>Molecular Biology 684, 159-170. (IF: 13.9). ISSN: 1064-3745.</p> <p>12. <b>Yadavalli, V.</b>, Mallela, C. and Subramanyam, R. (2011). Protein-protein interactions by molecular modeling and biochemical characterization of PSI-LHCI supercomplexes from <i>Chlamydomonas reinhardtii</i>, <i>Molecular Biosystems</i> 7: 3143–3151. (IF: 3.82) ISSN: 1742-206X.</p> <p>13. <b>Yadavalli, V.</b>, Gajendra P. N., Nagarajan, P. and Bharathi, M (2011). Identification of coupling- and repulsion-phase markers in rice for brown planthopper resistance genes using F<sub>2</sub>S of IR 50 X CO 46. <i>Journal of Plant Breeding and Crop Science</i>. 3(1). 1-7. ISSN: 2006-9758.</p> <p>14. Krishna, M.S.R., <b>Yadavalli V.</b>, Salam, S.A. and Naik, C.B. (2011). Genetic Analysis of Capsicum Commercial Varieties using RAPD Markers. <i>Advanced Biotech.</i>, 10(6): 12-16. ISSN: 0973-0109.</p> <p>15. Subramanyam, R., Goud, M., Sudhamalla, B., Reddeem, E., Gollapudi, A., Nellaepalli, S., <b>Yadavalli, V.</b>, Chinnaboina, M., and Amooru, D.G. (2009). Novel binding studies of human serum albumin with trans-feruloyl maslinic acid. <i>Journal of Photochemistry and Photobiology B: Biology</i> 95: 81-88. (IF: 2.1). ISSN: 1011-1344.</p>
Other Seminar papers	<ol style="list-style-type: none"> <li>1. Presented a paper on ‘Water harvesting in Agriculture’ at National Seminar on ‘Sustainability and Management of aquatic ecosystems in semiarid areas’ held during 7<sup>th</sup> and 8<sup>th</sup> January, 2015 at Govt. Degree College (Men), Anantapuramu..</li> <li>2. Presented a paper on ‘Diabetes challenges and its Management in India’ at National Seminar on ‘Endocrine system-Disorders and Stress Response’ held during 16<sup>th</sup> and 17<sup>th</sup> December, 2014 at Govt. Degree College for Women, Begumpet.</li> <li>3. Presented a paper on ‘Climate change mitigation’ at National Seminar on ‘Aerobiology and public health’ held on 12<sup>th</sup> December, 2014 at Dept. of Botany, University College of Science, Saifabad, Hyderabad.</li> <li>4. Presented a paper on ‘Ethical issues in Biotechnology’ at National Seminar on ‘Value-based Education and Professional Ethics in the changing global scenario in the 21<sup>st</sup> century’ held during March 13<sup>th</sup> to 14<sup>th</sup>, 2012 at Sri Krishnadevaraya University, Anantapuramu.</li> <li>5. Participated in Public debate on ‘Pros and Cons of Agri Biotechnologies’ conducted by Agri Biotech Foundation, Hyderabad held at Govt. Degree College (Men), Anantapur on February 18<sup>th</sup>, 2014.</li> <li>6. Presented a paper on effect of iron deficiency on photosynthesis in rice at National seminar on ‘Environmental Governance’ held during February 22 and 23<sup>rd</sup>, 2013 at Vikrama Simhapuri University, Nellore.</li> </ol>

7. Presented a paper on 'Development of peptide tag antibodies against light harvesting complexes from *Chlamydomonas reinhardtii*' at National seminar on 'Emerging trends in Microbial Biotechnology' held during January 8<sup>th</sup> and 9<sup>th</sup>, 2014 at SRR Govt. Arts and Science College, Karimnagar.
8. Presented a paper on Bioethics at National seminar on 'Ethics and Human values' held during August 23 to 25<sup>th</sup>, 2012 at Govt. Degree College (Men), Anantapur.
9. Presented a paper on effect of iron deficiency on photosynthesis in rice at National seminar on 'Environmental Governance' held during February 22 and 23<sup>rd</sup>, 2013 at SVGGM Govt. Degree College, Kalyandurg, Anantapur.
10. Presented a paper on Extraction of phyto-compounds from plants at International symposium on 'Environmental impacts, health implications and therapeutic approaches-2012' held during July 15<sup>th</sup> to 17<sup>th</sup>, 2012 at Vikrama Simhapuri University, Nellore.
11. Participated in 'Bio Lab Analytica 2012' held on 2<sup>nd</sup> November, 2012 at HITEK exhibition centre, Hyderabad.
12. Participated in one day seminar on 'The role of Govt. Degree Colleges in promoting inclusive growth' held on 4<sup>th</sup> August, 2012 at JNAFAU, Hyderabad.
13. Participated in 'Bioquest-2010' held at School of Life Sciences, University of Hyderabad, Hyderabad, A.P. Proteomic analysis of thylakoid membranes
14. Presented poster at 'Bioquest-2009' held at School of Life Sciences, University of Hyderabad, Hyderabad, A.P. Effect of iron deficiency on PSI-LHCI supercomplexes in *Chlamydomonas reinhardtii*.
15. Presented poster on design of peptides for PSI-LHCI super complexes at 'Bioquest-2008' on March 15 and 16<sup>th</sup>, 2008 held at School of Life Sciences, University of Hyderabad, Hyderabad, A.P.
16. Presented poster at International symposium on 'Light & Life' during August 29-31<sup>st</sup>, 2007 organized by Department of Plant Sciences, University of Hyderabad and Indian Photobiology society. Design and development of peptide tag antibodies for LHCI complexes of *Chlamydomonas reinhardtii*
17. Presented poster at 76<sup>th</sup> meeting of 'Society of Biological chemists of India' during 25<sup>th</sup>-27<sup>th</sup> November, 2007 organized by Department of Biochemistry, Sri Venkateswara University, Tirupati, A.P. Purification of peptide tag antibodies
18. Presented poster at National seminar on 'Recent advances in Biotechnology & Bioinformatics' on 25<sup>th</sup> and 25<sup>th</sup> July 2006 organized by School of Biotechnology, MGNISRA, Hyderabad held at JNTU, Hyderabad, A.P. Molecular characterization of phyllody resistance in Sesamum spp.
19. Participated at in the 'International work shop on defining the future – HIV/AIDS-next 25 years' during 18-20<sup>th</sup> December, 2006 held at University of Hyderabad, Hyderabad, A.P.

Programs/Workshops attended	<ol style="list-style-type: none"> <li>10. Participated in one day workshop on ‘Recent trends in Horticulture and Pest management’ held on 3<sup>rd</sup> December 2014 at Dept. of Botany, Govt. Degree College, Wanaparthy.</li> <li>11. Participated in two day workshop on ‘Basic molecular biology techniques (SWBMBT-2014)’ held during 7<sup>th</sup> to 9<sup>th</sup> November 2014 at Govt. City College, Koduru R.S. Kadapa.</li> <li>12. Participated in two day workshop on ‘Teacher quality enhancement initiatives’ held on 5<sup>th</sup> and 6<sup>th</sup> September 2014 at Govt. City College (A), Hyderabad.</li> <li>13. Actively involved in the conduct of ‘Yuvatarangam 2013 state athletic meet’ sponsored by the Commissionerate of Collegiate Education, A.P. Hyderabad held on November 18<sup>th</sup> and 19<sup>th</sup>, 2013 at Govt. College (UG &amp; PG), Anantapuramu.</li> <li>14. Participated in 21 day refresher course on ‘Communication skills in effective teaching’ organized by Jawaharlal Nehru Technological University, Hyderabad, (A.P) held from 17-05-2013 to 06-06-2013.</li> <li>15. Participated in 21 day refresher course on ‘Recent advances in Biotechnology and Bioinformatics’ organized by Jawaharlal Nehru Technological University, Hyderabad, (A.P) held from 05-11-2012 to 26-11-2012.</li> <li>16. Participated in 6 day ‘Induction training programme; conducted at District Resource Centre, Govt. Degree College (Men), Anantapur, A.P. from 26-12-2011 to 31-12-2011.</li> <li>17. Participated in ‘Biosafety training program held at School of Life Sciences, University of Hyderabad on February 16<sup>th</sup>, 2007 under DBT-CREEB program.</li> <li>18. Agriclincs and Agribusiness programme organized by MANAGE from 22-01-2007 to 22-03-2007.</li> </ol>
Books published	<ol style="list-style-type: none"> <li>1. <b>Dr. Venkateswarlu Yadavalli</b> (2021) B.Sc Second Year Biotechnology-Bioinformatics and Biostatistics (Sem IV). Editor Prof. Anupalli Roja Rani. Telugu Academi publications, Hyderabad. ISBN: 978-81-8180-729-8.</li> <li>2. Dr. Anand Konkala and <b>Dr. Venkateswarlu Y</b> (2020) B.Sc First Year Biotechnology-Cell Biology and Genetics (Sem I). Editor Prof. Anupalli Roja Rani. Telugu Academi publications, Hyderabad. ISBN: 978-81-8180-690-1.</li> <li>3. Dr. Anand Konkala and <b>Dr. Venkateswarlu Y</b> (2019) B.Sc First Year Biotechnology. Editor Prof. Anupalli Roja Rani. Telugu Academi publications, Hyderabad. ISBN: 978-81-8180-573-7.</li> </ol>
Projects	UGC-SERO sanctioned a minor research project on ‘Development of anti-cancer compounds from <i>Emblica officinalis</i> and <i>Ocimum sanctum</i> through tissue culture’ for an amount of Rs. 4,72,000.
Workshops conducted	Organized National Webinar on "Career opportunities after B.Sc. Biotechnology" Dt. 17.03.2021. Dr. Sambashiva, Assistant Professor, Nizam College and Founder of Abhignya Biotechnology Consultants.
Other services	Delivered online invited talk on “Introduction to Proteomics” to the students of MVS Govt. Degree & PG College (Autonomous), Mahabubnagar on 15-05-2020.

