

## RESEARCH FORUM 2016-17

To encourage and inculcate research aptitude among students departments actively encouraged students to participate in various programs and also to present their works in various seminars.

### DEPARTMENT OF BIOTECHNOLOGY

Department mentored students to apply for different internship programmes in esteemed institutions.

#### LIST OF STUDENT INTERNSHIP

Sl.No.	Name of the student	Internship details
1	Ms.Amie Maria Jiji II DC Biotech	JNCASR Summer Research Fellowship Programme- 2 months
2.	Ms.Biji Raphy I DC Biotech	JNCASR Summer Research Fellowship Programme- 2 months

### Department of Microbiology

- Department of microbiology encouraged the research skills among students by conducting paper presentations every fortnightly Thursdays from reputed journals. This made students to understand various research activities in respective field.
- Department also encouraged students to participate in international conference in Immunology on 24-25 January 2017 conducted by St. Xaviers College Aluva.
- List of seminars participated by students

Sl no	Name of student	Event	Date	Venue	Position secured
1	Nima Lawrence	International Conference On Immune Response In Health And Disease Organized by the	24 & 25 January 2017	St Xavier's College For Women Aluva	-

		Department Of Microbiology And Kerala State Council For Science Technology & Environment			
2	Anjali A V	“	“	“	
3	Greeshma Das	“	“	“	
4	Shiga K	“	“	“	
5	Reshma Anto	“	“	“	
6	Nima Lawrence	YUVA MASTERMIND 2017 ,a state level innovative project contest for students Topic: Biogenic Wound Healing Material organized by the Malayalam Manorama and IBS	27-28 January 2017	LULU International Convention centre ,Thrissur	Certificate of appreciation
7	Anjali A V	“	“	“	“
8	Asna Ashraf	“	“	“	“
9	Jisha jose	“	“	“	“
10	Joohi Mathew	“	“	“	“

List of student presentation inside and outside college

Name of the student	Title of paper	Seminar	International/ National/Regional	Date and Venue
Remya M.S		Dr. Sr. Rani George Endowment Lecture (RGEL-IV) & National Level Paper Presentation Competition	National	16 December 2016, St Mary's College Thrissur

<b>Anjali AV, Nima Lawrence, Jisha Jose, Joohi Mathew and Asna Ashraf (M Sc students)</b>	Biogenic wound healing material	YUVA mastermind competition	State level	26-28 Jan 2017
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#### Research relevant talks and activities

Date	Resource Person	Topic
07/09/2016	Dr. Hemamalini, Medical Officer (NHM), Govt. Ayurvedic Hospital, Chalavara, Palakkad.	Microbiology Association Inauguration  Invited talk on “മഴക്കാലരോഗങ്ങളും പ്രതിരോധ വും -ആയുർവേദത്തിൽ”
17/11/2016	Dr. Sindhu Pradeep, Family counsellor, Vanitha Cell, East police station, Thrissur	Motivational talk on “Positive way of living - Say No to Stress”.
1/2/2017– 3/2/2017	Dr. N. Anandavally, UN-FAO Consultant in HACCP	3 day training programme on Hazard Analysis and Critical Control Point concepts for III DC students of Microbiology & Biotechnology and teaching staff.

21/3/17	Mr. Shyam Mohan, HOD, Department of Bioinformatics, UC College, Aluva	Expert Class on Bioinformatics
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#### 8. Journal presentations

Sl.No:	Name of the Student	Topic	Date of Presentation	Journal selected
1.	Asna Ashraf	Effect of Biofertilizers on yields of chilli crop	6-10-2016	Enrich Environment
2.	Athira v R	A simple method for the rapid detection of porcine pseudorabis in clinical	6-10-2016	Journal of Pure and Applied Microbiology
3.	Divi K Tony	Bioremediation of textile dyeing waste water by cyanobacteria	13-10-2016	Enrich Environment
4.	Disney Davis	Effects of rain fall and salinity increase on prevalence of vektor mosquitoes in coastal areas of Alappuzha	13-10-2016	Journal of environmental biology
5.	Gayathri N S	Effect of vermicompost application on leaf yield in Terminalia tomentosa W	3-11-2016	Plant Archives
6.	Jisha Jose	Newly isolated rhizobacteria as plant growth promoters for Maize plant	3-11-2016	Journal of Pure and Applied Microbiology
7.	Remya M S	Production of Indole acetic acid by Azotobacter strains associated with mung bean	17-11-2016	Plant Archives
8.	Joohi Mathew	Effect of Enteromorpha intermedia K.extract on seed germination and seedling growth of Spinacia oleracea	17-11-2016	Enrich Environment
9	Ruksana Sharin PI	Veterinary and sanitary assessment of ocasttle	01-12-2016	Journal of Pure and Applied Microbiology

		meat of animals infected with Salmonellosis		
10.	Sofiya P J	Biodegradation of surfactants in Mula-Mutha rivers water in pune city	01-12-2016	Enrich Environment
11.	Renuka S	In vitro antagonism of rhizobium strains isolated from various legumes	15-12-2016	Journal of Pure and Applied Microbiology
12.	Renuka S	Production of lactic acid using Lactobacillus casei from whey	9-3-2017	International journal of biology and technology



Invited talk on the topic “PGPR and its significance in Agriculture”.



invited talk on the topic “Liver Diseases in Women



3 day training programme on Hazard Analysis and Critical Control Point concepts for III DC students of Microbiology

### **Department of Biochemistry**

- Department of Biochemistry encouraged and mentored students to participate in YUVA mastermind competition conducted by Malayala Manorama. Guidance were given to students in writing project proposals and applied for the programme. A herbal solution for all kinds of wounds were invented and received special attention during the final

competition. Ms. Anjali A V and Nima Lawrence from MSc Microbiology presented the invention during the programme.

#### **Biogenic wound healing material developed from coconut**

##### **Wound before and after 12 hrs of treatment**



- Department also encouraged students to think about startups in their fields.
- Students were given guidance to write manuscripts including review articles.
- We also encouraged students to publish their works.
- Ms. Ambily Sasidharan from MSc Biotechnology presented paper in UGC sponsored national seminar Recent Advances In Chemistry conducted by Vimala College Thrissur on 9<sup>th</sup> Jan 2017.
- Ms. Neethu K R from MSc biotechnology published the article 'Partial Purification And Characterisation Of Lipase From *Eupatorium Odoratum*' in World Journal Of Pharmacy And Pharmaceutical Sciences Volume 5, Issue 12 pages 1201-1212. ISSN 2278 – 4357.

#### **Department of Chemistry**

1. I M.Sc chemistry students participated in the national seminar on "Frontiers in Applied chemistry" organized by the research and post graduate department of chemistry, St. Thomas college on Feb 6 & 7.
2. Anitta Mathew of I M.Sc. chemistry presented a paper on 'Ethano medical practises against snake bite and poisonous sting of other organisms among tribal population in wayanad' at IMRF Goa in an interenational science conference on Nov 3 to 7.

3. Anitta Mathew presented a poster on the topic " pyrrolizidine alkaloids - Magic of Nature" in the butterfly fest conducted in St. Mary's college.

Other departments also encouraged students by giving informative and motivational talks in respective fields.

**Department of Mathematics**

Seminars participated by students

Sl No	Department	Seminar attended	Date	Venue	No. of students
1	MATHEMATICS	A talk on CRYPTOGRAPHY by Mr.Saju M I, Asst Professor of Mathematics, St Thomas College, Thrissur ( as a part of department association inauguration)	23/08/2016	St.Maryt's College, Thrissur	150
2	MATHEMATICS	Mathematics Enrichment programme	12/11/2016	CUSAT	08





#### Student Presentation Details

18/11/2016	Ist PG Mathematics	Dhaleema Anju Francis	Sahrdaya college of advanced studies, Kodakara	Cryptography
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#### Research relevant talks and activities

- Marian Research Centre for Mathematics St. Mary's College conducted a workshop on Latex for research scholars by Dr. Anjaly Kishore, Assistant Professor, Vimala College Thrissur on 03-12-2016
- Dr. A Noufal, Assistant Professor Dept. of Mathematics Cochin University of Science and Technology gave a talk on the topic "Wavelets" on 30-01-2017, in connection with Ramanujan day celebrations.

#### DEPARTMENT OF BOTANY

##### NATIONAL SEMINAR

##### 2016-2017:

KSCSTE Sponsored Two Day National Seminar on "**Habitat Restoration and Butterfly Conservation**" organized by Department of Zoology and Botany on 7-8<sup>th</sup> February 2017.

##### BVoc

<b>Seminars conducted by the Department</b>	
JULY	<ul style="list-style-type: none"> <li>➤ One day seminar on Soft Boot Camp – Futuristic Software Development Practices .</li> <li>➤ Resorce Person : Mr. Rijas Sulaiman Nalakath (Co-Fonder-Aspros Technologies WLL Doha, Qatar,</li> <li>➤ CTO-Wallstreet Finance –New York , Founder-Thought Box Online. Participants from various colleges - <b>SOFTWARE DEVELOPMENT</b></li> </ul>

Commented [DD1]:

<b>OCTOBER</b>	<ul style="list-style-type: none"> <li>➤ One Day seminar on VFX Technology. Resource Person: Mr. Girish KR( C.C O Partner, Freelance FxArtist)- <b>MULTIMEDIA</b></li> <li>➤ A Seminar on ‘Python Programming’ Resource Person : Mrs. Heera (IRS Computers , Thrissur)- <b>SOFTWARE DEVELOPMENT</b></li> </ul>
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## DEPARTMENT OF PSYCHOLOGY

### 1. List of seminars participated by students

Sl No:	Name of the student	Seminar/workshop (subject oriented)	Date and Venue	International/national/state/regional
1	Betty Paul	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional
2	Hiba	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional
3	Jebin Jacob K	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional
4	Litty Anto	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional
5	Nidhimol K.J	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional

6	N.R.Dhilsha Rajan	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional
7	Ahlam A. T.	Dignity in Mental Health-Psychological & Mental Health - First Aid for All  Cognitive Behaviour Therapy	19/10/2016 Sacred Heart Hospital, Pullur  13 - 15/12/2016 Carmel Santi Dham Institute of Counselling Psychology, Thrissur	Regional  Regional
8	Athira Mohanan	Dignity in Mental Health-Psychological & Mental Health - First Aid for All  Cognitive Behaviour Therapy	19/10/2016 Sacred Heart Hospital, Pullur  13 - 15/12/2016 Carmel Santi Dham Institute of Counselling Psychology, Thrissur	Regional  Regional
9	Dhilmi Das V	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional

		Cognitive Behaviour Therapy	13 - 15/12/2016 Carmel Santi Dham Institute of Counselling Psychology, Thrissur	Regional
		Assessment and Management of Intellectual, Learning and Developmental Disabilities	9 & 10/02/2017 Union Christian College, Aluva.	National
10	Malavika K.S	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional
		Cognitive Behaviour Therapy	13 - 15/12/2016 Carmel Santi Dham Institute of Counselling Psychology, Thrissur	Regional
11	Renya C. V.	Cognitive Behaviour Therapy	13 - 15/12/2016 Carmel Santi Dham Institute of Counselling Psychology, Thrissur	Regional
12	S.Devika	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional

		Cognitive Behaviour Therapy	13 - 15/12/2016 Carmel Santi Dham Institute of Counselling Psychology, Thrissur	Regional
		Assessment and Management of Intellectual, Learning and Developmental Disabilities	9 & 10/02/2017 Union Christian College, Aluva.	National
13	Sadiya Bathul	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional
		Cognitive Behaviour Therapy	13 - 15/12/2016 Carmel Santi Dham Institute of Counselling Psychology, Thrissur	Regional
		Assessment and Management of Intellectual, Learning and Developmental Disabilities	9 & 10/02/2017 Union Christian College, Aluva.	National
14	Shafna N.K	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional

		Cognitive Behaviour Therapy	13 - 15/12/2016 Carmel Santi Dham Institute of Counselling Psychology, Thrissur	Regional
15	Smijimol K.J	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional
		Cognitive Behaviour Therapy	13 - 15/12/2016 Carmel Santi Dham Institute of Counselling Psychology, Thrissur	Regional
		Assessment and Management of Intellectual, Learning and Developmental Disabilities	9 & 10/02/2017 Union Christian College, Aluva.	National
16	Sumaya P. S	Dignity in Mental Health-Psychological & Mental Health - First Aid for All	19/10/2016 Sacred Heart Hospital, Pullur	Regional
		Cognitive Behaviour Therapy	13 - 15/12/2016	Regional

		Assessment and Management of Intellectual, Learning and Developmental Disabilities	Carmel Santi Dham Institute of Counselling Psychology, Thrissur  9 & 10/02/2017 Union Christian College, Aluva.	National
17	Sunaina M Sulaiman	Dignity in Mental Health-Psychological & Mental Health - First Aid for All  Cognitive Behaviour Therapy	19/10/2016 Sacred Heart Hospital, Pullur  13 - 15/12/2016 Carmel Santi Dham Institute of Counselling Psychology, Thrissur	Regional  Regional

### **Survey on Awareness of Adolescent Girls on Child Abuse**

The students of the Department of Psychology, had conducted a survey on the knowledge and awareness of child abuse at Sacred Heart G.H.S.S, Thrissur on 30.11.2016. Students of plus 1 and plus 2 classes were selected for the survey. A total of 300 samples were taken. They were given a questionnaire 'Knowledge about Child Abuse among Adolescent Girls'. There were a total of 75 questions in the questionnaire which included the areas - physical abuse, emotional abuse, neglect, sexual abuse and substance abuse. Students were given general instructions regarding the questionnaire. The duration was 1 hour and the students were very co-operative. They completed the test within the allotted time. A word of gratitude was expressed to the principal and teachers of higher secondary section for allowing the conduction of the survey. On analyzing the results, it was found that more than half of the students scored above average and only a few number of students scored below average. This shows that most of them are aware of child abuse and are knowledgeable about the circumstances that may lead to it and how to tackle them.





### Journal presentations

Sl. No	Date	Name of the Student	Class	Topic
1	15/06/2017	Jebin Jacob	2 <sup>nd</sup> PG Psychology	To Study the Life Satisfaction among Nurses Using Interview Method
2	15/06/2017	Betty Paul	2 <sup>nd</sup> PG Psychology	To Study the distress of Caregivers of Cancer Patients using Interview Method
3	15/06/2017	Nidhi Jude	2 <sup>nd</sup> PG Psychology	To Find out the Quality of Life among Women Police Personnel

### Department of Commerce

List of seminars participated by students

Sl No	Dept And Class	Seminar Topic	Date And Venue	International/ National/ State/Regional/interc ollegiate	No. of students participated
1.	Com merce	Dr. Sr. Rani George endowment Paper presentation competition	St. marys college	National	1
2.	Com merce	UGC Sponsored Digital Innovation Conference	14/12/2016 Bharat Matha college , Thrikakkara	National	6
3.	Com merce	National Seminar on Impact of Goods and Services Tax on Trade and Commerce in India	ST. Micheals College, Cherthala	National	6

List of student presentation inside and outside college

Sl.No	Name of Student	Date	Topic	Event Name	Venue	Type
1	Femy Moni	11-11-16	Impact of Goods and	National Seminar on Impact of Goods and	ST. Micheals College, Cherthala	UGC-National

			Services Tax on Indian Economy	Services Tax on Trade and Commerce in India		
2	Jinu Rose T K	11-11-16	Impact of Goods and Services Tax on Indian Economy	National Seminar on Impact of Goods and Services Tax on Trade and Commerce in India	ST. Micheals College, Cherthala	UGC-National
3	Vijisha K	11-11-16	Impact of GST	National Seminar on Impact of Goods and Services Tax on Trade and Commerce in India	ST. Micheals College, Cherthala	UGC-National
4	Reshmi N S	11-11-16	Impact of GST	National Seminar on Impact of Goods and Services Tax on Trade and Commerce in India	ST. Micheals College, Cherthala	UGC-National
5	Lubna Jainney	11-11-16	The study on advantages and disadvantages of GST	National Seminar on Impact of Goods and Services Tax on Trade and Commerce in India	ST. Micheals College, Cherthala	UGC-National
6	Teslin Seby V	11-11-16	The study on advantages and disadvantages of GST	National Seminar on Impact of Goods and Services Tax on Trade and Commerce in India	ST. Micheals College, Cherthala	UGC-National
7	Roshima A.	14/12/16	E- Learning And Its Effect In Present Era	Ugc Sponsored Digital Innovation Conference 2016	Bharath Matha college ,Thrikakkara	UGC-National
8	Jiffy A. J.	14/12/16	seminar on E-Banking	Ugc Sponsored Digital Innovation Conference 2016	Bharath Matha college ,Thrikakkara	UGC-National
9	Anjani Antony	14/12/16	E Banking Benefits and challanges	Ugc Sponsored Digital Innovation Conference 2016	Bharath Matha college ,Thrikakkara	UGC-National
10	Greeshma V. A.	14/12/16	seminar on E-Banking	Ugc Sponsored Digital Innovation Conference 2016	Bharath Matha college ,Thrikakkara	UGC-National
11	Femi A. S.	14/12/16	seminar on E-Banking	Ugc Sponsored Digital Innovation Conference 2016	Bharath Matha college ,Thrikakkara	UGC-National
12	Anne Maria Jose	14/12/16	seminar on E-Banking	Ugc Sponsored Digital Innovation Conference 2016	Bharath Matha college ,Thrikakkara	UGC-National
14	Roshima A.	14/12/16	seminar on E-Banking	Rani George Endowment National Seminar	St. Mary's College, Thrissur	National

Research relevant talks and activities

<b>Sl No</b>		<b>Faculty</b>	<b>Date And Venue</b>
1.	Invited Talk on Research Methodology	Dr. Murali E. ,Associate Professor & Head, Department Of Commerce, Sri C. Achuthamenon Government College, Kuttanellur.	28-10-2016, St. Mary's College, Thrissur