### ACADEMIC ACTIVITIES

### 1 ACADEMIC AWARDS WON BY OUR STUDENTS

- Ms.T.AmruthaJyothi, AMB 18 has participated in poster making, held by department of political science, Andhra Loyola college, Vijayawada and has won 2nd prize
- Mr L.Ganesh, AMB-39 has Participated in spoorthi event essay writing (telugu)
- Mr. V. Chandanasai, NMB-42, has participated in the Essay writing competition held by Dept of Chemistry, ndhra Loyola College, Vijayawada.
- Ms.Harika, AMB -03, has participated in the poster making competition held by dept of political science, Andhra Loyola College, Vijayawada and has won 2nd prize
- Ms.Harika AMB-3, has participated in the Essay writing competition held by dept of chemistry, Andhra Loyola College, Vijayawada and has won special appreciation prize
- Ms.Harika, AMB\_3, has participated in the Essay writing competition held by dept of women cell, Andhra Loyola College, Vijayawada and has won first prize
- Ms.Harika, AMB-3, has participated in the Essay writing competition held by dept of political science, Andhra Loyola College, Vijayawada
- Ms.Harika,AMB-3 has participated in Essay writing competition held for spoorthi event
- Ms. Harika, AMB-3, has participated in the debate held for spoorthi event
- Ms. P. Swetha, NMB-54 Had Participated In Poster Presentation Competition Held In "CLOCKS IN HEALTH AND ENVIRONMENT" Conducted By The Departments Of Biotechnology, Microbiology and Botany. Have Won 2nd Prize.
- Ms. Sumedha Nmb52 won 2nd prize at poster presentation held by department of biotechnology,
- Ms. Sumedha, NMB52 won consolation prize at cartoon contest at chemconi held by department of chemistry.
- Ms. I.Sumedha participated in inter college debate contest held by M.J.Naidu multi speciality hospital.
- Ms. P. Navya Sri Adilakshmi, NMB-21, has participated in the Essay writing competition held by Dept of Chemistry, Andhra Loyola College, Vijayawada and has won 2nd prize.
- Ms. P. Navya Sri Adilakshmi NMB-21, has participated in the poster presentation competition held by Dept of biotechnology, Andhra Loyola College, Vijayawada and has won 1st prize.
- Ms. P. Jyoshitha, NMB-14 has Participated in posture presentation held by Dept of Biotechnology and won 1st prize and

- Ms. P. Jyoshitha, NMB-14 ,participated in Essay Writing held by Dept of chemistry and instrumentation held by Dept of Botany and Biotechnology.
- Ms Bhargavi.P, NMB-33 has participated in the essay writing competition held by Dept of Chemistry, Andhra Loyola College, Vijayawada.
- Ms Bhargavi.P, NMB-33 has participated in the poster presentation competition held by Dept of Botany, Andhra Loyola College, Vijayawada.
- Ms. J. Sai Padma, NMB25, has participated in drawing competition and won 1st prize held by chemistry department, Andhra Loyola College, Vijayawada
- Ms. J. Sai Padma, NMB25 has participated in traditional dress competition won 1st prize ,held by KBN college, Vijayawada

## 2. RESERCH PROJECTS UNDERTAKEN BY STUDENTS:

The food tech students of final year under went for research projects as a part of curriculum here list of project titles were enclosed.

- 1. Isolation of microbes from street foods
- 2. A study report on probiotic foods
- 3. Sanitary analysis of water samples
- 4. Isolation of soil bacteria from Loyola campus
- 5. Wine production and fermentation

# 3. DETAILS OF STAFF ACTED AS RESOURCE PERSON

- Dr. K. Bala Chandra, HOD, Department of Microbiology attended as guest speaker in siddhrdha mahila kalsala on the topic Carrer Guidance and Opportunities in life sciences in abroad.
- Dr. K. Bala Chandra, HOD, Department of Microbiology attended as guest speaker on Covid -19 awareness enlightment campaign in writers voice a writings publishing online platform on a topic Series Of Fact Sheets What Do I Need To Know about Covid -19 Astma, Cancer, Chronic Kidney Disease, Diabetes, Heart Diseases

# 4. HIGH LIGHTS OF DEPARTMENTAL ACTIVITIES

- The Department of Microbiology has organized a One Day International Webinar through Google Meet/YouTube Live on 10.07.2021 from 10:00am -4:00pm on Drug Discovery and Global Prospects in Biological Sciences.
- The Department of Microbiology has organized a One Day State level Workshop on 08.09.2021 from 9:00am -4:00pm on A Practical Approach on FSSAI Based Food Adulteration Techniques.

- The Department of Microbiology has organized a Two Day National level Seminar on 20.09.2021 and 21.09.2021 on Role of Biological Clocks in Health and Environment.
- The Department of Microbiology has organized a Guest lecture on 24.09.2021 from 2:00pm-4:00pm by Pearl Training Laboratory, Guntur on Advanced techniques and instrumentation in lifesciences. The Department of Microbiology has organized a Three-Day National Webinar through Google Meet from 4<sup>th</sup> December to 6<sup>th</sup> Decembers on Recent trends in Drug Discovery, Nanobiotechnology and Food fermentation technology.

### 5. INNOVATIVE PROGRAMMES UNDER TAKEN IN DEPARTMENT

The department is organising an innovative programme in dairy technology and microbial quality control, clinical diagnosis in health clinics and bio fertilizers production as a part of or activities

# ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA - 8 Brief Report on the Activity

### ACADEMIC YEAR: 2017-2018

### Department/Wing/Unit/Cell: MICROBIOLOGY

#### S. No. in the Activity Register:1

#### S. No. in the College Activity Register:1

Name of the Activity:	National Seminar
Place:	ALC, Vijayawada
Date & Time:	7th & 8 <sup>th</sup> September 2017
No. of students participated:	100
Level: (College/Univ/State/Natl/Int)	National

#### **Details of the Activity:**

This two day UGC sponsored National Seminar on "TECHNOLOGICAL CHALLENGES FOR PROBIOTIC FOODS" conducted on 7<sup>th</sup> and 8<sup>th</sup> of September finally reached the last session. Many members, invited speakers, paper presenters and delegates drawn from different states gave an excellent presentation enlightening us on the dynamic issues of probiotics. The inaugural session started with the chief guest Dr. M. CHANDRA SHEKHAR, lightning the lamp along with all the other dignitaries present on the dais, to start the proceedings. The souvenir was released by fathers and the chief guest stated that probiotics are used as vaccines. ASHA DUMPALA, MANAGER at UNIQUE BIOTECH LIMITED, gave guidelines about probiotics and its history, scope and various probiotic products presently available in the market. In the post noon session Dr.RAJA GOPAL SIR KODALI, CHIEF OPERATING OFFICER, RAMESH HOSPITALS, discussed about role of probiotics on immune functions and infections. Next invited talk by Dr. B SIDDHARTHA was about immunal effects of probiotics and the consequences that are caused due to less usage of probiotic products. Dr. K. AMMANI, BOTANY PROFESSOR at ANU, shared her knowledge on traditional probiotic foods and their importance. Later there were oral presentations given by research scholars and students from various colleges and intuitions. On the second day, the session was started with Professor RAMA RAO sir who gave knowledge and shared information on probiotics in prevention of cancer. Later Dr. S. HEMANTH PHANI KUMAR, SCIENTIST in YEUNGNAM UNIVERSITY, SOUTH KOREA, gave guidelines on Ochratoxin as probiotics. 100 participants from various universities presented papers and we got 120 abstracts.

K. Balachandra Signature of the in charge

# Photo(s):



### ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA - 8 Brief Report on the Activity

### ACADEMIC YEAR: 2017-18

### Department/Wing/Unit/Cell: MICROBIOLOGY

#### S. No. in the Activity Register:2

#### S. No. in the College Activity Register:2

Name of the Activity:	Academic competitions (Drawing and Slogan Writing)
Place:	ALC, Vijayawada
Date & Time:	23 <sup>rd</sup> August 2017
No. of students participated:	50
Level: (College/Univ/State/Natl/Int)	College

### **Details of the Activity:**

On the eve of Environment Conservation week, The Departments of Botany, Microbiology have organised Slogan and Drawing competitions for all the degree students of our college. 50 students have actively participated in the above said competitions. Topic for the Slogan writing and drawing competions is "SAVE NATURE SAVE EARTH". Prizes were distributed to the prize winners of Slogan writing and drawing competions on the next day on which Guest lecture was organised by the Dept of Botany.

# Photo(s):





- S. No. in the Activity Register: 03
- S. No. in the College Activity Register:03

Name of the Activity:	Industrial Visit
Place:	Sangam Dairy, Vadlamudi
Date & Time:	31 <sup>st</sup> august 2019
No. of students participated:	76
Level: (College/Univ/State/Natl/Int)	College

### **Details of the Activity:**

The Department of Microbiology organized one day Industrial visit to Sangam Dairy, Vadlamudi on 8th Feb 2018 for all the final year students of the Department. 76 students were accompanied by 2 staff members Mr. K. Balachandra & Ms. M. Glory, Dept of Microbiology.

Sangam Dairy is spread over a large area and it is known for production of various dairy products such as Milk, butter, butter milk, cheese, ghee, lassi, flavoured milks, cream, etc. They explained and shown us right from the milk receiving station, analysis of milk till production of various dairy products.

As a part of their curriculum, final year students need to know about the various procedures followed in dairy Industry as it will also be useful for skill enhancement and employability.



# ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA - 8 <u>Brief Report on the Activity</u>

ACADEMIC YEAR: 2018-19

### Department/Wing/Unit/Cell: Microbiology

- S. No. in the Activity Register: 01
- S. No. in the College Activity Register:01

Name of the Activity:	A two-day DBT sponsored regional workshop on "Advanced techniques in microbial identification" conducted by the Departments of
	Biotechnology & Microbiology.
Place:	Andhra Loyola College (autonomous),
Date & Time:	31 <sup>st</sup> August and 1 <sup>st</sup> September 2018
No. of students participated:	100
Level: (College/Univ/State/Natl/Int)	College level

## **Details of the activity:**

They explained about API (Analysing Profile Index) strip, an advanced technique helpful during research works which carry 24 fundamental biochemical tests for the unique identification of an organism. The API strip is provided with the nutrients in a dehydrated form that are required forth growth of an organism. It also contains all the required reagents.

#### Newspaper clipping(s):

#### బోనాల సమర్పణ

చుటుగుంటి (సీతారాంపురంగి జర్ చివిజన్లోని మారురీ నగర్ కోకా కోలా రుపెనీ వీడిలో వేందేసియున్న శ్రీనకరమం లమ్మవారిక అవివారు రాష్ట్ర వీస్ సమాజ్య రెట్లన్ తమ్మశిత్ర రక్షకవి రుపతుల బోగాలు సమర్పరించారు. కేవిస్తారు నిర్వా హకులు ప్రత్యేక పూడా కార్యక్రమాలు నిర్వహించారు.

#### మ్యాస్ట్రమణ్ కరెచ్చినగర్ (నిజయవాడ)

(మేస్తుతం పర్యావరవానికి పెనుపై మాదం వారిట్లతోంది. నీరు, భూదం, గాలి, రెట్లు నేమ... అక్కి వివస్తు రితం అఫితున్నాయి. వీరిలో ఉంచే అరి దిద్దు సూఫ్రిక్రిమంటను గర్తించ రుతో పాటు వాటి వల్ల కరిగే అన రాలు విద్యార్ధి వరిలోనే తెలును మంటి పరిశోవనలు నేగి తెలును మంటి పరిశోవనలు నేగి త్రాప్తిత్ రాగు గాత్తించలునే విలాబ పర్తింతం లభుతున్న నేపవ్వంలో అమనిక పర్యామం లభుతున్న నేపవ్వంలో అమనిక పర్యామం లను గర్తించినికి రాలమిక పర్ రాగులో అమనిక పరిట్రాలన్ని పిలి దేవాగులని పార్పెక్ ప్రభుమాలను దిని ద్వారా పార్పెషు స్థిపిపాయ రంగాల్లో అమనిక పరిట్రాలన్ని పిలి నేపులు పరిగద తాలెన్ని పుడిగారు. దేవి ద్వారా పార్పెకు స్థిపిపాయ రంగాల్లో అమనిక పరిట్రాలన్ని పిలి నేపులు వినిద తాలెన్ని అయిందు పిల్లి చిని పరిషు స్థిపిపాయ రంగాల్లో అమనిక పరిట్లిపోయగా దిన్ని స్థాయిలో విపార్యలను అమనిక పరిషర్ సాయిక పోపుడు అంతం పై కార్యాలు సంస్థికించిన అందా లయాల నుంచిన పోపుడు అంతం పై కార్యాలు సంస్థికంలను అయాలిన్నా రందు రోజులపాటు అవర్యాల్లం సందు రోజులపాటు బిల్లినాను భుతు వచ్చిం రచువుకు ఉపారు, అవుకు వచ్చిం రచువుకు ఉపారు, అవుకు వచ్చిం రచువుకు ఉపారు, అవుకు వచ్చిం రచువుకు ఉపారు పరిచించిన పిజ్యాకు అర్రెంలు దోపాన పరించని విజ్యాకులు కుర్యాలు దోపాన పరించని విజ్యాకు అర్రి పారు పరించను విజారాలు కార్యాలల దోపాన పరించను విజాలు కార్యాలల దోపాన పరించను విజాలాలు కార్యాలల దోపాన



**නසාරා**බයි ණාර්ථ

#### 🔺 శాస్త్రవేత్తనుభితా

ప్రభుత్వ ఈశాలలో కల్బర్ పరీక్ష చేయాలంటి బాగా సమయం పదుతుంది చెవర సంవత్సరంలో చేసి ప్రాకెట్ట గదువు పెరిగపోతుంది కార్యశాలక రావపుతో ఒకేసారి 8ి నాజ్మ (జేముదు రావి ఆర్షార్ల పోయా ఈ సమయంలో వరైన జాగ్రత్తలు రీసుకోక పోతే కరీరులోక రావ్సుకొని వచ్చే అవకాశం అంది కానీ అముగళ పరీక్ష బిరా నంతో ఎంతో కర్షత అంది స్టార్టీవ్ మంగికాల కరి పెట్టాలనే పురుల్పంతో పేహెంద్ చేసి శాస్త్రవేత్త కావాలనేది నా లక్షుం

- కె.ఎస్.మహర్తి, ఎస్ఆర్ఆర్ డిగ్లీ కళాశాల

మీక ప్రాతిక్షులకు చాలా సమయం పడుతుంది ఒక్కోసారి ఒక పష్మీ చేయడాడకి 23 సెజల సమయం పట్టిని ఇళి బంత తక్కువ సమయంలో 24 పరీక్షణ చేయడం అబ్బరంగా అంది. పార్చా రంగంలో ఎంతో అపయిగాగపడాయి. వమం పోరి పరీక్షల ప్రభాగాలుని వరితో అరుసంధానం చేయడంతో విధానంలో లోటుపాట్ని వెంజనే తెలుపుద్వాయి. ఎ ఏ ఐ కిటి బర్సుతో కూడుపద్దా పేజక వళాశాలలో అందుబాటులో ఉందితే పరిళితనలకు ఎంతో ఉపయ్యాంగా ఉదాబాటు ఉందాలు



- కోదూరు నీరణానుతి, లయాల పీజీ కతాతాల

## photos





# Photo(s)







S. No. in the Activity Register: 02

# S. No. in the College Activity Register:02

Name of the Activity:	INTERNATIONAL OZONE DAY
	Guest Lecture
	Academic competitions (Drawing and Slogan Writing)
Place:	Andhra Loyola college
Date & Time:	16th September 2018
No. of students participated:	100
Level:	college



S. No. in the Activity Register: 03

# S. No. in the College Activity Register:03

Name of the Activity:	Guest Lecture on lymphoid organs
Place:	Andhra Loyola college
Date & Time:	30th Nov, 2018
No. of students participated:	100
Level: (College/Univ/State/Natl/Int)	college





S. No. in the Activity Register: 04

### S. No. in the College Activity Register:04

Name of the Activity:	Guest Lecture on Impact of cancer awareness on Society
Place:	Andhra Loyola college
Date & Time:	2nd Feb, 2018
No. of students participated:	100
Level: (College/Univ/State/Natl/Int)	college

# Department/Wing/Unit/Cell: Microbiology

- S. No. in the Activity Register: 05
- S. No. in the College Activity Register:05

Name of the Activity:	Industrial Visit

Place:	Cococola- tenali
Date & Time:	8th Feb 2018
No. of students participated:	76
Level: (College/Univ/State/Natl/Int)	College

# S. No. in the Activity Register: 06

# S. No. in the College Activity Register:06

Name of the Activity:	Industrial Visit
Place:	Sangam Dairy, Vadlamudi
Date & Time:	31 <sup>st</sup> august 2019
No. of students participated:	76
Level: (College/Univ/State/Natl/Int)	College

#### **Details of the Activity:**

The Department of Microbiology organized one day Industrial visit to Sangam Dairy, Vadlamudi on 8th Feb 2018 for all the final year students of the Department. 76 students were accompanied by 2 staff members Mr. K. Balachandra & Ms. M. Glory, Dept of Microbiology.

Sangam Dairy is spread over a large area and it is known for production of various dairy products such as Milk, butter, butter milk, cheese, ghee, lassi, flavoured milks, cream, etc. They explained and shown us right from the milk receiving station, analysis of milk till production of various dairy products.

As a part of their curriculum, final year students need to know about the various procedures followed in dairy Industry as it will also be useful for skill enhancement and employability.



# ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA - 8 Brief Report on the Activity

# ACADEMIC YEAR: 2018-19

### **Department/Wing/Unit/Cell:** Microbiology

# S. No. in the Activity Register: 07

## S. No. in the College Activity Register:

Name of the Activity:	Industrial Visit
Place:	Agriculture Research station, Amaravathi
Date & Time:	8th Feb 2018
No. of students participated:	76
Level: (College/Univ/State/Natl/Int)	College







# ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA - 8 Brief Report on the Activity

### ACADEMIC YEAR: 2018-19

## **Department/Wing/Unit/Cell: Microbiology**

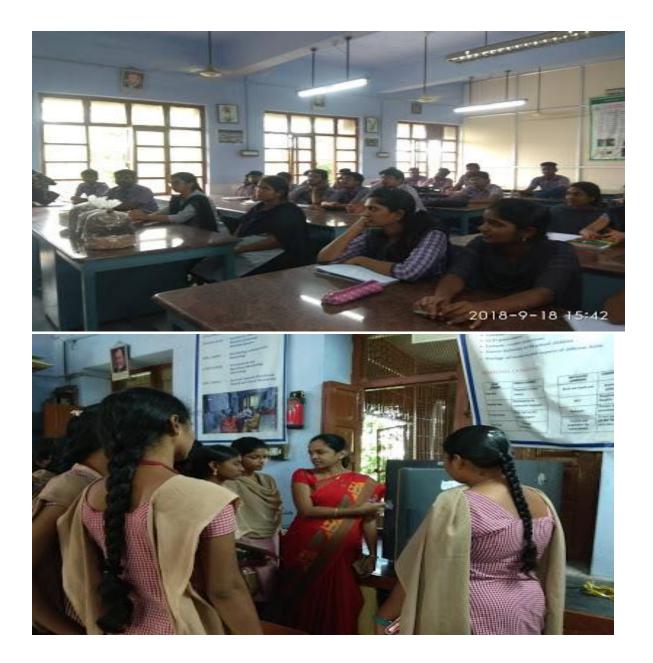
### S. No. in the Activity Register: 08

### S. No. in the College Activity Register:

Name of the Activity:	DBT has organised one day DBT regional workshop on "MUSHROOM CULTIVATION" in collabaration with TANUSREE MUSHROOMS
Place:	Andhra Loyola college
Date & Time:	8th September 2018
No. of students participated:	100
Level: (College/Univ/State/Natl/Int)	College









10.00





### ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA - 8 Brief Report on the Activities

#### **ACADEMIC YEAR: 2019-2020**

### Department/Wing/Unit/Cell: Microbiology

### S. No. in the Activity Register: 01

### S. No. in the College Activity Register:01

Name of the Activity:	Dr. V. Rajkumar, Scientist from Frankfurt University, Germany has delivered a talk on Global Placements in German Education
Place:	Andhra Loyola College (autonomous),
Date & Time:	28th January 2020.
No. of students participated:	100
Level: (College/Univ/State/Natl/Int)	College level
Details of the activity	

Details of the activity

The students of III BSC Biotechnology Participated in the program. He focused on different career oppoutunities and job prospectus in different companies for Life science students. Mr .K Balachandra , Dr. T. Rosemary Department Botany and faculty of Microbiology participated in the guest lecture. Rev .Fr Dr Victor Emmanuel principal Felicitated the resource person , the session end with vote of thanks.

S. No. in the Activity Register: 02

### S. No. in the College Activity Register:02

Name of the Activity:	Guest talk on Water Resources and Conservation
Place:	Andhra Loyola College (autonomous),
Date & Time:	31 <sup>st</sup> January 2020
No. of students participated:	100
Level: (College/Univ/State/Natl/Int)	College level

#### Details of the activity:

Ajeet Kuntal from Mathura. He explained about how the water is being wasted by the humans in various parts of our co8untery and advised students not to waste water in homes. He further emphasised various measures to save or conserve water for our future generations.

Mr .K Balachandra , Head Department of Microbiology and faculty of the Department participated in the guest lecture. Rev .Fr Dr Victor Emmaneaual principal Felicitated the resource person, the session ends with vote of thanks.



#### A.Y:2022-23

# ANDHRA LOYOLA COLLEGE (Autonomous) – Vij- 08 PRESS REPORT

Departments of Microbiology and Food Technology in association with IQAC has conducted a Two - Day National Seminar on "RECENT TRENDS IN MICROBIAL THERAPEUTICS AND PROBIOTICS", on 16th and 17th February, 2024. Rev. Fr. G. Kiran Kumar S.J. has inaugurated the ceremony and gave his word of wisdom and blessed the gathering. Mr.B.Srinivasa Raju, Business Head of i20 fever came as a chief guest and given a talk on career guidance and opportunities in the field of Microbiology and Food Technology. Dr. G. Gladvin, Asst. Professor from the Department of Food Science and Technology, Secunderabad and Dr. T. Jagan Mohan Rao from the Department of Biotechnology NIT-AP delivered their talks on Microbial Therapeutics and Probiotics about how they function in our body and how they can be transformed into several other aspects and the benefits that a human body can obtain. The second day of the seminar has started with Dr. P. Harikanth, Scientist at Horticulture Fruit Research Station, Dr. S. Bhavana, Associate Professor and Dr. T. Bharani Krishna, Assistant Professor from Pinnamaneni Dental College shared their knowledge and their thought-provoking conversations has inspired students. The National Seminar has is concluded by Dr. K. Bala Chandra, HOD Microbiology and Food Technology with a formal vote of thanks.







#### **RESERCH FACILITIES**

THE department of microbiology is collaborated with the interdisciplinary research lab. The research lab is well equipped with the highly sophisticated instruments like rotaevoporater for separation of compounds and UV-VISIBLE spectrophotometer for graphical representations and well advanced microbiological instruments like vertical laminar air flow for sterilization purpose and gel documentation for the DNA analysis student's undergone minor projects as part of curriculum by utilization of research facilities.

**RESEARCH GUIDANCE:** The department of microbiology designed and developed the curriculum keeping in view about the current research areas. Students and staff of the Dept use the resources provide by the college such as the interdisciplinary research laboratories well furnished equipment etc in order to carry out the research activities in the form of project works as a part of the curriculum. Staff of the dept motivates the students to apply the curricular aspects in identifying, analyzing and solving the problems and evoke innovative ideas

The curriculum is developed in such a way that it addressed the needs of the society and has relevance to the regional/national developmental needs. Papers such as Environmental and Agricultural Microbiology, Medical Microbiology, Clinical Microbiology are incorporated in the curriculum which consists of topics related to current areas of research to further the development and meet the needs of the society.

### **GALLERY**





FELICITAION BY MANAGEMENT FOR Ph.D achievement