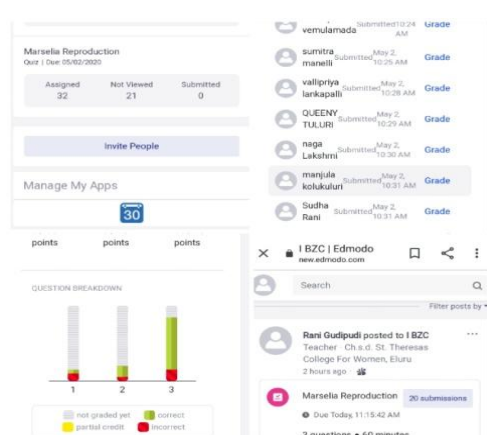


DEPARTMENT OF BOTANY

2020-21 Activities

April to June 2020:

- 1. 22nd April to 27th May 2020: Online Classes** – Botany online classes were conducted to III, II & I years regularly through ZOOM, Google Duo, Whatsapp, Google Classroom, Google forms, Edmodo. For III year Cluster students Career guidance coaching was also given to competitive exams and entrance tests in Botany. Revise the topics soon after completion of the topic and done the evaluation through Google Classroom, Google forms, Edmodo. Online Quizzes were conducted to all the Botany students.



- 2. 26th May 2020: Webinar organized** – Department of Botany organized a webinar on “Awareness and Readiness of COVID - 19” in Association with Zoology & IQAC, Ch.S.D.St.Theresa’s College for Women (A), Eluru on 26th May 2020. Dr.K.Chandra

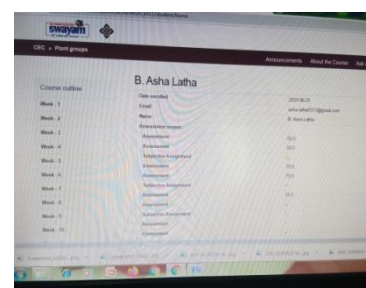
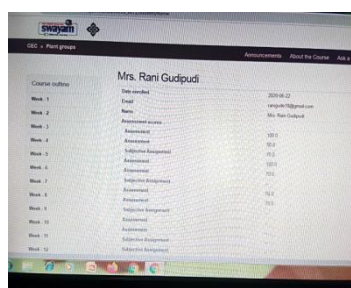
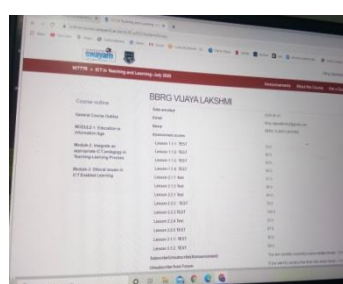
Sekhar, Dr. Vani Veeramachaneni, Dr.T.Vinay Bhushan, Dr.Sr.Marietta D’Mello, Dr.Roshini Gundapaneni, Dr.D.Mahesh Rahul acted as resource persons.



3. Attended Webinars/Faculty Development Programmes/Workshops/Quizzes/Others: April to June:

S.No	Name of the Faculty	Webinars International/ National	FDP International/ National	Workshops International/ National	Quizzes International/ National	Others Awareness Programme/ Split India
1	Dr.B.B.R.G.Vijaya Lakshmi	55	12	4	15	2
2	Mrs.G.Rani	59	10	3	34	4
3	Ms. B.Asha Latha	30	5	2	20	2
	Total	144	27	9	69	8

4. 22nd June 2020: SWAYAM Portal – Dr.B.B.R.G.Vijaya Lakshmi registered SWAYAM Course in “ICT Tools in Teaching & Learning”, Mrs.G.Rani & Ms. B.Asha Latha registered SWAYAM Course in “Plant Groups”.



July 2020:

1. **13th July 2020 to 17th July 2020: 5 Day FDP** - Dr.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani and Ms.B.Asha Latha attended 5 Day Faculty Development Programme in for Botany faculty from 13th July 2020 to 17th July 2020 on “New knowledge, Pedagogical methods – New frontiers and Emerging technologies” organized by Commissionerate of Collegiate Education, A.P. through Cisco Web Ex platform. Eminent speakers of Botany enlightened the programme with innovative techniques and recent advancements in Botany.
2. **31st July 2020: E-Content Videos** – Botany faculty Dr.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani and Ms.B.Asha Latha prepared E-Content video lessons and uploaded in the youtube.

August 2020:

1. **3rd Aug to 7th August 2020: 5 Day FDP** - Dr.B.B.R.G.Vijaya Lakshmi attended 5 Day Faculty Development Programme on “LMS – E-Content generation” hosted by Commissionerate of Collegiate Education, A.P. from 3rd Aug to 7th August 2020.
2. **July 20th to August 20th 2020: Plantation Programme** - Due to corona pandemic situation students are restricted to stay in their homes on the concept of stay home and stay safe. Botany department allotted online assignment work to II BZC and III BZC students. Due to COVID-19 pandemic all the students are instructed to wear mask and take necessary precautions during plantation. Each student planted two plants at their houses or surroundings and posted photos. II BZC Students planted 120 plants; III BZC students planted 85 plants at their homes.



3. **18th August 2020: Plantation Programme – Management & Staff Council members-** Rev.Dr.Sr.Marietta Pudota, Superior and Correspondent, Rev.Dr.Sr.Marietta D’Mello, Principal, Rev.Dr.Sr.Showrilu, Vice principal, Rev. Sr. Sunila Rani, Controller of

Examinations and all the Staff Council members planted 15 Mango plants in the College campus. Dr.B B R G Vijaya Lakshmi, HOD of Botany, Mrs.G.Rani & Ms.B.Asha Latha, Botany department faculty planted the saplings in and around the college and coordinated the programme.



4. **30th & 31st August 2020:** E-Content links for Botany, Paper – III for II BZC, Paper – V for III BZC, Paper – VI for III BZC – I topic of I Unit were sent by Botany faculty.
5. **8th August 2020: Paper Publication** – Dr.B.B.R.G Vijaya Lakshmi, Assistant Professor in Botany, Ch. S. D. St. Theresa’s College for Women, Eluru-534006 published a Paper on “Phytoremediation potential of *Eichhornia crassipes* and *Salvinia auriculata* in metal contaminated sites of Kolleru lake” in STRAD Research Journal – Web of Science Journal/UGC Care group 2 Journal, Volume 7, Issue 8, 2020, ISSN: 0039-2049
6. **15th August 2020: Independence Day Celebrations organized** – Botany faculty Dr.B.B.R.G Vijaya Lakshmi, Mrs.G.Rani & Ms.B.Asha Latha organized Online 74th Independence Day Celebrations to III & II BZC students through Zoom platform.



7. **29th August 2020: E-Content Video Links** – Botany Dept sent Botany E-Content Video Links to III & II BZC students through Mails & What’s app groups.

October 2020:

1. **16th to 20th October 2020: Indoor plants Exhibition** - Botany Dept organized an exhibition of Indoor and miniature plants near administrative block of the college premises. Principal Rev. Dr. Sr.Marietta D’Mello, Vice-principal Rev. Dr. Sr. Showrilu

inaugurated the exhibition. A variety of indoor plants are planted in the ceramic planters and exhibited for sale. Nearly 200 plants were exhibited in different shapes of containers. They attracted the members of the staff and students. Staff council members, staff and students visited the exhibition and congratulated the Botany faculty. Dr.B.B.R.G.Vijaya Lakshmi, HOD of Botany, Mrs.G.Rani and Ms.B.Asha Latha organized the programme. Dr.Sr.Marietta D’Mello said it is a good initiative of skill development to students. She congratulated the members of Botany faculty.



2. **October 2020: Paper Publication** – Dr.B.B.R.G Vijaya Lakshmi, Assistant Professor in Botany, Mrs.G.Rani, Lecturer in Botany, Ch. S. D. St. Theresa’s College for Women, Eluru-534006 published a Paper on “Farmer Digital Marketing System” in Solid State Technology Blind Peer Review Referred Journal indexed by SCOPUS, Volume 63, Issue 5, 2020, ISSN: 0038-111X.



November 2020:

1. **Paper Publication** – Dr.B.B.R.G Vijaya Lakshmi, Assistant Professor in Botany, Mrs.G.Rani and Ms.B.Asha Latha, Lecturers in Botany, Ch. S. D. St. Theresa’s College for Women, Eluru-534006 published a Paper on “Ethno-botanical study of Medicinal

plants in Vetamamidi village near Addatheegala Mandalam, East Godavari District, A.P” in Science, Technology and Development Journal/UGC Care, Volume IX, Issue XI, NOVEMBER 2020, ISSN: 0950-0707.

December 2020:

1. Workshop on Nursery Raising & Plantation 2020-2021

Botany department organised a workshop on “Nursery Raising & Plantation” at Ch.S.D.St Theresa’s College for Women (A), Eluru on 1st & 2nd December 2020. As a part of their practical III BZC students have sow the seeds of various vegetables like Tomato, Brinjal, Chilli & Beans in the campus green house. The main Aim behind organizing this workshop is to promote “Organic Kitchen Garden” at our house to lead a healthier life – under the concept of “Seed to Land, Land to Plant, Plant to Home, Home to Kitchen”.

Principal Rev.Dr.Sr.Marietta D’Mello addressed the students in the workshop and congratulated the faculty of Botany & BZC students for organizing such an innovative workshop. She said all these activities are life giving well-liked the workshop.

HOD of Zoology Dr.R. Indira congratulated the staff & students. She has enlightened the students to inculcate the habit of establishing Kitchen Garden.



Botany department along with the students have distributed the saplings of vegetables i.e., tomato, Brinjal Beans & Chilli in the campus. They have sold the bundle (2 Brinjal, 2 Tomato, 2 Beans, 2 Chilli) at a reasonable price of just rupees 10. Later the saplings were distributed to various departments.

Dr.BBRG. Vijaya Lakshmi, HOD of Botany has greeted the principal and thanked her for accepting the invitation. Mrs.G Rani, faculty of Botany has spoke on the techniques of growing vegetable plants. Ms. B.Asha Latha, faculty of Botany, Md. Shaheen Botany Club President, Sk.Haveela Begum Secretary actively participated in the workshop.

BZC students expressed a hearty gratitude to the Botany department as this workshop was a part of creative learning which improve their practical skills. 40 students were benefitted from this workshop.



2. Theresian Organic Kitchen Garden

To promote safe vegetable production and secure food supply, Department of Botany Ch.S.D.St.Theresas's College For Women (A), Eluru, is establishing Theresian organic kitchen garden in half an acre area near community college. Area is divided into two blocks, one is meant for popular vegetables like Lady's finger, Brinjal, Tomato, two varieties of Chilli, two varieties of Beans and the other block meant for creeping vegetables like Cucumber, Bottle gourd and Bitter gourd. 150 saplings of Lady's finger, 100 saplings of Brinjal, 150 saplings of Chillies, 50 saplings of Tomato, 150 saplings of beans, 50 saplings of soybeans, 10 saplings of ridge gourd are planted. By using Vermicompost, Ghanajeevamruthamu, Neem decoctions are used to promote Organic vegetables. Each block is divided into plots and each plot planted with one variety of vegetable. Marigold plants are planted as border for each plot as it is a natural bio-pesticide. 400 saplings of Marigold plants are planted. Principal Dr.Sr.Marietta D'Mello blessed the activity and planted the saplings on 17th December. Vice Principal Dr.Sr.Showrilu also planted some saplings. This activity comes under Skill Development Programe under EDC. Principal Dr. Sr. Marietta D'Mello Congratulated Botany faculty Dr.B.B.R.G Vijaya Lakshmi HOD of Botany, Mrs. G.Rani and Ms.B.Asha Latha.





3. **Talk:** Dr.B.B.R.G.Vijaya Lakshmi HOD of Botany Department gave a talk on Symptoms and Preventive measures of AIDS to NSS Volunteers on the eve of AIDS Day, December 1st 2020.



4. **Faculty Orientation Programme:** Ms.B.Asha Latha participated in Faculty Orientation Program on 1st December 2020.

January 2021:

1. **6th January 2021: Azolla Inoculation in Paddy fields** – Dept of Botany cultivated Azolla in Green house and harvested for inoculation. Dept of Botany along with I BZC students inoculated Azolla in paddy field of St. Ann's convent, to promote the organic farming, to minimize the use of synthetic fertilizers in the agricultural lands and to reduce the soil pollution,. Principal Dr.Sr.Marietta D'Mello inspired the students by her encouraging words, explained the importance of practicals in Botany and also congratulated the wonderful and skill development activity done by Dept of Botany.



2. Azolla cultivation and Inoculation: 2020-21

To promote organic farming in paddy fields, Dept of Botany inoculated Azolla in one acre paddy field of St. Ann's Convent on 6th January 2021. Azolla is a bio-fertilizer, it fixes the atmospheric nitrogen in their leaves due to the association of Azolla - Anabaena bacteria. It spreads rapidly and doubles its bio-mass within one week. I BZC students participated as a part of their practical work under economic importance of blue green algae. Students joyfully involved in the inoculation of Azolla in the paddy field. Principal Dr. Sr. Marietta D' Mello inspired the students by her encouraging words and explained the importance of Botany practicals. Principal congratulated the wonderful skill development activity done by the Dept. of Botany. Students participated actively in this eco-friendly practice and enjoyed a lot. Dr. B. B. R. G. Vijaya Lakshmi, HOD of Botany, Mrs. G. Rani, Ms. B. Asha Latha, Lecturers in Botany coordinated the activity.)



3. 7th January 2021: Organic kitchen garden – I BZC students cleaned the vegetable plots like Chilli and Brinjal of the organic kitchen garden by removing the weeds and also applied vermi-compost to all the vegetable plots like Chilli, Brinjal, Lady's finger, Tomato and Broad beans. Botany faculty guided the students on usage of vermin-compost explained the importance of organic cultivation techniques.





4. **9th January 2021: Project Viva** – Botany department conducted Project viva to 20 III BZC students on “A Study on preparation of Herbal Medicines- Aswaganda & Triphala churnam at Addatheegala, E.G.Dt,A.P”, “A Study on Ethno-botanical studies in Anigeru tribal area, Addatheegala Mandal, E.G.Dt,A.P”, “A Study on Preparation of the Herbal Medicine – Hingvastika churnam at Addateala, E.G.Dt, A.P.” in Room No – 53, Dr.B.B.R.G.Vijaya Lakshmi, HOD of Botany, Mrs.G.Rani, Ms.B.Asha Latha acted as Internal Project Viva Pannel members.



5. **18th January 2021: Training programme on Preparation of Dravjeevamrutham** - Botany department organized a Training programme on “Preparation of Dravjeevamrutham - Natural manure” and created awareness on the Organic Farming to III B.Z.C Cluster students in Theresian Organic Kitchen Garden in St. Theresa’s College For Women (A), Eluru. Mr. Murali Krishna, Secretary of Gosamrakshana Samithi, Eluru acted as resource person. He trained the students about the preparation of Ghana and Dravjeevamruthamu. III B.Z.C students were prepared 200 litres of Dravjeevamrutham. He suggested bio-pesticidal practices of Neem decoction and PL preparations to eliminate pests in Organic Kitchen Garden. 30 students were benefitted from this programme.



6. **22nd January 2021: Azolla as Animal Feed** - III B.Z.C cluster students harvested Azolla and supplied as food supplement to cattle and cows of St. Ann’s Convent to increase the

milk production. They received the feedback from farmer that milk production has been increased.



February 2021:

1. **6th February 2021: First harvesting of Vegetables and Marigold flowers –** Botany cluster students harvested 2 to 5kgs of beans, chillies, Cluster beans and Marigold flowers and offered to St. Ann's convent. Superior Dr.Sr.Marietta pudota, Principal Dr.Sr.Marietta D'Mello, Vice Principal Dr.Sr.Showrilu congratulated botany faculty and students.



2. **7th February 2021: Spraying of Bio-Fertilizers –** Botany cluster students prepared Dravajeevamrutham and sprayed in all plots of Theresian Organic Kitchen garden to promote sustainable Oleri-culture techniques.



3. **9th February 2021: Preparation of Bio-Pesticides** - Botany cluster students' prepare Bio-pesticide decoctions of Vavilaaku, Neem and Datura in the Botany lab.



4. **11th February 2021: Spraying of Bio-Pesticides** - Botany cluster students' prepare Bio-pesticide decoctions of Vavilaaku, Neem and Datura. They applied these decoctions to beans, chilli plots in the Theresian Organic kitchen garden to control pests as it is a natural control technique.



5. **18th February 2021: Second harvesting of Vegetables and Marigold flowers** – Botany cluster students harvested 1kg of beans, 1 kg of chillies, 1 kg of Cluster beans and 300 Marigold flowers and offered to St Ann's convent sisters and staff.



6. **23rd February 2021: Third harvesting of Vegetables** – Botany cluster students harvested 1kg of chillies, 1kg of Cluster beans and ½ kg of tomato sold to St Ann's convent sisters.



7. **26th February 2021: Fourth harvesting of Vegetables** – Botany cluster students harvested and marketed the leafy vegetables – Menthikura (Fenugreek leaves) and 1 kg of tomato's to St Ann's convent sisters. Superior Dr.Sr.Marietta pudota, financial administrator of the province Rev.Sr.Donata congratulated botany students.



8. **27th February 2021: BOS Meeting organized** – The Boards of Studies meeting in Botany was held on Saturday at 2pm in the Botany department. Dr.T.Padmavathi, Assistant Professor in Botany, College of Science and Technology, Adikavi Nannaya University, Rajamahendravaram as University Nominee, Dr.Prasanna Kumari, HOD of Botany, D.N.R.College, Bhimavaram as External subject expert. Dr. B.B.R.G. Vijaya Lakshmi, HOD of Botany was Botany Chair person, Mrs.G.Rani & Ms.B.Asha Latha, Lecturers in Botany were internal subject experts and Ms.K.Priyanka, III B.Sc. BZC, Ms. M.Sumitra, II B.Sc B.Z.C were Student Representatives.



March 2021:

1. **4th March 2021: Skill development Course students visit to Theresian Organic Kitchen garden**– Botany department organized a visit to all the

biological science students as a part of their skill development course Plant Nursery to Theresian Organic kitchen garden. They cleaned the brinjal, chilli, beans and tomatoes plots. Principal Dr.Sr.Marietta D’Mello blessed the students for their field work and congratulated the faculty.



2. **8th March 2021: Women’s Day Celebrations with Vegetables** – Botany department organized Women’s day celebrations along with botany students in a creative way with organic kitchen garden vegetables. 1kg of chili, 1kg of cluster beans, 1kg of broad beans and 2kgs of tomatoes were supplied and wished the Superior and Correspondent Dr.Sr.Marietta Pudota, Principal Dr.Sr.Marietta D’Mello and Vice Principal, Dr.Sr.Showrilu.



3. **1st to 10th March 2021: Student seminars** – III BZC students gave seminars on cultivation, harvesting and packaging of Cut flowers like Anthurium, Carnation, Rose, Jasmine, Rose etc.



4. **13th March 2021: REDC Business Competitions** – 8 members of III BZC students are participated in REDC Business competitions with different concepts like Azolla cultivation, Herbal medicines organized by Rural Enterprise Development Corporation. M.Dhararni, S.Deevena, B.Renuka Sai were selected for State level competitions.



5. **17th March 2021: Vegetable harvesting** – Botany cluster students harvested beans, chilies, Cluster beans, tomatoes and leafy vegetables and gave to Principal Dr.Sr.Marietta D’Mello.



6. **18th March & 25th March 2021: Vegetable harvesting and Marketing** – Botany cluster students harvested beans, chilies, Cluster beans and tomatoes and sold to senior faculty of our college. They appreciated the taste of the vegetables.
7. **15th to 20th March 2021: Herbal garden – Clean and Green** –Botany department conducted clean and green programme in Herbal garden.
8. **25th & 26th March 2021:** Botany faculty attended SWAYAM online exam on Plant Groups and Role of ICT in Teaching and Learning respectively in Vijayawada.