

Name of Faculty Dr. VARIMADUGU ARUNA
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 04 – 08 – 2006
 E-mail varuna_biotech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Biotechnology)	Awarded
PG	M. Tech. (Biotechnology)	First with Distinction
PG	M.Sc. (Biotechnology)	First with Distinction
UG	B. Sc. (Microbiology, Botany and Chemistry)	First

Work Experience

Teaching	16 Years
Research	16 years
Industry	--
Others	--

Area of Specialization Plant Biotechnology, Nanobiotechnology

Professional Memberships

1. Life Member, Indian Science Congress (Membership no. L244648)
2. Life Member, Indian Botanical Society

Responsibilities held at Institution Level

1. Member, drafting action plan for UGC Quality Mandate (Deeksharambh) 8th April, 2020 to till date
2. Member, Canteen Committee from 25th February, 2020 to till date
3. Member, Program Content Committee 31st January, 2020 to till date

Responsibilities held at Department Level

1. Member, Board of Studies
2. Member, Department Advisory Committee (DAC)
3. Member, Program Assessment Committee (PAC)
4. Member, Course Expert Group
5. Coordinator, ISO

Research Guidance --

Awards Received

1. Best Teacher Award by Chaitanya Bharathi Institute of Technology, Hyderabad on 23.3.2019
2. Secured University First rank in Biotechnology for the year 2002 in Master's degree and received special prize from Governor of Andhra Pradesh in 2003.

Courses Handled at Under Graduate / Post Graduate Level.

Genetic Engineering and rDNA technology, Animal Biotechnology, Immunodiagnosics, Bioinformatics, Biochemistry, Environmental Biotechnology, Food Biotechnology, Plant and Animal Biotechnology, Tissue Engineering, Genomics and Proteomics, Introduction to Anatomy and Physiology of Humans, Genetics and Molecular biology

No. of Papers Published

National Journals – 04	International Journals – 13
National Conference – Nil	International Conference – 01

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker

Invited as Guest of honor and to deliver a lecture for the technical session in one day seminar SPRING-2018 in "Current trends in Plant Sciences – Opportunities and its challenges" in Andhra Mahila Sabha Arts and Science College for Women, Hyderabad on 23rd February, 2018.

No. of Books/Chapter Published with details

1. Aruna, V., Kiranmai, C., Karupusamy, S., Anitha, S. and Pullaiah, T. 2006. Tissue culture studies in Asclepiadaceae – a review. In: *Recent trends in Biotechnology*. Editors – Pullaiah, T and Rama Swamy, N. Regency publication. 147-173. ISBN: 81-89233-22-X.

2. Thangadurai, D., Aruna, V., Kiranmai, C. and Pullaiah, T. 2002. Computational genomics, molecular markers and plant systematics. *Emerging trends in Bioinformatics*. Editors- Irfan. A. Khan. and Atiya Khanum. Ukaaz Publications. 81-116. ISBN: 81-900441-4-1.
1. Attended three-day International Webinar series on “Herbal Remedies and Covid – 19” organized by Hindu College of Pharmacy, Guntur from 28th to 30th June, 2020
2. Attended Leadership talk with Mr. Dipendra Manocha, Motivational Speaker broadcasted by MHRDs Innovation Cell on 27th June, 2020
3. Attended Leadership talk with Mr. Shridhar Venkat, CEO, Akshay Patra Foundation broadcasted by MHRDs Innovation Cell on 20th June, 2020
4. Attended one day International webinar on “Flexible Energy Storage Devices” organized by CNST, IST, JNTU, Hyderabad and Dayalbag Educational Institute Agra on 20th June, 2020
5. Attended Leadership talk with Mr. R. Subrahmanyam, IAS, Secretary, Ministry of Social Justice & Empowerment broadcasted by MHRDs Innovation Cell on 13th June, 2020
6. Attended webinar for faculty development program on “Outcome based Education Software” organized by Vmedulife software services on 11th June, 2020
7. Attended Leadership talk with Ms. Ashwini Deshpande, Co-Founder & Director Elephant Design broadcasted by MHRDs Innovation Cell on 6th June, 2020
8. Attended Leadership talk with Dr. Nilesh N Oak Expert in Indian Civilization and History broadcasted by MHRDs Innovation Cell on 30th May, 2020
9. Attended Leadership talk with Mr. Mahesh Babu CEO Mahindra Electric Mobility Ltd. broadcasted by MHRDs Innovation Cell on 23th May, 2020
10. Attended in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020.
11. Attended the 1st National Webinar on "Strengthening research capabilities remotely" empowering Indian Research on Covid – 19 organized by Department of Biotechnology, Govt. of India and Elsevier on 22nd May, 2020.
12. Attended Leadership talk with Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited broadcasted by MHRDs Innovation Cell on 16th May, 2020
13. Attended one-hour live webinar on “Digital transformation” organized by University of Applied Research and Development on 12th May, 2020
14. Attended India leadership talk webinar with Mr. D.P. Singh, Chairman UGC broadcasted by MHRDs Innovation Cell on 9th May, 2020
15. Attended India First leadership talk webinar broadcasted by MHRDs Innovation Cell on 2nd May, 2020
16. Completed a course on Thoracic Oncology an online non-credit course authorized by University of Michigan and offered through Coursera on 7th June, 2020
17. Completed a course on Whole genome sequencing of bacterial genomes - tools and applications an online non-credit course authorized by Technical University of Denmark (DTU) and offered through Coursera on 1st June, 2020
18. Completed a course on Biochemical Principles of Energy Metabolism an online non-credit course authorized by Korea Advanced Institute of Science and Technology(KAIST) and offered through Coursera on 1st June, 2020
19. Completed a course on The Science of Stem Cells an online non-credit course authorized by American Museum of Natural History and offered through Coursera on 24th May, 2020
20. Completed a course on Understanding Plants - Part II: Fundamentals of Plant Biology an online non-credit course authorized by Tel Aviv University and offered through Coursera on 17th May, 2020.
21. Completed a course on Drug Discovery an online non-credit course authorized by University of California San Diego and offered through Coursera on 11th May, 2020
22. Attended one week faculty development program on Data

Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized).

- Science using R programming organized by Mahaveer Institute of Science and Technology in association with Webtek labs from 12th to 17th June, 2020.
23. Attended one week faculty development program on "Outcome Based Education and NBA Accreditation Process (UG)" organized by Chaitanya Bharathi Institute of Technology, Hyderabad, 28th May to 1st June, 2020
 24. Attended one week online faculty development program on "Outcome Based Education: A step towards excellence" organized by Government College of Engineering, Karad, Maharashtra under Margdarshan Scheme of AICTE, New Delhi from 11th to 15th May, 2020
 25. Attended three week RC in Life Sciences in University of Hyderabad, from 17th Nov to 7th Dec, 2017.
 26. Attended one week National Level Faculty Development Programme on Emerging trends, Issues and Challenges in Big Data and Clouding Computing from 20th to 25th Feb, 2017.
 27. Attended three day International Conference "BIOASIA 2020 Today for Tomorrow" conducted by FABA at HICC, Hyderabad, from 17th to 19th Feb, 2020
 28. Attended and successfully completed Inter Auditor training on ISO 9001 : 2015 Quality management system on 8th December, 2018
 29. Attended one day Symposium on "Significance of Sanskrit for Technological Research" conducted by CBIT on 8th Sept, 2018.
 30. Attended two day National level Workshop on "Interface of Statistical Analysis using R" conducted by CBIT on 9th and 10th Feb, 2018.
 31. Attended two day National Conference on "Recent Advances in Pharmaceutical Industry and Drug Development" conducted by JNTU, Hyderabad on 21st and 22nd July, 2017.
 32. Coordinator, One Week Webinar cum Faculty Development Program Series on "Current Progress and Future Prospects of Biotechnology", organized by the Department of Biotechnology, CBIT in association with Andhra Pradesh Akademi of Sciences from 08th to 13th June, 2020.
 33. Coordinator, two-day National level technical symposium entitled "NEOZION' 18" on 28th and 29th September, 2018.

Publication in International Journal

1. Aruna, V. and Pullaiah, T. 2018. Organogenesis of *Abelmoschus moschatus* Medick. Using aseptic seedling explants. *European Journal of Medicinal Plants*, 25: 1-8. ISSN: 2231-089
2. Aruna, V., Sudhakar, H., Gangadhar T. and Naveen, M. 2018. Amberlite IR-120 catalyzed synthesis of 6-aryl-5H-quinazolino [4,3-b]quinazolin8(6H)-one derivatives as anticancer agents. *Indian Journal of Advances in Chemical Science*. 6: 187- 192. ISSN: 2320-0898(P); 2320-0928(E)
3. Kumar, R.R., Kumar S.R., Sekhar, B.R., Raju, VVNKVP, Murthy, C., N Srinivasu, N., Aruna, V., Chaitanya, M. and Naveen M. 2018. Catalyst Free Synthesis of N-(1,3-Dioxoisindolin-4-Yl) Acetamide Derivatives using Water and their Biological Evaluation. *Der Pharma Chemica*, 10(9): 89-96. ISSN:0975-413X

Papers presented at National and International Conference

1. Presented a paper entitled "In vitro plantlet regeneration from leaf explants of *Andrographis lineate* Nees. - A medicinal plant" at National Conference on Integrative Plant Biochemistry and Biotechnology at Indian Council of Agricultural Research – Indian Institute of Rice Research, Hyderabad during 8th and 9th November, 2019.
2. Presented a paper entitled "Interaction and nanotoxic effect of metallic nanoparticles on bacteria stains" at 2nd International Conference on Nano Science and Engineering Applications, ICONSEA-2018 at JNTU, Hyderabad during 4th to 6th October, 2018.
3. Presented a paper entitled "In vitro plant regeneration of *Abelmoschus moschatus* medik. L. - a valuable medicinal plant" at International Conference on Bio – Technology & Bio-Engineering – Trends, ICBT – 2017 at JNTU, Hyderabad during 23rd to 25th March, 2017