

1. **Name** : Dr. Annabattula Srinivasa Rao  
 2. **Address with E-mail and Mobile No:** [drasr.botany@gcrjy.ac.in](mailto:drasr.botany@gcrjy.ac.in)  
 99850 76306

**Official Address:** Lecturer in Botany, Dept. of Botany & Horticulture  
 Government College (Autonomous)  
 Rajamahendravaram-533 101, E.G.Dt., Andhra Pradesh

**Address for Communication:** Flat No. A.F.2, D.No. 174, Sai Enclave  
 Apartment, Near Dr.Y.S.R.Village Clinic  
 Rajanagaram – 533294, E.G.Dt., A.P.

3. **Nationality** : INDIAN  
 4. **Date of Birth** : 23-05-1969

5. **Educational Qualification (from UG onwards) :**

S. No.	Qualification	University/Institute	Specialization
1	B.Sc. (B.Z.C.): 73.5% - First Class (1990)	Andhra University, Visakhapatnam	Botany, Zoology & Chemistry
2	M.Sc. (Botany): 73% - First Class with Distinction (1993)	Andhra University, Visakhapatnam	Plant Pathology; Genetics of Crop Improvement
3	Ph.D. (1998)	Andhra University, Visakhapatnam	Marine Algae

6. **Doctoral Thesis:** Ecological and Callus induction experiments on *Sargassum polycystum* C. Agardh. and Laboratory growth studies on some intertidal algae”

7. **Professional Experience** :

S. No.	Institute / Organization	Position held	Date of joining	Duration
1	P.G.Dept. of Botany V.S.M.College, Ramachandrapuram	Lecturer (Ad-hoc basis)	January, 1999 – January, 2002	About 3 Years
2	Govt. Junior College, Veerullapadu, Krishna Dist. & Govt. Junior College, Mummidivaram, E.G.Dt.	Jr. Lecturer in Botany	31 <sup>st</sup> January, 2002 to 5 <sup>th</sup> November, 2010	About 9 Years
3	Dept. of Botany & Microbiology, Pithapur Rajah’s Government College (Autonomous), Kakinada, E.G.Dt., A.P.	Lecturer in Botany	6 <sup>th</sup> November 2010 to 03-06- 2017	About 6 years 8 months
4	Dept. of Botany, Govt. Degree College, Mandapeta, E.G.Dt., A.P.	Lecturer in Botany	04-06-2017 to 24-09-2021	About 4 years and 4 months
5	Dept. of Botany & Horticulture Government College (Auonomous), Rajamahendravaram, E.G.Dt., A.P.	Lecturer in Botany	25-09-2021 to till date	-

#### 8 (a). Orientation and Refresher Courses attended:

- Participated in **Refresher Course in Life Sciences** at UGC-HRD, Sri Venkateswara University, Tirupati from 12<sup>th</sup> November to 1<sup>st</sup> December, 2018.
- Participated in **Winter School/Refresher Course on Strategies for research Oriented Teaching** at UGC-HRD, J.N.T.U. (H), Hyderabad from 20<sup>th</sup> January to 08<sup>th</sup> February, 2014.
- Participated in **Orientation Course** at UGC-HRD, J.N.T.U. (H), Hyderabad from 17<sup>th</sup> September to 16<sup>th</sup> October, 2012.

#### 8 (b). Trainings/Hands on experience programs/Workshops attended:

- Participated in a E-training programme on **Sustainable Livelihoods and Adaptation to Climate Change** organized by NIRDPR, Hyderabad from 27<sup>th</sup> May to 09<sup>th</sup> June, 2020.
- Participated in 5-Day National Workshop on **Advanced trends in Marine macro algal taxonomy, cultivation and utilization** at **Botanical Survey of India – SRC, Coimbatore** from 21<sup>st</sup> to 25<sup>th</sup> October, 2019.
- Participated in 1-Week Orientation Workshop on **OER, Content development, MOOCS and MOODLE** at **National Institute of Technology, Warangal** from 26<sup>th</sup> to 31<sup>st</sup> October, 2018.
- Participated 2-Day National Workshop on **Instrumentation & Hands on Training in Advanced Biological Techniques** at **Andhra Loyola College (Autonomous), Vijayawada** from 07-12-2015 to 08-12-2015.
- Participated 5-Days **Training and Demonstration in Seaweed Farming** at **CAS in Marine Biology, Annamalai University, Parangipettai**, Tamil Nadu from 09-02-2015 to 13-02-2015.
- Participated in 6-days National Workshop on **Taxonomy of Freshwater algae at CAS in Botany, University of Madras, Chennai** from 7<sup>th</sup> to 12<sup>th</sup> May, 2012.

#### 8 (c) Research projects handled / completed:

1. Mentor for DST/ DISHA/ SoRF-RM/057 /2013/G, Govt. of India, DST, New Delhi Project on ‘Antifungal activities of bacteria isolated from soil and their role of antibiosis exhibit towards suppression of fungal pathogens – *Fusarium oxysporum*, *Rhizoctonia oryzae* infecting paddy and pigeon pea crops’ – 18Lakhs (2015).
2. APMAB, Govt. of A.P. – NMMP grant for ‘Raising of model nursery and supply of quality planting material to farmers and public’ – 04 Lakhs (2.16-17).
3. Co-Ordinator for Technical Support Group and prepared the People’s Biodiversity Registers for 05 Gram Panchayats (in Visakhapatnam Dist.-01, E.G.Dt., -02, W.G.Dt.-01, Krishna Dist.-01) of Andhra Pradesh with a grant of Rs.05Lakhs from A.P.State Biodiversity Board, Guntur.

#### 8(d). Research guide/Adjudicator

1. Adikavi Nannaya University, Rajamahendravaram conferred research guideship while working at PRGC (A), Kakinada.
2. **Adjudicated Ph.D. thesis** of Mr.S.Palanivel on **Freshwater algal diversity of Tamil Nadu, India** submitted to **University of Madras, Chennai** (2019).
3. Name included in the panel of adjudicators by Alagappa University, Karaikudi and Bharathidasan University, Tiruchirapalli and M.S.University, Kanyakumari.
4. **Adjudicated Ph.D. thesis** of Ms. M.A.Akhilamole on **Efficacy of raw and spent Seaweeds as feed ingredients for Tilapia (*Oreochromis niloticus* L.) culture.**, submitted to **Annamalai University, Tamil Nadu** (2019).

### 8 (e). Academic achievements during the past 03 years:

- Author for bilingual text book of Botany for Semesters I & II aegis APSICHE.
- Prepared the syllabus for 04 pairs of Skill Enhancement Courses for Botany domain subject aegis APSICHE.
- Prepared the syllabus for 03 Market Oriented Courses (Horticulture, Seed Technology and Organic Farming) aegis APCCE.
- Prepared the syllabus for 01 Skill Development Course and 01 Life Skill Course aegis APSICHE.
- Revised the syllabus of Botany courses (I to IV Semesters) under CBCS pattern aegis APSICHE.
- State wide Coordinator for LMS of Botany aegis APCCE.
- Member in Podcast making team of Botany aegis APSICHE.

### 9. List of Research Publications:

1. Umamaheswara Rao M & **A Srinivasa Rao**, 1996. Callus formation in *Sargassum polycystum*. **Phykos 35:147-150**.
2. **A Srinivasa Rao** & M Umamaheswara Rao. 1998. Effect of environmental factors on the growth of *Gracilaria corticata*. **Phykos 37: 11-17**.
3. **A Srinivasa Rao** & M Umamaheswara Rao, 1999. Effects of temperature, photon flux density and salinity on growth of *Sargassum polycystum* C. Agardh (Fucales, Phaeophyta) under laboratory conditions. **Seaweed Res.& Utiln. 21:35-40**.
4. **A.Srinivasa Rao** & M Umamaheswara Rao, 1999. Interaction of salinity and photon flux density on the growth of six marine algae. **Seaweed Res.& Utiln. 21:41-47**.
5. **A Srinivasa Rao** & M Umamaheswara Rao, 2002. Seasonal growth pattern in *Sargassum polycystum* C.Agardh (Phaeophyta, Fucales) occurring at Visakhapatnam, East coast of India. **Indian J. Mar. Sci. 31: 26-32**.
6. **A Srinivasa Rao** & M Umamaheswara Rao, 2004. Seasonal variations in biochemical constituents of *Sargassum polycystum* C.Agardh (Phaeophyta, Fucales) from Visakhapatnam, East coast of India. **Seaweed Res. & Utiln. 26:201-204**.
7. **A Srinivasa Rao**, 2012. A report on seaweeds from saline habitats of Kakinada, the East coast of India. **Indian Hydrobiology 14 : 165-168**
8. Subba Rao, P.V., C.Periyasamy, K.Rama Rao, & **A. Srinivasa Rao**. 2016. Seaweeds for Human Welfare. **Seaweed Res. & Utiln. 38 : 1-12**.
9. Periyasamy, C., P.V. Subba Rao, K.T.Selvavinayagam & **A. Srinivasa Rao**. 2016. Pilot Scale filed cultivation of *Kappaphycus alvarezii* (Doty) Doty at two different locations in Bay of Bengal waters of Andhra Pradesh, East coast of India. **Seaweed Res. & Utiln. 38 : 85-94**.
10. Usha, Ch., Priyanka & **A. Srinivasa Rao**. 2016. Antifungal properties exhibited by bacteria isolated from agriculturally cultivable soils and their antagonistic nature towards fungal phytopathogen suppression. **Agri. Sci. Digest 36 : 17-23**.
11. Usha Rani, Ch., K. Sucharitha, **A. Srinivasa Rao**, Srivenu, and N. Swathi. 2017. Antifungal activity of Bacillus species isolated from agriculturally cultivated soils against fungal phytopathogens *Fusarium udum* and *Rhizoctonia solani* affecting paddy and pigeon pea crops. **Int. J. Current Adv. Res. 6(8) :5194-5196**.
12. P.V. Subba Rao, C. Periyasamy, K. Suresh Kumar, **A. Srinivasa Rao** and P. Anantharaman. 2018. Seaweeds: Distribution, Production and Uses. Bioprospecting of Algae (Ed.by M.N.Noosr, S.K.Bhatnagar and Sashi Kr.Sinha) Publ. Society for Plant Research India (ISBN: 978-81-937106-0-6).

13. Submitted 03 book chapters to a book, to be published by CRC Press Taylor and Francis Publisher group, UK.

#### **10. Seminars/ Symposia/ Conference Participated:**

- Participated in a 21 days FDP on ‘Adopting to Online Teaching-Learning Technologies’ organized jointly by Dr.B.R.Ambedkar University, New Delhi and Dr.B.R.Ambedkar University, Srikakulam from 16<sup>th</sup> November to 07<sup>th</sup> December, 2020.
- Participated in a 05 days FDP on ‘Building Competencies for Online Teaching’ organized by NIEPA, new Delhi from 03<sup>rd</sup> to 07<sup>th</sup> August, 2020.
- Participated in a 05 days FDP in Botany organized by CCE, Govt. of A.P., Vijayawada from 13<sup>th</sup> to 17<sup>th</sup> July,2020.
- Participated in a 04 days digital interaction series on the occasion of ‘World Environment Day’ organized by Inst. of Ocean Management, Anna University, Chennai from 02<sup>nd</sup> to 05<sup>th</sup> June,2020.
- Participated in 5-Day webinar on the occasion of ‘International Day for Biological Diversity’ organized by Inst. of Ocean Management, Anna University, Chennai from 18<sup>th</sup> to 22<sup>nd</sup> May,2020.
- Participated 1-Day National workshop on “Academia-Industry interface: Strategies and perspectives for resource management and organizational development” at A.S.D. Government Degree College for Women (Autonomous), Kakinada on 5<sup>th</sup> Septemeber, 2019.
- Participated 1-Day Area study programme on “The assemble and use of Foldscope” at Pithapur Rajah’s Government College (A), Kakinada on 2<sup>nd</sup> March, 2019.
- Participated 2-Day State level orientation for District co-ordinators/District academic co-ordinators/Resource persons/Evaluators on 26<sup>th</sup> NSSC-2018 at Annamacharya Institute of Technology and Sciences, Tirupati from 10<sup>th</sup> to 11<sup>th</sup> August, 2018.
- Participated 1-Day Consultation workshop on “Biodiversity friendly sector plans for Port & Shiping, Fertilizers and Salt Pans” at Adikavi Nannaya University, Rajamahendravaram on 4<sup>th</sup> July, 2018.
- Participated 3-Day International Symposium on “Biodiversity of Medicinal plants & Orchids: Emerging trends and challenges” at Acharya Nagarjuna University, Guntur from 9<sup>th</sup> to 11<sup>th</sup> February, 2018.
- Participated 3-Day International Conference on “Renewable Energy Research and Education” at Government College (Autonomous), Rajamahendravaram from 8<sup>th</sup> to 10<sup>th</sup> February, 2018.
- Participated 1-Day “Capacity building workshop for Teachers on Research publication – Importance of journal metrics” at Pithapur Rajah’s Government College (A), Kakinada on 18<sup>th</sup> November, 2017.
- Participated 2-Day National Seminar on “Microbial technologies for Sustainable Environment” at Govt. College for Women, Guntur from 24-01-2017 to 25-01-2017.
- Participated 3-Day International Conference on “New Approaches in Agriculture, Food and Environmental Sciences” at Andhra Loyola College (Autonomous), Vijayawada from 22-12-2016 to 24-12-2016.
- Participated 3-Day International Conference on “Advances in Algal Biotechnology” at VIT University, Vellore, T.N., from 10-08-2016 to 12-08-2016.
- Participated 1-Day State level Brainstorming programme on the “Biological Diversity Act 2002; A.P. Biological Diversity Rules,2009 & Access and Benefit Sharing (ABS) Mechanism” at Vijayawada on 04-03-2016 organized by Andhra Pradesh State Biodiversity Board.

- Participated 1-Day State level Workshop on “The required benchmarks for quality sustenance and quality enhancement” at Ideal College of Arts and Sciences, Kakinada on 23-01-2016.\
- Participated 3- Days “National Research Meet – Developing Knowledge Management System for Coastal Biodiversity Conservation” organized by UNDP-GEF-EGREE Foundation, Kakinada and A.P.Forest Dept., at Visakhapatnam from 05-11-2015 to 07-11-2015.
- Participated 3-Days “International conference on Marine, Agriculture and Pharma Biotechnologies” at Jawaharlal Nehru Technological University-Kakinada” from 15-12-2014 to 17-12-2014 and presented a research paper.
- Participated 2-Day Science Academia Lecture Workshop (National) on “Recent Advances in Conservation of Biodiversity and Evolutionary Biology” from 24-11-2014 to 25-11-2014 at Government Degree College for Women, Srikalahasthi.
- Participated 1-day International Workshop on “Stress and Resilience Techniques” organized by Government Arts College (Autonomous), Rajahmundry on 16-11-2014.
- Participated 2-Day National Seminar on “Recent Trends in Phytochemical and Plant Biology Research” from 12-09-2014 to 13-09-2014 organized by P.B.Siddartha College of Arts & Science, Vijayawada and presented a research article.
- Participated 2-Day National Workshop on “Knowledge and Openness in the Digital Era” organized by Andhra Loyola College (Autonomous), Vijayawada from 24-06-2014 to 25-06-2014.
- Participated 1-day symposium on “Biodiversity Conservation of Godavari Estuarine Ecosystem” at M.S.N.Degree College, Kakinada on 22-01-2013.
- Participated 2-day National Seminar on “Recent Advances in Research on Marine Environment” at Gayatri Vidya Parishad Degree College (Autonomous), Visakhapatnam from 10<sup>th</sup> to 11<sup>th</sup> March, 2012.
- Participated 04 National conferences prior to 2010.

#### **11. Symposia/Conference/Seminar/Workshop organized:**

- **3-Day National Symposium on “Algae For Human Welfare” (AFHW-2015)** in collaboration with SRUA, Parangipettai, T.N. from 19<sup>th</sup> to 21<sup>st</sup> August, 2015.
- **2-Day State Level Seminar on “Mangrove Ecosystems of Andhra Pradesh”** from 8<sup>th</sup> to 9<sup>th</sup> January- 2015, in collaboration with UNDP-EGREE foundation, Kakinada and MSSRF, Kakinada.
- **2-day National Workshop on “Medicinal Botany”** from 24<sup>th</sup> to 25<sup>th</sup> 2012 with funding by UGC(SERO), Hyderabad.
- **2-day National Conference on “Recent Trends in Plant Sciences”** from 18<sup>th</sup> to 19<sup>th</sup> November, 2011 with UGC-Autonomous grant.
- **1 -day District level workshop on “Aquatic Botany, dt. 25-11-2010** with UGC-CPE grant.

**12. Patents Applied :**

S. No.	Title of the Patent	Agency to which application is made	Year of application
-	-	-	-

**13. Patents Received :**

S. No.	Title of the Patent	Agency which has awarded the patent	Year
-	-	-	-

**14. Areas of research interests** : Marine Algal Taxonomy, Ecology,  
Physiology & Biotechnology

**15. Awards** : 1. JRF in D.B.T. Project (1993 to 1996)  
2. CSIR - SRF (1996-1998)

**16. Books authored** : One of the 5 editors for SRU (Int. Journal) –  
Volume - 38

**17. Membership in Professional organizations :**

1. Life Member, Seaweed Research and Utilisation Association, Parangipettai, Tamilnadu
2. Member in East Godavari District Biodiversity Management Committee

**18. Other information (if any):**

1. Member in BOS of Adikavi Nannaya University, Rajamahendravaram for Botany, Forestry and Horticulture courses.
2. MANA TV live telecast presenter.
3. Delivered talks on AIR, Vijayawada.
4. Evaluator for National Children's Science Congress activities and DST-INSPIRE Programme at District and State level.
5. BOS – Adikavi Nannaya University, Rajamahendravaram nominee for PRGC(A), Kakinada, V.S.M. U.G.& P.G. College (A), Ramachandrapuram, A.S.D.G.D.C. for Women (A), Kakinada.
6. BOS- Subject expert for A.G. & S.G. College, Vuyyuru, Krishna Dist., Y.N. College (A), Narsapuram, W.G.Dist.; BOS Chairman for U.G. & P.G. courses of Botany, Horticulture and Agriculture, G.C.(A), Rajamahendravaram

**Declaration**

I hereby declare that the information furnished is true to the best of my knowledge and belief.

**Signature**

Station: Rajamahendravaram

Date: 23-11-2021