



JUNE 2018

ABOUT THE COLLEGE

Nirmala College for women, situated in Red fields, Coimbatore-18 is run by the Congregation of the Franciscan Sisters of the Presentation of Mary.

The College had its humble beginning as a second grade College in the year 1948. The founder Msgr. Oubagarasamy, D.D., the Bishop of Coimbatore, with a missionary zeal and farsighted vision worked to contribute his mite to the tremendous task of developing women's education for the development of free India. He sent a proposal to the University of Madras requesting permission for the Coimbatore Diocese to start a college for women in Coimbatore. Thus Nirvana College came into being on the first of July 1948. The college has now emerged as one of the premier institutions of learning, propagating higher values of education and learning, with hopes and dreams to achieve her goal, "*Knowledge purifies, Charity Enhances*".

In recognition of the high academic performance and service the college was accredited with “A” **grade** by NAAC during the academic year 2003-04 and was conferred **Autonomous status** in the year 2007.

The enhancement and sustenance of quality led to the reaccreditation with “A” Grade in the academic year 2010-2011. The UGC Expert committee visited the college on 22nd and 23rd April, 2014 to review the Autonomous status. In the year 2016 the college was once again reaccredited in the III cycle of NAAC to ‘A’ Grade with a score of 3.62 on a 4 point scale.

AIM

Nirmala College for Women aims to equip young women with quality education and life skills, personal skills and social skills that ensure productivity and confidence to take the rightful place in all areas of life, public and private.

OBJECTIVES

In pursuit of this aim, Nirmala College for Women seeks

- ✚ To nurture in the students intellectual curiosity, a quest for knowledge and the ability to translate their knowledge to creative use.
- ✚ To develop in the students a capacity to identify their own potential and form a holistic personality.
- ✚ To mould the students into morally upright and spiritually enlightened human beings
- ✚ To sensitize students to be socially committed, to awaken their conscience and enable them to emerge as active agents of social change.
- ✚ To ever promote National Integration.

DEPARTMENT OF BIOTECHNOLOGY
PROFORMA FOR SUBMISSION OF PROGRESS REPORTS BY
COLLEGES SUPPORTED UNDER STAR COLLEGE SCHEME

1. **Name of the College** : Nirmala College for Women, Coimbatore
2. **Name of Departments** : Zoology, Botany and Chemistry
- Supported**
3. **Name of Coordinator** : Dr. Pawlin Vasanthi Joseph
- Designation** : IQAC Co-ordinator and Head
- Address** : Associate Professor, Department of Zoology,
Nirmala College for Women (Autonomous),
Red fields, Coimbatore- 18.
- Phone Number.** : +91 9655513364
4. **Number of regular faculty (BT/HRD/11/019/2012)**

Department	No. of regular faculty	With PhD	With M. Phil
Zoology	9	7	2
Botany	5	5	-
Chemistry	4	3	1

5. **List of courses (B.Sc./M.Sc./ PG diploma, certificate etc) run by different participating**

Departments:

Zoology

B.Sc., Zoology (Aided)

M.Sc., Zoology (Self Financing)

Research programmes:

M.Phil in Zoology

Ph.D in Zoology

COP in Vermitechnology – (UGC Funded)

Certificate

Diploma and

Advanced Diploma

Botany

B.Sc., Botany (Aided)

M.Sc., Botany (Self Financing)

M.Sc. Bioinformatics-UGC Sponsored

Innovative Course

Research programmes:

M.Phil in Botany

Ph.D in Botany

Certificate course:

UGC Sponsored

Floriculture and Bonsai

Medicinal Botany

Chemistry

B.Sc., Chemistry (Aided)

M.Sc., Chemistry (Self- Financing)

M.Phil and Ph.D. (Self- Financing)

6. Cut off % for admission in different courses in participating departments, positions in university, % result in 2017-18 academic sessions

Department	Total strength of students		Cut off Percentage for admission	Positions in University	% of results /Nov2017
Zoology	I-B.Sc	45	60% and Above	Autonomous	98%
	II-B.Sc	31			99%
	III-B.Sc	37			100%
Botany	130		60% and Above	Autonomous	98%
Chemistry	I-B.Sc	34	60% and Above	Autonomous	91.18%
	II-B.Sc	28			92.86%
	III-B.Sc	24			87.50%

6a. List of projects undertaken by students, industrial visits by students, summer training in last one year:

Department	List of Projects (Topics)	No/. of Students (under the Project)
Zoology	A study of the Ukkadam lake , Coimbatore: Plankton and Physico chemical Analysis	7
	Bio efficacy of the medicinal plant <i>Vitex negundo</i> on the bean weevil <i>Acanthocelides obtectus</i> (Say) Chrysomelidae coleoptera	6
	Limnological studies of Sulur Lake, Tamilnadu India	8
	Morphometric analysis of <i>Sardinella longiceps</i> collected from different geographical locations	8
	Study on the replency, mortality and control of grain loss by the rhizome extracts of <i>Curcuma</i> <i>zedoraia</i> rosc on <i>Sitophilus oryzae</i> (Linn,1763)	8
	Vermicomposting of Poultry waste: A physio – chemical and microbial analysis	7
	Vermicomposting of fresh grape fruit wasted and leaf litters using the earthworm <i>Eisenia foetida</i>	6
	Comparative performance of organic manures and biofertilizers on biometric parameters of <i>Coriandrum sativum</i> (Linn)	8
	Competency of vermicompost on the growth and biochemical parameters if <i>Vigna radiata</i> L. in the textile effluent treated soil.	8
	Vermicomposting of water hyacinth <i>Eichhornia</i> <i>crassipes</i> employing indogenous earthworm <i>Eudrilus eugrniae</i>	8

Botany	Comparative and phytochemical studies on <i>Coleus aromaticus</i> Linn. (Lamiaceae) and <i>Vitex negundo</i> Lour.(Verbinaceae)	10
	A Survey On the Nursery Plants in the Selected areas of Coimbatore District.	5
	An Ethnobotanical Survey on medicinal plants used by tribal people in Attappadi, Palakkad District Kerala, South India	1
	Comparison of Phytochemical and Biochemical analysis in leaves of <i>Justicia gendarussa</i> Burm.F and <i>J.Adhatoda</i> Linn.	1
	The study on waste water treatment capacity of Vetiver grass in hydroponic system.	1
	Effect of various types of kitchen waste water on the growth of <i>Abelmoschus esculantus</i> Linn.	1
	Comparative studies on biochemical and phytochemical analysis of <i>Syzygium cumini</i> (L.) Seed- wild and hybrid	1
	Biochemical and phytochemical analysis of <i>Simarouba galuca</i> Dc., (Leaves)	1
	Nutritional and phytochemical analysis of <i>Tragia involucrate</i> L. (Leaves)	1
	Biochemical and phytochemical analysis of <i>Ficus auriculata</i> Lour. (Leaves)	1
	Biochemical and phytochemical analysis of <i>Punica granatum</i> L. Peel (Hybrid)	1
	Phytochemical and Biochemical analysis of leaf, pulp and seed extracts of <i>Moringa oleifera</i> Lamk.	1
	Phytochemical and Biochemical analysis of <i>Hemigraphis colorata</i> (Blume). HG. Hallier	1
	Phytochemical and Biochemical analysis in <i>Carica</i>	1

	<i>papaya</i> Linn.	
	Phytochemical and Biochemical analysis in seeds of <i>Atrocarpus heterophyllus</i> Lam.	1
	Preliminary phytochemical and Biochemical analysis of <i>Breynia vitis</i> Idaea (Burm.F.) C.E.C. Fisch.	1
	Preliminary phytochemical and Biochemical analysis of <i>Citrus maxiam</i> (Burm) Merr.	1
	Preliminary phytochemical and Biochemical analysis of <i>Ruta graveolens</i> Linn. (Family- Rutaceae)	1
	Study on Larvicidal activity of the leaf extracts of <i>Murraya konigii</i> Spreng. Against <i>Culex</i> sps.	1
	A study on preliminary phytochemical analysis of the ethanolic leaf extract of <i>Holoptelea integrifolia</i> Planch (Family - Ulmaceae)	1
	Comparative analysis of Larvicidal activity of the selected leaf extracts against <i>Culex</i> sps. Mosquito larvae	1
Chemistry	Evaluation on therapeutic potential of <i>Vernonia cinerea</i>	3
	Phytochemical constituents and in Vitro antibacterial activity of <i>Myristica fragrans</i>	3
	Determination of Physicochemical parameters of water	6
	Synthesis ,Characterization and biological activity of copper(II) complex of benzaldehyde benzoyl hydrazone	6
	Phytochemical screening , FTIR analysis and antibacterial activity of <i>Cardiospermum halicacabum</i>	6

6b.

Department	Date	Industrial Visit	No/. of Students and Class
Zoology	18.08.17	Visit to Bharathidasan University for Aquaculture research activities	II PG (15) students
	12.09.17 - 16.09.17	Educational tour to National Institute of Oceanography, Goa	II UG and II PG (32+32) students
	06.10.17	Visit to Salem District Cooperative Milk Producers Union Ltd., and Aquaculture farm, Mettur Dam, Salem	I and II PG (63) students
	11.01.18	Visit to sericulture unit, Udumalpet	I UG and Research scholars (52) students
	18.01.18	Visit to AMI Bioscience, Centre for Stem Cell and Cancer Genomics	II PG (32) and III UG (37) students
	19.01.18	Visit to Bavani Sagar Dam for aquaculture practices	I PG (31) students
	02.02.18	Visit to Vermicompost unit and organic farm, Sethumadai	I PG (31), II PG (32), UG (43) students
	20/12/2017	Botanical Survey of India	III B.Sc.-43 II PG -19 2 Faculty members
28.09.2017	Walayar- Plant collection	III UG -43 2 Faculty members	

Botany	12.11.2017 and 13.11.2017	Pichavaram and Pulicate lake, Chennai	II UG -32 2 Faculty members
	24/02/2018	Upper Bhavaani and Avalanchi	I B.Sc.-20 II B.Sc-25 III B.Sc-20 3 Faculty members
Chemistry	19.12.2017	1. Coimbatore Poiner Fertilizers Ltd, Muthugoundenpudur, Coimbatore 2.Arya plastics and Unifront textiles 3.Sipcot Industrial Estate, Erode, Perundurai	43 24 III B.Sc & 19 II M.Sc
	28.02.2018	4.Sugarcane breeding Institute, Coimbatore	49 32 I B.Sc & 17 II M.Sc

6c.

Zoology- Summer training - 24.11.17 - 30.11.17 - Hands on training in Biotechnology – Centre for Bioscience and Nanoscience Research Pvt Ltd., Coimbatore – III B. Sc. Zoology – 38 students

Botany- Summer training - Nil

Chemistry- Summer training - Nil

7. Training received by faculty from participating departments:

Department	Date	Training	No/. of faculty
Zoology	17.11.17 - 14.12.17	UGC sponsored Orientation programme HRDC, Bharathiar University, Coimbatore	2
	21.03.18 & 22.03.18	FDP programme on "Multimedia" organized by Department of Computer Science, Nirmala College for Women, Coimbatore-18.	4
	22.01.18 & 23.01.18	Hands on training on bioprospecting: Instrumentation methods and phytochemical analysis organized by IFGTB, Coimbatore	1
	24.03.18	Workshop on "Outcome based education" organized by IQAC, Nirmala College for Women, Coimbatore-18.	4
Botany	24/3/2018	Outcome Based Education	3
	22/3/2018 and 23/03/2018	Multimedia	1
Chemistry	17.11.17 to 14.12.17	UGC sponsored Orientation programme HRDC, Bharathiar University, Coimbatore	1
	10.12.17 to 14.12.17	Research Based Pedagogy Tools- Level-I Workshop DBT& MHRD sponsored IIT , Gandhinagar, Gujarat	2
	21.03.18 & 22.03.18	FDP programme on "Multimedia" organized by Department of Computer Science, Nirmala College for Women, Coimbatore-18.	2
	24.03.18	Workshop on "Outcome based education" organized by IQAC, Nirmala College for Women, Coimbatore-18.	2

8. List of exhibitions/ seminars/training courses conducted by the college

Department	Date	Exhibition, Seminars, Training	No. of Participants
Zoology	06/09/2017	Lecture workshop- Pests and their management	185
Botany	17/07/2017- 18/07/2017	Lecture workshop-Biodiversity and its Conservation Sponsored by Indian National Science Academy	250
	24/07/2017- 27/07/2018	Contemporary Innovative Techniques in Horticulture and Gardening Sponsored by TNSCST	30
	08/09/2017- 09/09/2017	International Conference- Biodiversity, Climate change and Environmental Sciences Sponsored by Autonomous Fund (UGC)	245
Bioinformatics	14/09/2017- 15/09/2017	National Workshop-The Exploration Modules In Omics Biology Sponsored by DBT	30
Chemistry	10.01.2018	Inter Collegiate Students Meet- Chemflair' 18	190
	18.02.2018	Seminar on "Principles and applications of Mass spectrometry, Polarography and Nano chemistry"	219

9. Name, designation, host institute of guest faculty invited

Department	Date	Name and Designation of Resource person	Topic
Zoology	20.07.17	Dr. Sundraraj, Assistant Professor, Department of Zoology, Bharathiar University, Coimbatore	“Worms and Human Welfare”
	29.08.17	Dr. T. Daniel Thangadurai, Head of M.Tech Nanoscience and Technology, Sri Ramakrishna Engineering College, Coimbatore	“Is Nanoscience technology the gateway to the future for human beings?”
	25.09.17	Dr. C.S. Shobana, Head, Department of Microbiology, PSG College of Arts and Science, Coimbatore.	“Environment and Microbes”
	19.07.17	Dr. Mahendiran Mysamy, Scientist, Wetland Ecology, SACON	“How birds perceive the world to walk in their shoes”
	21.08.17	Dr. R.Karpagam, OLI-NGO, Coimbatore	“Conservation of environment”
	04.10.17	Dr. K.Krishnaveni, Professor, Department of Zoology, Avinashilingam University, Coimbatore	“Conventional and non conventional energy sources”
Botany	24.07.2017 to 28.07.2017	Dr.Periyasamy Ramya Nursery Annaikatti TVS Nagar Coimbatore Mr. Kanagaraj Mr.Babu Consultancy TamilNadu Agriculture University Coimbatore Mr.V.Murugesh Nikil Nursery Landscaping Singanallur Coimbatore	Contemporary Innovative techniques in “Horticulture and gardening”

		A.Balasubramanian Associate Manager Envirocare India Private Limited Coimbatore Mr. Vincent NGO Tree Growers Association Coimbatore	
	01.09.2017	Mr. Sayed Samiullah, Head operations, Professional Info Tech, Coimbatore.	Medical coding
	08.09.2017 and 09.09.2017	Prof.Dr.P.D.Prasada Rao, FNA, FNASc INSA HON. Scientist, Environmental Health Division CSIR - National Environmental Engineering Research Institute, Nagpur, Maharashtra, INDIA Mr.Zamlha Tempa Gyaltzen Research Fellow, Tibet Policy Institute, Central Tibetan Administration Mrs.Dechen Palmo Research fellow, The Tibet Policy Institute, Central Tibetan Administration Dr. Joydeep Mukherjee Senior Scientist, Division of Agricultural Physics, ICAR-IARI, New Delhi V.B. Sreekumar Scientist B, Forest Ecology and Biodiversity Conservation Division, Kerala Forest Research Institute, Peechi Kerala, India Prof.Dr.P.Nazni Professor & Head, Former Member Syndicate Department of Clinical Nutrition & Dietetics, Periyar University, Salem, Tamil Nadu, India.	International Conference on Bio Diversity ,Climate Change Environmental Sciences
	26.09.2017	Dr.S.Giriya Associate Professor, Department of	Guest Lecture on Plant Genetic

		Biotechnology, Bharathiar University, Coimbatore	Engineering
Chemistry	23.08.17	Dr.J.Ravichandran, Associate Professor of Chemistry SRMV College of Arts and Science, Coimbatore	Electrochemistry
	16.08.17	Mrs. Bindhu, Assistant Professor of Chemistry Government Arts College Coimbatore 18	Partition Function
	04.12.17	Dr. A. Chandramohan, Associate Professor & HOD Chemistry, SRMV College, Coimbatore	Pericyclic reactions
	04.01.18 & 11.01.18	Dr.N.Chandrasekara Professor of Chemistry CBM College, Coimbatore	Quantum chemistry
	09.01.18	Dr.P.Lalitha, Associate Professor of Chemistry, Avinashilingam University for women, Coimbatore	Nano chemistry
	13.02.18	Dr.P.Lalitha, Associate Professor of Chemistry, Avinashilingam University for women, Coimbatore	Green chemistry
	21.02.18	Dr.R.Prabhakaran Assistant Professor of Chemistry Bharathiar university,Coimbatore.	Coordination Chemistry

10. Date of Advisory committee meeting: on 28/06/2017

11. List of New Practical's/ demonstrations introduced in different departments in last one year:

Department	Class	List of new practicals introduced
Zoology	I Year	1. Demonstration of silk reeling 2. Dissection of marketable Prawn
	II Year	1. Spectrophotometric estimation of Total hardness, iron , Calcium and magnesium in water and chloride in soil samples. 2. Estimation of electrical conductivity, total dissolved solids and pH in water samples.
	III Year	1. Isolation of Genomic and Plasmid DNA 2. Agarose Gel Electrophoresis 3. Separation of protein-SDS PAGE 4. Isolation and Estimation of DNA/RNA from animal tissues 5. Demonstration of Blotting techniques
Botany	I Year	Identification of Algae from the algal mixture
	II Year	Permanent slide Preparation
	III Year	Handling of Microtome
Chemistry	I Year	Estimation of P ^H and turbidity of water samples
	II Year	Colorimetric Estimation of Copper ion.
	III Year	Estimation of Na and K ions using flame photometry

12. Details of equipment purchased in each department from DBT grant.

(item no., cost, date of placed, purchase/installation)

Nil (Grants were received only in the end of March 2018)

13. Details of books & journals subscribed from DBT grant. - **Nil**

14. Qualitative improvements due to DBT support (please highlight (5 salient lines))

Zoology

1. Increased Laboratory resources and practical techniques on an individualized basis has attracted more number of students for PG programmes and subsequent research.
2. Sustained field visits/ Industrial visits/ Hands on training/ Workshops/ Guest lectures have kept the students well exposed to real time happenings and motivated them to progress further.
3. Number of students taking up National/ State level competitive exams have increased.
4. Provision of Recurring amount has helped the department to sustain all the activities in a dynamic manner.
5. Group projects have held the scientific temper of young minds. Opportunity to present and publish their papers at the UG level.
6. Extensive community and extensive activities from lab to land has been executed.

Botany

1. Laboratory infrastructure is strengthened hence students can avail the laboratory facility and can perform the individual practical experiment.
2. Students exposure to industries, research institute, field visit, educational trip, more guest lectures, training programmes, seminars helps to improve the scientific and technical skill of the students and this leads to placement.
3. Hands on training in instrumentation which improves the scientific temper of the students.
4. Enthusiastic involvement of students in practical and project works motivate the students to go for higher studies and research.
5. Bridging the gap between the schools and colleges leads to strengthening of life science courses.

Chemistry

1. Guest Lectures by eminent persons in specialized fields enabled the students to have a better understanding of the subject and to know the latest developments in the subject.
2. Inter collegiate competition could be held. Students from various colleges participated with enthusiasm. Competitions enabled the students to get interested in Chemistry and increase their knowledge.
3. Many of the group experiments could be conducted as individual experiments.
4. Industrial visits and field visits facilitated the students to have better exposure to the subject.
5. Department infra structure could be strengthened and students could take up the project work utilizing the available infrastructure.

15. Problems faced, if any, in implementation of the programme and utilization of DBT grant (in two-three lines)

Zoology

1. No problems have been faced in the implementation and utilization of DBT grants.
2. 50-60% of students in the PG programme are students who have already been under the Star Programme and have come to realize that they are deprived of these facilities.

Chemistry

Utilization of DBT grant could be extended for Post graduate course also.

Botany

Utilization of DBT grant could be extended for Post graduate course also.

16. Awards and Achievements

Department	Name	Award Received
Zoology	Santhiyahammal, Nishana Parvin. S, Nivetha. A, Tamilarasi. N	Paper Presentations by six students
	Aswathy PV	Cleared SET 2018
	Yasmin Banu R	Award for folk dance at the Indian dance festival 2018 at Mamallapuram
Botany	Dr.Miss.R.Mary Josephine	Best Scientist award International Multidisciplinary Research Foundation, Vijajawada.
	Dr.Miss.R.Mary Josephine	Life time Achievement Award Venus Internationl research Foundation
	Dr.M.Saradha	Best Women Faculty Award Nature Science Foundation, Coimbatore.
Chemistry	K. Veena, I B.Sc Chemistry	III prize (Rs. 5000) in Inter collegiate Tamil essay competition organized by Tamilnadu State Government
	E.Malathi, I B.Sc Chemistry	II prize (Rs. 300) in Inter collegiate Tamil speech competition organized by Kavidhasan Foundation
	Mrinalinishah, I B.Sc Chemistry	I Consolation in Debate competition organized by Bank of India
	PinkiMahur II B.Sc Chemistry	I prize in Debate competition organized by Bank of India
	Agnes Judith.A II B.Sc Chemistry	Group-I prize & Doubles- I prize in Tamilnadu state sports aerobics and fitness championship 2017-18 organized by Tamilnadu state sports aerobics and fitness Association
	K. Veena, I B.Sc Chemistry	Elam Bharathi Award -Tamil essay competition organized by Bharathiar university
	Mrs.K.Shanmugapriya, Research candidate of Dr.V.G. Vasudha	Ph.D Viva completed on 19.01.2018 Title – “Study on Corrosion Inhibition effect of few plant extracts on mild steel in acid media”

Name	Date	Name of seminar/ conference/	Paper presented	Organized by	Level
Deepthi Kurian	06.12.17	Nirmala Annual Research Congress	Phytoremediation of dye industrial effluent by water hyacinth (<i>Eichhornia crassipes</i>). ISBN No. 978-93-5279-759-2	Nirmala College for Women, Coimbatore	-
Santhiyahammal et al.	06.12.17	Nirmala Annual Research Congress	Sudy of the Ukkadam lake, Coimbatore, July to September: Physio-chemical and plankton analysis. ISBN No. 978-93-5279-759-2	Nirmala College for Women, Coimbatore	-
Anushka Dishani.U	06.12.17	Nirmala Annual Research Congress	Insecticidal activity of leaf extracts of <i>Oldenlandia corymbosa</i> L. against <i>Culex quinquefasciatus</i> (L.). ISBN No. 978-93-5279-759-2	Nirmala College for Women, Coimbatore	-
Jansi. A	23.08.17-25.08.17	Biotechnology and its Applications in Aquaculture and Fisheries	Growth-Disease resistance to dietary <i>Melia dubia</i> leaf in <i>Oreochromis mossambicus</i> against <i>Aeromonas hydrophila</i>	Annamalai University, Paragipettai, Chidambaram	International Conference
	09.10.17-11.10.17	Indian Science congress	Anticancer activity of ethanolic extract of <i>Catharanthus roseus</i> against colon cancer cell	Kongunadu Arts and Science College	National Conference
Vijayalakshmi. C	06.12.17	Nirmala Annual Research Congress	Biocidal activity of <i>Ocimum sanctum</i> Linn. and <i>Curcuma longa</i> powders against <i>Callosobruchus maculatus</i> Linn. in stored green gram <i>Vigna radiate</i> . ISBN No. 978-93-5279-759-2	Nirmala College for Women, Coimbatore	State level
Girija.J	09.10.17-11.10.17	Indian Science congress	Production of vermicompost from f lower waste by the earthworm, <i>Eisenia foetida</i>	Kongunadu Arts and Science College	National Conference

Nancy Bernath.A	09.10.17-11.10.17	Indian Science congress	Powdered egg shell and dried banana skin influences on the growth and reproduction of <i>Perionyx excavatus</i>	Kongunadu Arts and Science College	National Conference
Nishana Parvin. S, Nivetha. A, Tamilarasi. N	15.02.18	UGC sponsored	Bioefficacy of the medicinal plant <i>Vitex negundo</i> on the bean weevil <i>Acanthoscelides obtectus</i> say (Chrysomelidae: Coleoptera)	Jamal Mohamed College, Tiruchirapalli	National Seminar
Premalatha. Z	07.09.17-08.09.17	Recent trends in Life Science: Research, Practices and Application for Sustainable Development	Immunomodulatory effect of probiotics on growth and immune response of fresh water fish, <i>Channa striatus</i> .	Bharathiar University, Coimbatore	National Conference
Mahimai Ronsalin. A	06.12.17	Nirmala Annual Research Congress	Impact of different cooking methods on nutritional value of <i>Pampus argenteus</i> and <i>Lutjanus gibbus</i> . ISBN No. 978-93-5279-759-2	Nirmala College for Women, Coimbatore	-
Sandhiya.P	06.12.17	Nirmala Annual Research Congress	Effect of supplementation of <i>Moringa oleifera</i> and <i>Solanum verbasifolium</i> leaves as growth promoters of Tilapia fish (<i>Oreochromis mossambicus</i>). ISBN No. 978-93-5279-759-2	Nirmala College for Women, Coimbatore	-
	20.02.18	Biovision 2018	Effect of supplementation of <i>Moringa oleifera</i> , <i>Sesbaniagrandidiflora</i> and <i>Solanum verbascifolium</i> leaves as growth promoters of tilapia fish (<i>Oreochromis mossambicus</i>)	Mercy College for Women, Palakkad	National Level
Kirubamathi. C	06.12.17	Nirmala Annual Research Congress	Phytochemical profiling and ovicidal efficacy of leaf and flower extracts of <i>Lantana camara</i> against mosquito vector <i>Culex</i>	Nirmala College for Women, Coimbatore	-

			<i>quinquefasciatus</i> (Diptera: Culicidae). ISBN No. 978-93-5279-759-2		
Chrystal Bernadine Castelino	06.12.17	Nirmala Annual Research Congress	Toxicity of glyphosatemon hematological parameters in the fresh water fish <i>Oreochromis mossambicus</i> . ISBN No. 978-93-5279-759-2	Nirmala College for Women, Coimbatore	-
	20.02.18	Biovision 2018	Studies on nest construction and microclimate of <i>Oecophylla smaragdina</i>	Mercy College for Women, Palakkad	National Level
Shanthini. M	15.02.18	UGC sponsored	Effect of <i>Zizibus zizibus</i> leaf extract on Ovary of fresh water fish, <i>Oreochromis mossambicus</i>	Jamal Mohamed College, Tiruchirapalli	National Seminar
Deepika, G	06.12.17	Nirmala Annual Research Congress	Competency of vermicompost on the growth and biochemical parameters of <i>Cicer arietinum</i> L. in the textile effluent treated soils. ISBN No. 978-93-5279-759-2	Nirmala College for Women, Coimbatore	-
Anuskha Dishani.U	15.02.18	UGC sponsored	Ichthyofaunal diversity of selected wetlands of Coimbatore district, Tamilnadu, India	Jamal Mohamed College Tiruchirapalli	National Seminar
Renita Margaret Castelino	15.02.18	UGC sponsored	Screening of pathogenic organisms from commercially important marine fishes of beypore fishing harbor and landing centre, west coast of India	Jamal Mohamed College Tiruchirapalli	National Seminar
	20.02.18	Biovision 2018	Heavy metals and microbial profiles of selected fishes collected from Beypore harbor of Kozhikode District, Kerala, India: a risk assessment	Mercy College for Women, Palakkad	National Level
Suganya.S	15.02.18	UGC sponsored	A comparative study on the antibacterial activities of	Jamal Mohamed	National Seminar

			selected aqueous plant extracts against antibiotic resistant fish pathogens	College Tiruchirapalli	
Dhanalakshmi. E	15.02.18	UGC sponsored	Effect of probiotics on the intestinal microflora of <i>Catla catla</i> fish	Jamal Mohamed College Tiruchirapalli	National Seminar
Kiruthika. K	15.02.18	UGC sponsored	Phytochemical characterization of marine brown macroalgae <i>Sargassum wightii</i> (Greville)	Jamal Mohamed College Tiruchirapalli	National Seminar
Akila, R	20.02.18	Biovision 2018	Phytochemical and GC-MS analysis of <i>Chromolaena odorata</i> leaf	Mercy College for Women, Palakkad	National Level
Syed Faiza Zohra	20.02.18	Biovision 2018	Antifeedant and growth inhibitory activity of <i>Garcinia cambogia</i> leaf extract against <i>Helicoverpa armigera</i>	Mercy College for Women, Palakkad	National Level
Pouline. B	20.02.18	Biovision 2018	Effects of supplementation of spices on the proximate composition of <i>Channa striatus</i>	Mercy College for Women, Palakkad	National Level
Jasna. N.P	20.02.18	Biovision 2018	Potential of <i>Lantana camara</i> flower to repel <i>Culex quinquefasciatus</i> mosquitoes	Mercy College for Women, Palakkad	National Level