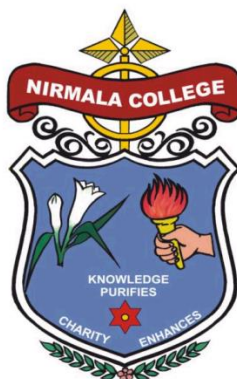


**PROGRESS REPORT BY COLLEGES
SUPPORTED UNDER THE STAR COLLEGE SCHEME**

(BT/HRD/11/019/2012)

(2019 – 2020)

**SUBMITTED TO
DEPARTMENT OF BIOTECHNOLOGY
GOVERNMENT OF INDIA**



NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)

Reaccredited with 'A' Grade by NAAC in the 3rd cycle with CGPA of 3.62

Awarded STAR status to the Departments of Botany, Chemistry and Zoology

Supported by DST FIST at Zero level

Redfields, Coimbatore – 641 018.

Tamilnadu

APRIL 2020



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 Nirmala 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. In the year 2016 the college was once again accredited in the III cycle of NAAC to ‘A’ Grade with a score of 3.62 on a 4 point scale. Having secured ‘A’ Grade in all three cycles and with a CGPA score above 3.5, NAAC has extended the accreditation period to seven years. In view of the above achievement, UGC has extended the Autonomous Review to a period of 10 years. The science departments are strengthened under the DBT Star college Scheme and DST – FIST at zero level.

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.

PROFORMA FOR THE SUBMISSION OF THE PROGRESS REPORT (2019-20)

1. **Name of the College** : Nirmala College for Women, Coimbatore
2. **Name of Departments supported** : Zoology, Botany and Chemistry
- Name of Coordinator** : Dr Pawlin Vasanthi Joseph
- Designation** : Associate Professor and Head
- Address** : Department of Zoology
Nirmala College for Women (Autonomous),
Red fields, Coimbatore
- Phone number.** : +91 9655513364

3. Number of regular faculty

Department	No. of regular faculty	With PhD	With M. Phil
Zoology	10	8	2
Botany	10	9	1
Chemistry	9	6	3

4. List of courses (B.Sc./M.Sc./ PG diploma, certificate etc) run by different participating Departments:

Department	Courses offered
Zoology	B.Sc., Zoology (Aided) M.Sc., Zoology (Self Financing) M. Phil in Zoology Ph. D in Zoology COP in Vermitechnology – (UGC Funded) Certificate course Diploma course Advanced Diploma course
Botany	B.Sc., Botany (Aided) M.Sc., Botany (Self Financing) M.Phil in Botany Ph.D in Botany M.Sc. Bioinformatics-UGC Sponsored Innovative Course Floriculture and Bonsai- UGC - COP Medicinal Botany- UGC - COP
Chemistry	B.Sc., Chemistry (Aided) M.Sc., Chemistry (Self- Financing) M.Phil and Ph.D. (Self- Financing)

5. Cut off % for admission in different courses in participating departments, positions in University, % result in 2019-20 academic sessions

Department	Total strength of students		Cut off Percentage for admission	Positions in University	% of results /Nov2019
Zoology	I-B.Sc	44	60% and Above	Autonomous	97%
	II-B.Sc	43			97%
	III-B.Sc	42			100%
Botany	I-B.Sc	36	60% and Above	Autonomous	96 %
	II-B.Sc	42			100 %
	III-B.Sc	38			100 %
Chemistry	I B.Sc	30	60% and Above	Autonomous	96.97
	II B.Sc	33			69.70
	III B.Sc	34			96.97

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	Assessment of Haemoglobin status in a small section of students in the College campus	8
	A preliminary study on Avifaunal species diversity of Nirmala College campus, Coimbatore, Tamil Nadu	8
	Physico- chemical characteristics of mud dauber wasp <i>Sceliphron caementarium</i> (Hymenoptera: Sphecidae) nest soil	9
	Effect of frozen storage period on proximate composition, organoleptic attributes and microbiological quality of commercial important fishes sold at Ukkadam retail fish market, Coimbatore	8
	Sensory and shelf life qualities of value added products from Indian major carp <i>Catla catla</i>	9
	Vermicomposting of food wastes by <i>Perionyx excavatus</i>	8
	Screening of microbial population from leaf liter, fruit waste and vegetable waste mediated vermicompost prepared from <i>Eudrilus eugeniae</i>	7
	Comparative analysis of tea wastes and leaf liter vermicompost using the earthworm <i>Eudrilus eugeniae</i>	9

	Effect of bioorganic manures on the exomorphological parameters chilly plant (<i>Capsicum annum</i> L.)	8
	Extraction and characterization of Humic acid from vermicompost	9
Botany	Preliminary phytochemical analysis of <i>Camellia sinensis</i> (L.) Kuntze	4
	Preliminary Phytochemical analysis of endangered medicinal plants <i>Annona muricata</i> L. and <i>Melastoma maabathricum</i> (L.)	5
	Survey of Weed Plants in Nirmala College for Women Campus, Coimbatore, Tamilnadu.	9
	Effect of air pollution on morphology and germination of pollen grain in selected plants.	10
	Preliminary Phytochemical analysis of <i>Piper beetle</i> L. (Piperaceae) and <i>Coleus amboinicus</i> Benth., <i>Plectranthus amboinicus</i> (Lour.) Spreng (Labiatae).	10
Chemistry	Synthesis of prospective biodegradable plastics from renewable resources	1
	Comparative study of photochemical screening and biological assay of leaf extract of <i>Costus igneus</i> and the synthesis of Nickel nanoparticles	1
	Synthesis of cellulose based Cuprammonium biodegradable fibers using Schweitzer's solution	1
	A comparative study on one pot synthesis of coumarin derivatives via Pechmann condensation	1
	Fruit juice of <i>Citrus limon</i> as biodegradable catalyst for facile, eco-friendly and green synthesis of pyrazole derivatives	1
	Antimicrobial activity of coconut oil against a group of human pathogens: A comparative evaluation	1
	Photocatalytic degradation of textile effluent by zirconium oxide	1
	Photocatalytic degradation of textile effluent by Zinc oxide	1
	Corrosion inhibitive properties of 2 hydroxy benzaldehyde semicarbazone on mild steel in acidic medium	1
	2,5oxadiazole derivative as effective corrosion inhibitor on mild steel in 1N HCl	1
	Biological activities of phytochemicals from peel of <i>Cucurbita maxima</i>	1

Study on phytochemical screening and <i>in vitro</i> anti microbial activity of natural plant extract	1
Antioxidant and antimicrobial properties of Theobroma cacao leaves.	1
Determination of antibacterial and anti fungal potential of <i>Senna auriculata</i> leaves extract.	1
Bioactivity of <i>Morinda citrifolia</i> leaves against human pathogens.	1
Evaluation of pharmacological activity of leaf extract of <i>Datura metal.Linn</i>	1
Evaluation of biological and cleansing activities of <i>Clitoria ternatea</i> flower	1
Synthesis, characterization and antimicrobial properties of transition metal complexes	1
Synthesis, characterization and antimicrobial properties of transition metal complexes of oxime and semicarbazone	1
Phytochemical screening and <i>in vitro</i> antimicrobial evaluation of <i>Boerhaavia diffusa</i> root	1
An effective study on quality standards in different milk brands	1
Evaluation of antimicrobial and antioxidant potential of <i>Achyranthes Asperae.Linn</i> in leaf and stem extracts	1
Synthesis and characterization of novel Schiff's bases derived from para-toulene sulphonic hydrazide with aromatic aldehydes	1
Pharamacological evaluation of ethanolic extract of <i>Tribulus terrestris</i> for antimicrobial and antioxidant activity	1
Significances and importance of phytochemicals present in <i>Tephrosia purpurea</i> on anti microbial and antioxidant activity	1
Preliminary phytochemical screening, <i>in vitro</i> antioxidant and antimicrobial assessment of <i>Mirabilis jalapa</i> against some pathogenic organisms.	1
Comparative study of the phytochemical potential on the anti microbial and antioxidant activity of <i>Alangium salvifolium</i> .	1
Preparation and screening of novel Schiff's base- Application and characterization of organic compound	1

	Preliminary phytochemical analysis and anti microbial activities of <i>Morus nigra</i> leaf extract in ethanol and ethyl acetate media	1
	Preliminary phytochemical analysis and anti microbial activity of <i>Lantana camera</i> flower extract in ethyl acetate and glacial acetic acid media	1
	Synthesis and characterization of Schiff's base derived from aldehyde	1
	Corrosion inhibition of Aluminium in acid medium using <i>Millingtonia hortensis</i>	1
	A Novel Schiff's base synthesis and characterization of heterocyclic organic compounds	1

6b. INDUSTRIAL VISITS/ EXPOSURE VISITS BY THE STUDENTS

Department	Date	Industrial Visit	No/. of Students and Class
Zoology	18/07/19	Sericulture unit, Mulberry gardens and Vermicompost unit – Udumalpet	I UG (44) students
	24/09/19	Apiary unit – Pollachi	I UG (44) & II UG (43) students
	28/08/2019 to 31/08/2019	Mangalore (Central Marine Fisheries Research Institute), Dakshin Dairy, Mangalore, Biodiversity trekking-Coorg	II UG (44) students
	10/2/2020	Manu Hospital – Departments of Pathology, Biochemistry and Radiology, Coimbatore	III UG (42) students
	12/10/2019	Parambikulam Tiger Reserve	56 Students (Non Science Major)
Botany	20.8.2019 to 23.8.2019	Educational trip to Mangalore & Coorg	58 students
	27.07.2019	Botanical Survey of India, TNAU	70 students
	07.09.2019	Plant collection trip to Walayar	70 students
	18.12.2019	Visit to Ramya Nursery, Thadagam, Coimbatore	67 students
	19.12.2019	Field trip to SACON, Anaikatty.	71 students
	21.01.2020	Cotton Research Institute, Coimbatore	40 students

Chemistry	17.08.19	KPM Processing Mills Private Limited, Arulpuram, Tirupur.	34 III B.Sc Chemistry 31 II B.Sc Chemistry
	17.08.19	Sulochanaa Textile Process Iduvampalayam, Tirupur	34 III B.Sc Chemistry 31 II B.Sc Chemistry
	22.08.19	Wonder lab (Science Lab) Water Treatment Plant Wonderla Holidays Limited, Pallikkara, Kochi	30 III B.Sc Chemistry 22 II M.Sc Chemistry
		Exposure Visit	
	22.08.19 to 24.08.19	Wonderla, Kochi, Allepey	31 III B.Sc Chemistry 22 II M.Sc Chemistry
		Field Visit	
	30.08.19	MSME's National Science and Technology Fair 2019 Codissia Trade Fair Complex, Coimbatore	30 I B.Sc Chemistry (22 I M.Sc Chemistry)
		Institute Visit	
	07.02.20	Nanotech Research Innovation and Incubation Centre PSG – STEP PSG College of Technology	33 II B.Sc Chemistry 21 I M.Sc Chemistry

6c. Summer Training

Department	Date	Summer training	Number of students
Zoology	20/09/19 to 21/09/19	Hands on training in Environmental Biology and Bioremediation, Centre for Biotechnology and Nanoscience Research, Coimbatore	II- B. Sc (43 students)
	23/09/19	Hands on training in Microbial Techniques, Centre for Biotechnology and Nanoscience Research, Coimbatore	III-B. Sc (42 students)
	16/12/19 to 18/12/19	Hands on training in Molecular Biology and Biotechniques, Centre for Biotechnology and Nanoscience Research, Coimbatore	III-B. Sc (42 students)

	05/07/19	Professional InfoTech for Medical coding and billing	Interdisciplinary – 44 students
	09.09.2019	Hands on training in Electrophoretic techniques	III B.Sc (42 students)
Botany	10.05.2019 to 10.06.2019	Laboratory of Environmental Microbiology and Ecology, National Institute of Technology (NIT), Kourkela, Orissa. (Summer Research Fellowship – Sponsored by INSA)	1
	01.01.2020 to 29.02.2020	KSCTC – Jawaharlal Nehru Tropical Botanical garden & Research Institute (JNTBGRI) Green Skill Development Program -Plant tissue culture Techniques and its applications. ENVIS center at Kerala State Council State science, Technology and Environment- Trivandrum (With financial assistance from Ministry of Environment, forest and climate change, Govt. of India)	1
Chemistry	1.05.19 to 12.06.19	Chemistry Research Drive Program (CRD-2019)	1
	27.11.19 to 30.11.19	Analytical and Phytochemical Techniques	1

7. Training received by faculty from participating Departments:

Department	Date	Training	No/. of faculty
Zoology	25/07/19 to 26/07/19	Genome editing- CRISPER and Bioinformatics tools, Makeintern.com-wet lab championship & Shaastra (IIT Madras Event)	2
	06/09/19 to 07/09/19	Application of Bioinformatics Tools in Biological Sciences, Accent Techno Soft, Coimbatore	3

Zoology	18/09/19 to 19/09/19	Drug Designing and molecular docking, Accent Techno Soft, Coimbatore	2
	20/09/19 to 21/09/19	Environmental Biology and Bioremediation at Centre for Bioscience and Nanoscience Research	1
	23/09/19	Microbial Techniques at Centre for Bioscience and Nanoscience Research	1
	16/12/19 to 18/12/19	Molecular Biology and Biotechniques at Centre for Bioscience and Nanoscience Research	1
	12.02.2020	Training and Project Awareness Programme – MANAV	5
	22.02.2020	Workshop on Revised guidelines for the Accreditation process of NAAC, Internal Quality Assurance Cell, Nirmala College for Women, Red Fields, Coimbatore – 18	9
	19.03.2020	Workshop on “Innovative eco-systems, Incubation Centres and Start-ups in Higher Education Institutions”.	8
Botany	25.04.2019 to 21.6.2019	Summer Research Fellowship for Teachers Sponsored by Science academies	1
	Sanctioned May- June,2020	Summer Research Fellowship Programme organized by Indian Academy of Science, Bangalore, India	1
	12.09.2019 to 25.09.2019	Refresher Course on Botany Programme organized by UGC –HRDC, Bharathiar University ,Coimbatore	1
	10.10.2019 to 23.10.2019	Refresher Course on Botany Programme organized by UGC –HRDC, University of Madras ,Chennai.	2
	19.03.2020	Workshop on “Innovative eco-systems, Incubation Centres and Start-ups in Higher Education Institutions”.	9
Chemistry	13.05.2019 to 26.05.2019	Refresher Course on Research Methodology	1
	Oct. 2018 to March 2019 (29.05.19)	Online Refresher Course in Chemistry for Higher Education Faculty	1

08.06.2019	Sensitization Program on Fourier Transform Infrared Spectroscopy (FTIR) and Electrochemical Studies	2
15.06.2019	Google docs, QR code generating, online book publishing and Kahoot	8
20.07.2019	Student Project Exhibition cum Seminar	1
14.08.2019	Workshop on Computational Chemistry	2
19.08.2019	Emerging Technologies that Transform Life Sciences	1
01.09.2019 to 31.12.2019	Online Refresher Course in Chemistry for Higher Education Faculty (2019)	3
16.09.2019	Drug Designing and Molecular Docking	1
26.09.2019	Emerging Trends – Shaping the Future of Indian Business	1
27.09.2019	Technical Symposium on Identification and Control of CBRN in Workplace and Hands on Training on Fire and Safety	2
29.09.2019	Stereochemistry	1
30.10.2019	Faculty Development Programme on Innovative Teaching Strategies	9
02.11.2019	Rain water Harvesting and Water Management in Developing Cities	2
27.11.2019	Nirmala Annual Research Congress – NARC'19	9
04.12.2019 to 10.12.2019	MOOCs, E Content Development and Open Educational Resources	1
13.12.2019	Renewable Energy and Sustainable Environment	1
09.01.2020 to 10.01.2020	Quality Sustenance and Enhancement: Prospects for Attaining Global Standards	3
11.01.2020	Exploration of Research Innovations: Its Trends and Challenges	4
22.01.2020	Contemporary Innovative Developments in Applied Biology	4
30.01.2020	Advances in Green Chemistry and its Applications – AGCA 2k20	1
07.02.2020	Analytical Techniques in Nanotechnology	2
12.02.2020	Training and Project Awareness Programme – MANAV	1

	22.02.2020	Workshop on Revised guidelines for the Accreditation process of NAAC, Internal Quality Assurance Cell, Nirmala College for Women, Red Fields, Coimbatore – 18	2
	19.03.2020	Workshop on “Innovative eco-systems, Incubation Centres and Start-ups in Higher Education Institutions”.	7
	29.02.2020	National Seminar Cum Medicinal Plant Exhibition on Indian Traditional Medicinal Systems	1

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

Department	Date	Seminar / workshop topic	Level	Resource persons	No. of participants
Zoology	19/08/19	Emerging Technologies That Transform Life Sciences- A <i>Video Conferencing Chapter</i>	International	<p>Dr. Connie Gibas, Clinical Research Project Manager, Department of Pathology, University of Texas Health San Antonio, Texas, USA.</p> <p>Dr. Caroline Regina Delma Xavier Paul Ezhilan Post-doctoral Fellow, Department of Pathology, University of Texas Health San Antonio, Texas, USA</p> <p>Dr. Kumaravel Kaliaperumal, Post-doctoral Research Fellow, Department of National Navel Orange Engineering Research</p>	186

				Centre School of Life Sciences Gannan University, Ganzhou, China. Dr. Sunil Kumar Sahu, Research Scientist, Institute of New Agricultural Resources, China National Gene Bank BGI Research, Shenzhen, China	
10/02/2020	Microbial Technology and Phytochemistry	National Seminar	Dr.Sangilimuthu, Associate Professor, Department of Biotechnolgy, Karpagam Academy of Higher Education, Coimbatore. Dr. Rajiv Periakaruppan, Assistant Professor, Department of Biotechnolgy, Karpagam Academy of Higher Education, Coimbatore.	200	
25/07/19 to 26/07/19	Genome editing-CRISPER and Bioinformatics tools, Makeintern.com -wet lab championship & Shaastra (IIT Madras Event)	Hands on training	Mr.Balaji Ramachandran Makeintern.com -wet lab championship & Shaastra (IIT Madras Event)	Inter disciplinary – 62	

	06/09/19 to 07/09/19	Application of Bioinformatic Tools in Biological Sciences	Hands on training	Mr.Vijay & Mr.Santhosh Accent Techno soft, Coimbatore	Interdisciplin ary – 85
	16/09/19	Drug Designing and molecular docking	Hands on training	Mr.Vijay & Mr.Santhosh Accent Techno soft, Coimbatore	Interdisciplin ary – 85
Botany	18.07. 2019	Hands On Training -Bonsai Techniques	National	Mr. M. Set Ramarao, Kim Bonsai, Pioneer Agro group, Pappanaickenpalayam , Coimbatore	69
	29.08.2019	Workshop -Plant Taxonomy - Identification and Key preparation	National	Dr. V. S. Ramachandran, Professor (Rtd.) Department of Botany, Bharathiar University, Coimbatore.	75
	06.09.2019 & 07.09.2019	Workshop - Enhancing Skills in Plant Systematics	National	Dr. R. Ramasubbu, Assistant Professor, Department of Biology, Gandhigram Rural Institute, Dindigul	72
	27.09.2019	International Video Conference on Current Scenario in Plant Sciences	International	1.Dr. Prof. Jennifer Ann Harikrishna Director, Centre for Research in Biotechnology for Agriculture, University of Malaya Genetics and Molecular Biology, Institute of Biological Sciences, University of Malaya Honorary Visiting	125

				<p>Fellow, Department of Genetics and Biology University of Leicester, UK.</p> <p>2. Dr. E. MENASON ISAC, Head of the Department Research and Development, Microforestry Ghana limited, Agogo, The Republic of Ghana.</p> <p>3. Dr. N. SISUBALAN, Post Doctoral Researcher, Key Laboratory of Molecular Epigenetics, North East Normal University, Changchun, China.</p> <p>4. Dr. SARAVANAN SHANMUGAM, Visiting Professor and Post Doctoral Researcher, Department of Pharmacy, Federal University of Sergipe, Sao Cristovao, Sergipe, Brazil.</p>	
	29.02.2020			National seminar cum medicinal plant exhibition on Indian Traditional medicinal systems.	275

				<p>Dr. T. Sivakumar, IIS, Assistant director, Field outreach Bureau office, Government of India, Puducherry</p> <p>Dr.S. Arul Ananda Kumar (PT), Arul Health care, Chennai,</p> <p>Mr.George, Foot reflexologist, Chennai.</p> <p>Mr. Sukumaran, Varma Doctor, Dindigul.</p>	
	13.01.2020	Farmer's Parents Meet 2020	National Seminar	<p>Mrs.Shanti Priya, Panjayat President, Nayakanpalayam.</p> <p>Mr.M.Amal Martin Sigh, Managing Director, Griffin Crop Science,</p> <p>Mr.P.Vincent, Tree growers Association</p> <p>Mr.Neelakandan, Head officer, state agricultural office,</p> <p>Dr.J.Renuga Devi Professor, Seed Science and Technology, TNAU</p>	50

Chemistry	19.09.19	History and Chemistry of Periodic Table	National	Sr. Soona Principal Nirmala Matha Convent ICSE School Malampuzha Maria Nagar – 678 651	141
	20.08.19	National Seminar in Commemoration of International Year of Periodic Table – IYPT 2019	National Seminar	Dr. Srinivasan Latha AMRSC Assistant Manager Academic Staff College VIT, Vellore Dr. Rabin Rajan J Methikkalam Assistant Professor Department of Chemistry Mar Ivanios College Thiruvananthapuram Mr. Varun Prakash.B Senior Consultant Capgemini Technology Services India Bengaluru Mr. Avudaiappan. G Senior Research Fellow in Applied Chemistry CUSAT, Ernakulam	323

	10.02.2020	International Seminar on Contemporary Horizons in Chemical Sciences (CHCS 2020)	International Seminar	<p>Dr.Poornima Paramasivan MRSB FHEA Post Doctoral Research Fellow School of Science Engineering and Technpology University of Abertay Dundee United Kingdom, DD1 1HG</p> <p>Dr.S.V.Ganesan Assistant Professor Department of Chemistry Saraswathi Narayanan College Perungudi Madurai</p> <p>Dr.K.Mangayarkarasi Head, Aptitude Training RVS Educational Trust Sulur, Coimbatore</p> <p>Dr.V.Mohanraj Assistant Professor Department of Chemistry Manonmaniam Sundaranar, University Constituent College Kanyakumari</p>	246
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	18.12.19	International Symposium on Sustainable Innovations and Empowerment in Chemistry (Video Conference)	International Symposium	<p>Mr.K.Sabapathi Senior Specialist Kuwait National Petroleum Company, Kuwait</p> <p>Dr.P.Mosae Selvakumar Assistant Professor in Chemistry Asian University for Women Chittagong, Bangladesh</p> <p>Dr. Kavitha Thangavelu Post Doctoral Fellow Department of Chemical Engineering Khalifa University Abu Dhabi, UAE</p>	77
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DBT – CTEP POPULAR LECTURE SERIES

DATE	RESOURCE PERSON	Lecture	FUNDED BY	NO OF BENEFICIARIES
27.02.2020	Dr.Balasubramaniam Nagaraj, Professor, IISER, Pune	Understanding adhesion dependent regulation of trafficking and its role in cellular function in normal and disease conditions	DBT – CTEP scheme	College students, School children and Public (988 beneficiaries)

	Dr.J.Angayarkanni, Professor, Bharathiar University, Coimbatore	Formulating a combinatorial drug targeting cancer cell microbial metabolites inhibiting various targets		
	Dr. Dipankar Nandi, Professor, IISC, Bangalore	T cell co- stimulation, Anti tumor response and the 2018 Nobel Prize		

Training Programme

Date	Training	Level	Resource persons	No of participants
12.02.2020	Training and Project Awareness-MANAV Funded under the DBT, Government of India	Regional	Dr. Anupma Wadavlikar, Team MANAV, IISER, Pune	180 students

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

Department	Date	Name and Designation of Resource person	Topic	No of participants
	10/07/2019	Dr. Ramesh, Professor, Department of Zoology, Bharathiar University, Coimbatore-46.	Pharmaceuticals and personal care products in the aquatic environment	180 students
	12/07/2019	Ms. Heena Acharya and Mr.Aravinthan, Humane Animal Society, Coimbatore.	Animal welfare, environment and sustainable living.	180 students
	17/07/2019	Dr. Nithya Devi, Associate Professor, Department of Biochemistry, Kongunadu Arts and Science College, Coimbatore-29	Stem cell concepts in regenerative medicine	180 students

Zoology	23/07/2019	Dr. R. Jeyaraj, Associate Professor (Retd.), Department of Zoology, Kongunadu Arts and Science College, Coimbatore-29	Bioremediation	180 students
	02/08/2019	Dr.B.Vaseeharan, Professor and Head, Department of Animal health and Management, Alagappa University, Karaikudi	Modern investigations on immune related genes in Malacostraca	180 students
	29/08/19	Mr.Predit M.A, Chairman, Heaven on Earth Charitable Trust (NGO)	Population status and current distribution of Nilgri Tahr in Western Ghats, India	180 students
	04/09/2019	Dr. Caroline Regina Delma Xavier Paul Ezhilan, Post-doctoral Fellow, Department of Pathology, University of Texas Health, San Antonio, Texas, USA	Basics of cancer and its therapeutic measures	180 students
	19/09/19	Dr. Mahendiran Mayilswamy, Senior Scientist, SACON, Anaikatty	How birds perceive the world- Avian Senses	180 students
	23/09/2019	Dr.Bharathi, CMO and Dr.Muthukumar, Founder of AL ARYOGA Spine and Bone care center, Coimbatore	Personal hygiene and reproductive health	180 students
	20/12/2019	Dr.Manivanan, Assistant Professor, Department of Zoology, Kongunadu College of Arts and Science Coimbatore	Impact of climatic changes on biodiversity	180 students

	22/01/2020	Mr. R. Mohammed Saleem, National Geographic Educator and President Environment conservation group, Coimbatore	Conservation of wildlife	180 students
	12/02/2020	Dr.Sangilimuthu, Associate Professor and Head, Department of Biotechnology, Karpagam Academy of Higher Education Dr.Rajiv Periakaruppan, Assistant Professor, Department of Biotechnology, Karpagam Academy of Higher Education	Microbial techniques and Phytochemistry	180 students
	19/02/2020	Dr. Levin Anbu Michele Gomez, Assistant Professor, Department of Biotechnology, Karunya Institute of Technology and Sciences, Coimbatore	Ethics in Animal Studies	180 students
Botany	23.7.2019	Dr. Ravinder Singh, Assistant Professor and Head Department of Botany Vivekananda College of Arts and Science, Tiruchengode.	<i>In vitro</i> conservation of medicinal plants for human welfare	76 students
	19.7.2019	Mr. Syed Samiullah, Executive Officer Professional Info Tech, Coimbatore	Medical Coding	86 students
	21.8.2019	Mr. A. Sheikdeen, External Faculty, Southern Region Petroleum Conservation Research Association, Ministry of Petroleum and Natural Gas, Government of India.	Awareness Programme on Conservation of LPG and Petroleum	43 students

	27.08.2019	Dr. V. Hemamalini, Assistant Professor in Bioinformatics Bharathiar University, Coimbatore – 46	Gene Prediction Methods	76 students
	28.08.2019	Dr. G. Rajalakshmi, Associate Professor in Biotechnology. Hindustan College of Arts and Science, Coimbatore	Molecular Markers	70 students
	25.09.2019	Dr. Anitha, Post Doctoral Fellow, Department of Biochemistry. Dr. Anitha, Post Doctoral Fellow, Department of Biochemistry, Bharathiar University, Coimbatore – 46.	Nano Medicine as Cancer Therapeutics	76 students
	11.10.2019	Dr. Leena Lavanya, Assistant Professor in Botany, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.	Advanced Techniques on Molecular Plant Breeding	76 students
	6.12.2019	Mr. M. Amal Martin Singh Managing Director & Editor, Velaan Murasu, Monthly Magazine Crop Science Pvt. Coimbatore	Agriculture	79 students
	18.02.2020	Miss. Heena Acharya Humane Education officer Humane animal society, Coimbatore.	Environment and animal care management.	43 students
	04.03.2020	Dr. R. T. Narendhirakannan Assistant Professor, Department of Biochemistry, Kongunadu Arts and Science College, Coimbatore	Medicinal plants and its Therapeutics	110 students

Chemistry	04.07.19	Mary Sri Archana.A.P St. Joseph's College Trichy – 620 002	Preparation Strategy for Competitive Exams in Chemistry	94
	04.07.19	Dr.N.Chandrasekara Former Associate Professor Department of Chemistry CBM College, Coimbatore	Science in Everyday Life	140
	08.07.19	Dr.K. Gurusamy Assistant Professor Department of Biochemistry Horticultural College and Research Institute, Tamilnadu Agricultural University, Trichy	Energy Conservation	140
	17.07.19	Dr.S.Ponnuswamy Associate Professor & Head Department of Chemistry Government Arts College Coimbatore – 641 018	NMR Spectroscopy – Concepts and Theory	48
	18.07.19	Dr.N.Chandrasekara Former Associate Professor Department of Chemistry CBM College Coimbatore – 641 042	Basic Concepts of Electrochemistry	33
	19.07.19	Dr.V.G.Vasudha Former Associate Professor & Head Department of Chemistry Nirmala College for Women Coimbatore – 641 018	Introduction to Group Theory	53
	29.07.19	Dr.V.Mohanraj Assistant Professor Department of Chemistry Manomaniam Sundranar University Constituent College Kanyakumar – 624 901	Stereochemistry of Organic Chemistry	27
	29.07.19	Dr.V.G.Vasudha Former Associate Professor & Head Department of Chemistry Nirmala College for Women Coimbatore – 641 018	Solid State Chemistry	32

30.07.19	Dr.C.Rengaswamy Former Associate Professor Department of Chemistry CBM College Coimbatore – 641 042	Basic Concepts of Liquid Crystals	33
31.07.19	Dr.V.Mohanraj Assistant Professor Department of Chemistry Manomaniam Sundranar University Constituent College, Kanyakumari	Carbohydrate structure and its Function	63
06.09.19	Dr.D.Karthik Kumar Assistant Professor Department of Chemistry PSG CAS, Coimbatore	Chemistry of Steroids	22
03.10.19	Dr.S.P.Rajendran Adjunct Professor Department of Chemistry Karpagam Academy of Higher Education Karpagam University Coimbatore – 21	Dimensions in Spectroscopy	54
11.10.19	Dr. K.Mangayarkarasi Head – Aptitude Trainer RVS College of Arts and Science, Sulur, Coimbatore	Aptitude Training for Chemistry Aspirants	73
19.12.19	Dr.A.Murugesh Assistant Professor Department of Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Periyanaickenpalayam Coimbatore – 641 020	Integrated Spectroscopic Solution for Structural Determination of Organic Compounds	22
06.02.20	Dr. R. Balamurugan, Assistant Professor (Senior Grade), Department of Physics, Kumaraguru College of Technology, Coimbatore 641020.	Renewable Energy for Environmental Protection and Sustainable Development	140
11.02.20	Dr.G.Geethamalika Former IQAC Co-ordinator & Head Department of Chemistry Nirmala College for Women Coimbatore.	Success in Life	140

CELEBRATION OF IMPORTANT DAYS ORGANIZED

Department	Date	Topic	Resource Person (designation with complete official address)	No. of Students
Zoology	18.09.2018 & 19.09.2018	Wild life week celebration Inter collegiate competitions on Life Below Water: Importance and Threats	Dr. Mahendiran Mayilsamy, Senior Scientist, Division of Wetland Ecology, Salim Ali Centre for Ornithology and Natural History, Anaikatti, Coimbatore-08	250 students from Coimbatore district
Botany	25.06.2019	Environmental day celebration on Endangered and Endemic tree seed species are distributed to all the Departments of our College	-	36
Chemistry	16.09.2019	World Ozone Day Poster Competition Conducted on the Topic “ Every Ozone Hole – A Threat to our Soul	Dr.B.Dhanalakshmi Assistant Professor Department of Zoology Nirmala College for Women Coimbatore – 641 018 Dr.Sudha Sharma Assistant Professor Department of Hindi Nirmala College for Women Coimbatore – 641 018	24

STUDENT PARTICIPATION IN TRAINING PROGRAM

Department	Date	Topic	Seminar/ Conference/ Workshop/ training	National/ Inter national	Organized by	No. of Students Attended
Zoology	20.09.2019 to 21.09.2019	Environmental Biology and Bioremediation	Hands on training	Regional	Centre for Biotechnology and Nanoscience Research, Coimbatore	II- B. Sc (43 students)
	23.09.2019	Microbial Techniques	Hands on training	Regional	Centre for Biotechnology and Nanoscience Research, Coimbatore	III-B. Sc (42 students)
	16.12.2019 to 18.12.2019	Molecular Biology and Biotechniques	Hands on training	Regional	Centre for Biotechnology and Nanoscience Research, Coimbatore	III-B. Sc (42 students)
	29.07.2019	Crisper editing and PCR Techniques	Hands on training	Regional	PG & Research Department of Zoology, Nirmala college for Women, Coimbatore.	45
	16.09.2019	Drug designing and Molecular docking	Workshop	Regional	PG & Research Department of Zoology, Nirmala college for Women and Accent Techno Soft, Coimbatore.	44

Botany	29.07.2019	Crisper - New PCR Techniques	Hands on training	Regional	PG & Research Department of Zoology, Nirmala college for Women, Coimbatore.	23
	16.09.2019	Drug designing and Molecular docking	Workshop	Regional	PG & Research Department of Zoology, Nirmala college for Women and Accent Techno Soft, Coimbatore.	3
	12.10.2019	Basic Techniques in Plant Tissue Culture and Bioinstrumentation	Workshop	National	PG & Research Department of Biotechnology, Hindusthan College of Arts and Science, Coimbatore.	43
	19.09.2019 to 20.09.2019	Bioprospecting, instrumentation methods and phytochemical analysis	Hands on training	National	Indian Forest Genetics Tree Breeding Institute, Coimbatore	2
	17.10.2019 to 19.10.2019	Frontiers in ecological science and its application (FESA, 2019)	Conference	National	School of Life Sciences, Periyar University, Salem	1
	9.12.2019 to 13.12.2019	Taxonomy of Angiosperms: Field to Laboratory	Hands on Training	National	PSGR Krishnammal College for Women, Department of Botany, Coimbatore.	6

	20.02.2020	Identification of Lichens in India.	Workshop	National	PSG College of Arts & Science, Department of Botany, Coimbatore.	16
Chemistry	03.05.19	Emerging Trends in Science and Social Science	Video Conference	International	VHN Senthilkumara Nadar College, Virudhunagar India and Institute for integrated Regenerative Medicine Kuala Lumpur, Malaysia	1
	08.06.19	Sensitization Program on Fourier Transform Infrared Spectroscopy and Electrochemical Studies	Seminar	Regional	Nanotech Research, Innovation and Incubation centre, PSG Institute of Advanced Studies Peelamedu Coimbatore	1
	11.07.19 & 12.07.19	Advanced Materials for Energy, Environment and Medicinal Applications.	Seminar	National	Department of Chemistry, NGM College, Pollachi	16
	25.07.19 & 26.07.19	Frontier Areas in Chemical Technologies, FACT-2019	Conference	International	Department of Chemistry, Alagappa University, Sponsored under RUSA Phase 2 Scheme.	1

	16.09.19	Drug Designing and Molecular Docking	Workshop	State	Department of Zoology, Nirmala College for Women, Coimbatore	4
	16.09.19 & 17.09.19	New Perspectives In Chemical Sciences	Seminar	National	Department of Chemistry, PSGR Krishnammal College for Women, Coimbatore	2
	19.09.19 to 21.09.19	Impact of Innovations in Science and Technology for Societal Development	Conference	International	Kongunadu College of Arts and Science, Coimbatore	19
	27.11.19	Nirmala Annual Research Congress – NARC '19	Seminar	Regional	IQAC, Nirmala College for Women	61
	20.12.19	Recent Trends in Smart and Functional Materials for Batteries.	Seminar	National	Department of Physics and Chemistry, SNMV College of Arts and Science Institute of Management	16
	11.01.20	Exploration of Research Innovations: Its Trends and Challenges	ICSSR Sponsored Seminar	National	Department of Library, Nirmala College for Women	27
	22.01.20	Contemporary Innovative Developments in Applied Biology-CDAB 2020	e-Conference	International	Dept of Botany and Bioinformatics Nirmala College for Women, Coimbatore	31

	30.01.20	Advances in Green Chemistry and Its Applications AGCA-2K20	Conference	National	Department of Chemistry, Sri Ramakrishna College of Arts and Science	13
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MENTORS MEETING

Department	Date	Activity	Resource Person	Funded under
Zoology	30/01/2020	Mentor Meeting	Prof K. S. Santhy, Professor Department of Zoology Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore - 43	DBT Star College Scheme
Botany	22.10.2016	Mentor meeting	Dr. Krishnaveni , Associate Professor and Head, Department of Botany, PSGR Krishnammal College for Women, Coimbatore.	DBT Star College Scheme
	19.03.2020	Mentor meeting	Dr. Vinay Kumar , Associate Professor in Biotechnology, Coordinator, DBT Star College and DST - FIST Schemes Modern College, Ganeshkhind, Pune, India.	DBT Star College Scheme
Chemistry	20.07.19	Mentor and Monitoring Meeting	Dr.S.Manonmani Associate Professor & Head Department of Chemistry PSG College of Arts and Science, Coimbatore	DBT Star College Scheme
	06.01.20	Mentor and Monitoring Review Meeting	Dr.S.Manonmani Associate Professor & Head Department of Chemistry PSG College of Arts and Science, Coimbatore	DBT Star College Scheme

10. Date of Advisory committee meeting : Nil

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

Department	Class	List of new practical introduced
Zoology	I-B.Sc	Sericulture Practicals 1. Estimation of Shell Ratio 2. Estimation of Denier 3. Estimation of Renditta
	II-B.Sc	1. Most probable number (for identification of Microbes in quality testing of water) 2. Detection of Coliphage from water / sewage
	III-B.Sc	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	1. Individual Experiment - Water quality test using water sample collected from various ponds in and around Coimbatore 2. District Demonstration on Algal culture.
	II Year	1. Microtome sectioning and preparation of permanent slide. 2. Isolation of DNA
	III Year	1. Demonstration of HPLC, Blotting techniques, PCR and RT PCR. 2. Anatomy – Permanent slide preparation 3. Demonstration on milky and Oyster mushroom production.
Chemistry	I B.Sc	Estimation of Hardness and Total Dissolved Solids (TDS) of Water Samples
	II B.Sc	Estimation of Citric Acid Content in Natural Fruit Juices
	III B.Sc	Estimation of Metal Ion using EDTA by Complexometric Method

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

12a. Non Recurring Expenditure (2019-20) - Nil

12b. Recurring Expenditure

Department	Date	Recurring grant	Amount (Rs.)
Zoology	10/07/2019	Guest Lecture- Pharmaceuticals and personal care products in the aquatic environment	2569.00
	12/07/2019	Guest Lecture- Animal welfare, environment and sustainable living	2536.00
	16/07/2019	Books, Allied Pvt. Ltd	3804.00
	17/07/2019	Guest Lecture- Stem cell concepts in regenerative medicine	2471.00
	18/07/2019	Field trip- Sericulture unit, Udumalpet	24300.00
	18/07/2019	Earthworm	1000.00
	23/07/2019	Guest Lecture- Bioremediation	2225.00
	25/07/2019 to 29/07/2019	Workshop on CRISPER	23750.00
	24/07/2019	Pen drive	1151.00
	25/07/2019	Apiculture – consultant fee	500.00
	27/07/2019	Precision chemicals	17640.00
	31/07/2019	Outreach programme	2400.00
	02/08/2019	Guest Lecture- Modern investigations on immune related genes in Malacostraca	2000.00
	08/08/2019	Outreach programme	3200.00
	08/08/2019	Library books (27 nos)	10933.00
	19/08/2019	International symposium	16280.00
	27/08/2019	Outreach programme	2458.00
	29/08/2019	Guest Lecture- Population status and current distribution of Nilgri Tahr in Western Ghats, India	2384.00
	06/09/2019	Workshop on Bioinformatics	14700.00
	16/09/2019	Workshop- Drug designing	10301.00
18/09/2019 to 19/09/2019	Wild life week celebration	23342.00	

	20/09/2019 to 21/09/2019	Training programme at CBNR (II UG)	12600.00
	23/09/2019	Training programme (I UG)	6600.00
	24/09/2019	Field trip- Apiculture	11900.00
	26/09/2019	Training programme at Karunya University	10000.00
	11/10/2019	Ecotrip to Parambikulam	22000.00
	15/10/2019	Aquaculture Unit	6000.00
	17/10/2019	Books- TBH Publishers	3383.00
	18/10/2019	Lab manual	1420.00
	14/11/2019	Chemicals – modern scientific	16040.00
	18/12/2019	Hands on training at CBNR	6000.00
	22/01/2020	Guest lecture – Conservation of wildlife	2242.00
	GRAND TOTAL		268129.00
Botany	18/07/2019	Workshop	3000.00
	23/07/2019	Guest lecture	2000.00
	29/07/2019	Hands on training programme –Crisper- New PCR	23750.00
	28/08/2019	Guest lecture	2000.00
	29/08/2019	Workshop	4000.00
	06/09/2019	Workshop	15000.00
	01/09/2019	Book purchase	12000.00
	07/09/2019	Field trip	13500.00
	07/09/2019	Extention activity (Village Adoption Activity)	3800.00
	10/09/2019	Chemicals	35835.00
	17/09/2019	Innovative Practice Terrace garden	11600.00

	27/09/2019	Video Conference Current Scenario in plant sciences	15000.00
	25/09/2019	Guest lecture	2000.00
	11/01/2019	Guest lecture	2000.00
	18/10/2019	Chemicals and Glasswares	45000.00
	06/12/2019	Chemicals	22361.00
	23/10/2019	Chemicals	45795.00
	07/12/2019	Hands on training in Molecular Biology	7000.00
	13/01/2019	Farmer's Seminar	2488.00
	GRAND TOTAL		Total : 2,68,129.00
Chemistry	22.07.2019 to 16.08.2019	Chemicals and Glass ware	1,38,035.00
	17.08.2019	Industrial Visit	12000.00
	30.08.2019	Field trip	1500.00
	04.07.2019 17.07.2019 18.07.2019 19.07.2019 29.07.2019 30.07.2019 31.07.2019 04.01.2019 05.01.2019 07.01.2019 03.10.2019 11.10.2019	Guest Lectures (10)	26000.00
	20.06.2019 & 21.06.2019	District Level FDP	8655.00
	02.12.2019	FDP for Non Teaching Faculty & Workshop	1174.00
	20.09.2019	National Seminar	39250.00
	20.08.2019 30.08.2019	Workshop	1500.00
	20.08.2019 21.08.2019 28.08.2019 27.09.2019	Training program	13040.00

	19.09.2019	Exhibition	10000.00
	15.07.2019 24.07.2019	Text Books	9976.00
	14.08.2019 27.09.2019	Participation in Workshop/Symposium	4400.00
	16.09.2019	Poster Competition	2000.00
	28.09.19	Practical Manual	600.00
	GRAND TOTAL		Total : 2,68,130.00

13. Details of books and journals subscribed from DBT grant

Department	List of Books	No. of copies	List of journals
Zoology	1. Introduction to Pisciculture	2	College subscribes for 1. Indian Journal of Marine Sciences 2. Journal of Science Education 3. Current Sciences 4. Ecology, Environment and Conservation 5. Asian Journal of Microbiology and Biotechnology 6. Indian Journal of Experimental Biology
	2. Introduction to Apiculture	2	
	3. Animal Biotechnology	2	
	4. Chordate Embryology	2	
	5. Genetics	2	
	6. Organic Evolution	2	
	7. A textbook of Immunology	2	
	8. Fundamentals of Biochemistry		
	9. Biotechnology	1	
	10. Life (Evolution Adaptation & Ethology)	1	
	11. Parasitology (Entomology & Acarology)	1	
	12. Biochemical Calculations & Biostatistics	1	
	13. Medical Biophysics	1	
	14. Medical Parasitology	1	
	15. Pharmacology	1	
	16. Immunology & Immunotechnology	1	
	17. Biostatistics	1	
	18. Chordate Embryology	3	
	19. Invertebrata	4	
	20. Chordates	4	
	21. Organic Evolution	4	
	22. Nutrition Science	4	
	23. Bioinformatics	4	

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

<p>Zoology</p>	<ol style="list-style-type: none"> 1. Increased Laboratory resources and practical techniques on an individualized basis have 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 has 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 extension activities from lab to land has been executed
<p>Botany</p>	<ol style="list-style-type: none"> 1. The students are benefited by undergoing projects. 2. By undergoing projects it increases the scope of Botany. 3. Infrastructure – Equipments and books improved the quality of teaching and hands on experience to the students. 4. Attending Hands on training, workshops, guest lectures, presenting papers and posters provides an opportunity to pursue students in higher studies.
<p>Chemistry</p>	<ol style="list-style-type: none"> 1. Guest Lectures given by eminent persons in specialized areas enabled the students to have a better understanding and to know the latest development in the subject. 2. Industrial visits, Institute visits and field trip facilitated the students to have better exposure to the subject. 3. Participating Conferences, Seminars and training Program helped the Students to get deep insight to the subject and gain confidence to present papers in National and International seminars and Conferences. 4. Students get inspired in carrying out Research in diverse fields. 5. Students get equipped and skilled for their Career enhancement.

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

Utilization of DBT grants could be recommended for the Post graduate courses.

16. Awards and Achievements

Awards - Faculty

Department	Date	Name of the faculty	Name of the Award	Organizing Committee
Zoology	23/10/2019	Dr. Sr. Mary Fabiola Assistant Professor	Best Faculty award	Centre for Bioscience and Nanoscience Research, Coimbatore
	October, 2019	Dr Pawlin Vasanthi Joseph	Reviewer of Journal	Merit Research Journal of Agricultural and Soil Sciences, Egypt.
Botany	09/01/2020	Dr.R.Mary Josephine	Best Faculty Award for Excellence in Botany	Bharatheeya Nattu Vaidhya Samithy, Trivandrum
	09/11/2019	Dr.P.Prathyusha	Best women Faculty Award	Novel research Academy Puduchery
	09/11/2019	Dr.Sr.M.Arul Sheeba Rani	Young Scientist Award Award	Novel research Academy Puduchery
Chemistry	03/05/19	Dr.N.Gunavathy	Best Paper Presenter Award	V.H.N Senthikumara Nadar College (Autonomous), Virudhunagar, India and Institute for Integrated Regenerative Medicine, Malaysia

	June 2019	Dr.N.Gunavathy	<p>1. Research Excellence Award 2019</p> <p>2. Recognized as Professional Member</p> <p>3. Recognized as Reviewer for InSc Journal International Journal of Basic and Applied Sciences</p>	Institute of Scholars
	29/01/20	Dr.N.Gunavathy	Arungkavi Arasi	Vasantha Vasal Kavi Mandram
	04/03/20	Dr.N.Gunavathy	Successfully Completed Online Refresher Course in Chemistry for Higher Education Faculty (2019) Scored 95 %	MHRD, SWAYAM UGC Government of India
	04/03/20	Dr.P.Kalaivani	Successfully Completed Online Refresher Course in Chemistry for Higher Education Faculty (2019) Scored 83 %	MHRD, SWAYAM UGC Government of India
	04/03/20	Dr.C.Subha	Successfully Completed Online Refresher Course in Chemistry for Higher Education Faculty (2019) Scored 81 %	MHRD, SWAYAM UGC Government of India

	21/02/20	Dr.N.Gunavathy	First Place in Throw Ball Competition	Department of Physical Education (69 th Annual Sports Day) Nirmala College
	21/02/20	Mrs.S.Valli	Second Place in Throw Ball Competition	Department of Physical Education (69 th Annual Sports Day) Nirmala College

FACULTY AWARDED Ph. D

Department	Name of the Staff	Date of Registration	Date of Viva-Voce	Title	Name of the Supervisor
Zoology	Nil				
Botany	Dr.A.Suganthi	01.07.2015	28.02.2020	Comparative Bioavailability of Nutritive , Antinutritive, Phytochemical and Molecular Docking Analysis of the selected ripen and unripe fruits with special reference to Anticancerous activity	Dr. R. Mary Josephine, Associate Professor and Dean Nirmala College for Women, Coimbatore-18
	Dr.C. Yogeshwari	01.11.2015	09.08.2019	Exploration of medicinal plant diversity in Chennampatti range, Western Ghats, India with phytotherapeuti c appraisal of <i>Tiliacora racemosa</i> Colebr.	Dr. P. Kumudha, Associate Professor (Retd.), Vellalar College for Women, Erode.
Chemistry	Nil				

Achievements:

Department	Date	Name of the student & class	Achievement	Organizing committee
Zoology	20/08/2019 to 24/08/2019	Mangaiyarkarasi. R II M. Sc Zoology	Weight lifting Eleventh	West Bengal
	12/09/2019		Weight lifting Gold	Nirmala College for Women, Coimbatore
	13/09/2019		Power lifting Gold	Nirmala College for Women, Coimbatore
	24/09/2019		Hand ball Winner	Vellalar College, Erode
	24/10/2019		Boxing Bronze	Kobi Arts & Science College, Erode
	16/11/2019 to 17/11/2019		Boxing Silver	Dindigul
	24/11/2019		Weight lifting Gold	Tiruppur
	09/12/2019 to 11/12/2019		Hammer Throw Silver	Nehru stadium
	03/01/2020		Taekwondo Gold	Nirmala College for Women, Coimbatore
	28/12/2019 to 30/12/2019		Weight lifting Participation	MS University, Tirunelveli
	24/01/2020 to 25/01/2020	Weight lifting 5 th place	MS University, Tirunelveli	
	12/09/2019	Sowmiya. A II M.Sc Zoology	Weight Lifting Gold	Nirmala College for Women, Coimbatore
	24/09/2019		Hand Ball 1 st place	Vellalar College, Erode

	24/08/2019 to 25/08/2019	Nija.S II B.Sc Zoology	Hand Ball Participation	Nazareth College of Arts & Science
	07/09/2019		Cross country Participation	Gopi Arts & Science College
	24/09/2019		Hand ball Winner	Vellalar College for Women
	09/12/2019 to 11/12/2019		Participation Athletics	Nehru Stadium
	04/12/2019 to 05/12/2019	C. Sowndarya I B.Sc Zoology	Ball badminton Winner	Inter Collegiate ball badminton tournament – 2019-2020, Pollachi
	25/09/2019 to 26/09/2019		Volley ball 4 th place	Inter Collegiate Volley ball tournament – 2019-2020, Pollachi
	09/12/2019 to 10/12/2019	V.Deepika I B.Sc Zoology	Athletics 4 th place	Inter Collegiate Shotput tournament – 2019-2020, Pollachi
	23/09/2019 to 24/09/2019	R.Arthi I B.Sc Zoology	Hand ball 1 st place	Inter Collegiate Hand ball tournament – 2019-2020, Erode
	24/10/2019		Foot ball Participation	Nazareth open tournament
	23/09/2019 to 24/09/2019	P.Sneha I B.Sc Zoology	Hand ball Winner	Inter Collegiate Hand ball tournament – 2019-2020, Erode
	04/10/2019		Hand ball	Nazareth open tournament
	16/10/2019		Basket ball 3 rd place	Basket ball tournament

	23/09/2019 to 24/09/2019	S.Sindhu I B.Sc Zoology	Hand ball Participation	Inter Collegiate Hand ball tournament – 2019- 2020, Erode Nazareth open tournament
	16/10/2019		Basket ball 3 rd place	Basket ball tournament
	16/10/2019		Foot ball Participation	
	23/09/2019 to 24/09/2019	R. Samundeshwari I B.Sc Zoology	Hand ball Winner	Inter Collegiate Hand ball tournament – 2019- 2020, Erode Nazareth open tournament
	16/10/2019		Foot ball Participation	KPR College Bharathiar University
Botany	18.12.2019	Athira. A. V. II M.Sc	Poster presentation	Poster presentation - I Prize, National Seminar :Current Scenario in Plant Science- Department of Botany, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.
	18.12.2019	Anusree. K II M.Sc	Oral presentation	Oral presentation I Prize, National Seminar :Current Scenario in Plant Science- Department of Botany, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.

20.01.2020	Sri Ranjani.B II M.Sc	Poster presentation	I Prize, National Seminar- Recent Scenario in Phytochemical and Pharmacological Applications (RSPPA)- Department of Botany, Bharathiar University, 2020
20.01.2020	Angel Beaula.V II M.Sc	Poster presentation	II Prize, National Seminar- Recent Scenario in Phytochemical and Pharmacological Applications (RSPPA)- Department of Botany, Bharathiar University, 2020
10-01-2020	Abhirami Sunil K	Poster Competition	Ozone day, Department of Chemistry, Nirmala College For Women
10-01-2020	Adarsha K	I Prize Flower arrangement	Fine arts Nirmala College For Women
10-01-2020	Adarsha K & Abhirami Sunil K	I Prize Flower arrangement	Department of Botany, Nirmala College For Women
10-01-2020	Athira A .V Sajitha K Shana Evangalin & Mantra	II Prize Flower arrangement	Department of Botany, Nirmala College For Women
11.07.2019	Deepa .J III B.Sc Sreepoornima. S III B.Sc	Poster presentation II Prize	Department of Geography, Nirmala College For Women.
10.12.2019	Anitha. N III B.Sc Rishana Begam.J III B.Sc	PPT III Prize	Department of Mathematics, Nirmala College For Women.

	05.09.2019	Sharmilaa .R .K II B.Sc	Variety Entertainment II PRIZE	Micheal Job college
	20.10.2019	Sharmilaa R K II B.Sc	Television talk show	Agada vikadan by Raj TV
	20.02.2020	Sharmilaa R K II B.Sc	ADZAP I PRIZE	Department of Commerce, Nirmala College For Women.
	25.09.2019- 01.10.2019	Sharmilaa R K II B.Sc	Annual special camp - Leader	NSS
	29.09.2019	Sharmilaa .R. K II B.Sc	Debate on the topic “Indraiya pengalin munnatrathuku karanam kalvi/ veerama”	NSS
	10.09.2019	Sharmilaa R. K II B.Sc	Debate	ALL INDIA RADIO
	2019-2020	Sharmilaa R K II B.Sc	College union secretary	Nirmala college for women, Coimbatore.
	10.08.2019	Sharmilaa R K II B.Sc	Decomposable waste - 11kgs/ To Swatch Bharath	Nirmala college for women, Coimbatore.
	17.02.2020	Irfana II B.Sc Ishana II B.Sc	Mehendi II Prize	Chetna Women’S cell
	07.03.2020	Twinkle Maria Joson II B.Sc	Mettre En Relation II PRIZE	Kumara guru liberal arts and science
	21.02.2020	Maanisha. S, I B.Sc	I Prize (Mercy house)	Department of Commerce (CA), Nirmala College For Women.
	21.02.2020	Sandhya. M, I B.Sc	I Prize in March fast (Mercy house)	Fine Arts Committee, Nirmala college for women, Coimbatore.
		Manthra. A and Shana Evanjalini. D, I B.Sc	II prize in flower arrangement	Fine Arts Committee, Nirmala college for women, Coimbatore.

		Ferlin Martina. M,	I prize in Quiz	Petroleum conservation and Research Association
		Shirlin Denis . M, I B.Sc	II prize	PCRA
		Poomani . D, I B.Sc	III prize	PCRA
25.05.2019 – 26.05.2019		Harini. M, Ramya. J, Arockia Preethi. L, Priyanka. R., II B.Sc	I Prize (Cash: Rs. 10,000)	3 rd State level Ball Badminton fives tournament, Srirangam, Trichy.
13.06.2019 – 15.06.2019		Harini. M, Ramya. J, Arockia Preethi. L, Priyanka. R., II B.Sc	III prize (Cash: Rs. 6,000)	YMCA GROUNG Royapettah, Chennai.
22.06.2019 – 23.06.2019		Harini. M, Ramya. J, Arockia Preethi. L, Priyanka. R., II B.Sc	III prize (Cash: Rs. 6,000)	State level Ball Badminton Tournament, ZKM school, Bodi.
11. 10. 2019 – 13. 10. 2019		Harini. M, Ramya. J, Arockia Preethi. L, II B.Sc	IV prize (Cash: Rs. 3,000)	2 nd Shravana All India Ball Badminton Tournament, Bellari.
04. 01. 2020 – 05. 01. 2020		Harini. M, Ramya. J, Arockia Preethi. L, II B.Sc	II Prize	The 65 th Senior Inter District Ball Badminton Championship, Tirupur.
07. 01. 2020 – 10. 01. 2020		Harini. M, Ramya. J, Arockia Preethi. L, II B.Sc	III Prize	All Indian Inter University Ball Badminton Tournament, Andhra University, Vishakapattinam.
22. 02. 2020 – 23. 02. 2020		Harini. M, Ramya. J, Arockia Preethi. L, Priyanka. R., II B.Sc	IV prize (Cash: Rs. 4,000)	State level Ball Badminton Tournament, TNPL Ground, Kakithapuram.
05. 12. 2019 – 06. 12. 2019		Harini. M, Ramya. J, Arockia Preethi. L, Priyanka. R., II B.Sc	I Prize	Bharathiar University Intercollegiate Ball Badminton Tournament, Sree Ramu College, Pollachi.

	30. 08. 2019	Harini. M	II Prize	Bharathiar University Intercollegiate Ball Badminton Tournament, SNS College, Saravanampatti, Coimbatore.
Chemistry	May 2019	Krishnapriya.P	Qualified SET	LBS Centre for Science & Technology Government of Kerala
	June 2019	Keerthana.K	Qualified K TET	PareekshaBhavan Government of Kerela
	June 2019	Anjali Sreenivasan	Qualified K TET	PareekshaBhavan Government of Kerela
	11.07.19	Anandhi.K & Souburnika T.R (III B.Sc)	I Prize Poster Presentation on the topic Family Planning, Empowering Women, Developing Nations	Department of Geography
	11.07.19	Pinki Mahur & Manoranjitham (I M.Sc)	III Prize Quiz Competition on the topic Family Planning, Empowering Women, Developing Nations	Department of Geography
	09.08.19	Veena.K (III B.Sc)	2 nd Prize (Rs.7,000/-) Essay Writing Competition	Tamil Valarchi Thurai Coimbatore District
	12.08.19	Hemamalini.S (I B.Sc)	Received Participation Certificate For Handwriting Competition	Agathir Mamunivar Arts, Literature and Culture Research Centre Kanyakumari District

29.09.19	Neenumol.M.P (I M.Sc)	Successfully Completed and received Certificate for Online Course on Metals in Biology and Scored 75 % Elite with Silver Medal	MHRD, SWAYAM UGC - NPTEL IIT Bombay
29.09.19	Princy Francis Thachedam (I M.Sc)	Successfully Completed and received Certificate for Online Course on Metals in Biology and Scored 73 % Elite	MHRD, SWAYAM UGC – NPTEL IIT Bombay
29.09.19	Ambili Das (I M.Sc)	Successfully Completed and received Certificate for Online Course on Metals in Biology and Scored 67 % Elite	MHRD, SWAYAM UGC – NPTEL IIT Bombay
29.09.19	Ramya.U (I M.Sc)	Successfully Completed and received Certificate for Online Course on Metals in Biology and Scored 66 % Elite	MHRD, SWAYAM UGC – NPTEL IIT Bombay
29.09.19	Sandra K Saji (I M.Sc)	Successfully Completed and received Certificate for Online Course on Metals in Biology and Scored 63 % Elite	MHRD, SWAYAM UGC – NPTEL IIT Bombay
29.09.19	Megha Surendran S.K (I M.Sc)	Successfully Completed and received Certificate for Online Course on Metals in	MHRD, SWAYAM UGC – NPTEL IIT Bombay

			Biology and Scored 62%	
29.09.19	Pinki Mahur (I M.Sc)		Successfully Completed and received Certificate for Online Course on Mechanism in Organic Chemistry and Scored 47 %	MHRD, SWAYAM UGC - NPTEL IIT Bombay
17.10.19	Annie Cathrien.D (II B.Sc)		Cleared 8 Levels of Exam and Received B.A Degree in Hindi	Dakshin Bharath Hindi Prachar Sabha (DBHPS) Chennai
16.11.19	Aswathi.C (I M.Sc)		Successfully Completed and received Certificate for Online Course on Bioinorganic Chemistry and Scored 83 % ELITE with Silver Medal	MHRD, SWAYAM UGC - NPTEL IIT Kanpur
16.11.19	Gopee Chandana G.B		Successfully Completed and received Certificate for Online Course on Bioinorganic Chemistry and Scored 77 % ELITE with Silver Medal	MHRD, SWAYAM UGC - NPTEL IIT Kanpur
21.11.19	Geraldin Maria Swedha.J (III B.Sc)		Selected as ABPM GDS Postal Department, Gudalur Bazaar, SO. The Nilgiris	Central Government of Postal Department
10.12.19	Joyalin Elizabeth Joy & Anuroopa.C (II M.Sc)		First Prize in ChemQuiz	Department of Chemistry Sri Ramakrishna College of Arts & Science (Autonomous) Coimbatore Won the Overall Trophy
	Agnes Mettilda.A & Abinaya.D (II M.Sc)		First Prize in Chem Connections	
	Elakkiya.M (III B.Sc)		First Prize in Multitasking	

		R.Dhanya Sruthi & Devipriya.S (II M.Sc)	Second Prize in Mehandi	
		Hari Gayathri.L & Agnes Mettilda.A (II M.Sc)	Second Prize in Facial Painting	
10.12.19		Brita John.C & Angel Infanta.M (II M.Sc)	Second Prize in Paper Presentation	Department of Chemistry Sri Ramakrishna College of Arts & Science (Autonomous) Coimbatore Won the Overall Trophy
		Jyothika.R Pradiksha.B Femina.A Megala Devi.M Divya Prabha.A Epiba.T (II B.Sc)	Second Prize in Mime	
12.12.19		K.Veena (III B.Sc Chemistry)	II Prize (Rs.2000/-) Tamil Essay Thirunavukarasarum Valluvarum	Thiruvantpa Arakkattalai Kongunadu Arts and Science College, CBE.
12.12.19		Hemalatha.J (I M.Sc)	1 st Prize Brain Treaser Quiz Competition	Department of Mathematics (SF) Nirmala College for Women CBE
		Immaculate Dayana.J (I M.Sc)	2 nd Prize Brain Treaser Quiz Competition	
		Nandini.J (I M.Sc)	2 nd Prize Brain Treaser Quiz Competiton	
19.12.19		Anandhi.K (III B.Sc)	1 st Prize Pencil Sketch	Department of Mathematics Nirmala College for Women, CBE
20.12.19		Rinsiya Parveen.B (II B.Sc)	1 st Prize Power Point Presentation	Ramanujan's Day Celebration Department of Mathematics Nirmala College for Women, CBE
		Reshma.B (II B.Sc)		
		Nivetha.N (II B.Sc)	2 nd Prize Pencil Sketching	

		Liji.L (II B.Sc)	1 st Prize Pot Painting	
		Jyothika.R (II B.Sc)	2 nd Prize Pot Painting	
20.12.19		Liji.L (II B.Sc Chemistry)	I Prize Glass Painting	Energy Club Nirmala College for Women,CBE
20.12.19		Ananthi.K (III B.Sc Chemistry)	2 nd Prize Glass Painting	
23.01.20		Nandini.J (I.M.Sc)	Ist Prize Elocution	Chemistry Association Department of Chemistry Nirmala College for Women
		Shilpa.c (III B.Sc)	2 nd Prize Elocution	
		Durga Devi.S Nivetha.N (II B.Sc)	1 st Prize 2 nd Prize Quiz Competition	
		Srinidhi.V Sneka.S (I B.Sc)	1 st Prize 2 nd Prize Quiz Competition	
30.01.20		M.Sindhu (Ph.D Scholar)	Best Paper Presenter Award	National Conference Sri Ramakrishna College of Arts and Science, Coimbatore
14.02.20		C.Shipa (III B.Sc Chemistry)	Best Library User Award	Department of Library Nirmala College for Women
21.02.20		M.Saranya (II B.Sc Chemistry)	Second Prize in Fancy Dress Competition on the Theme Empowered Women in Sports	Department of Physical Education (69 th Annual Sports Day) Nirmala College for Women
03.03.20		Ananthi.K (III B.Sc Chemistry)	Second Prize in Soap Carving Competition	Chetna Women Cell, Nirmala College for Women

Extension Activities

Department	Date	Activity	Place	Member of Beneficiaries
Zoology	15/07/2019 to 19/07/2019	Blood grouping & Haemoglobin Testing	Department of Zoology	307 (Freshers)
	22/08/2019	Blood grouping & Haemoglobin Testing	Kangayampalayam, Government Higher Secondary School, Coimbatore	74
	27/09/2019	Blood grouping, Haemoglobin Testing and awareness on health and hygiene	Kadampadi Village, Government School, Coimbatore	40
Botany	31. 08.2019	Mushroom technology, Preparation and use of Facepack and Herbal hair oil	Kangayampalayam, Coimbatore	45
	06. 09. 2019	Safety measures and Handling of Microscope	Palamalai – Outreach programme for School students	50
	July 2019 to October 2019	Terrace gardening – Cultivation of organic vegetables and greens	Department of Botany	15
Chemistry	27.09.19	Training programme on Preparation of House hold Cleaning Materials	Kadampadi Village, Coimbatore	25 public

Outreach program to schools

Department	Date	Place	Activity	Schools visited	Member of Beneficiaries
Zoology	31/07/2019	Apiary Units, Vermicompost Unit, Museum, Laboratories, Library	Demonstration on Blood grouping, hemoglobin test and BP Check. A talk on the role of biology in modern context was given. A video on silk worm lifecycle till reeling was shown to them.	Nirmala Matric Hr. Sec. School, Coimbatore	57 students + 2 Staff (11 th & 12 th students)
	08/08/2019			Presentation Hr. Sec. School, Sidco and Junior public school	80 students + 5 Staff (6 th -8 th and 11 th & 12 th students)
	27/08/2019			Carmel Garden Hr. Sec. School, Coimbatore	65 students + 1 Staff (9 th and 11 th Students)
Chemistry	20/06/19	Nirmala Matric Hr. Sec. School, Coimbatore	Lecture on 1. Solid State 2. Coordination Chemistry 3. Chemical Kinetics Rendered in association with District Institute of Education and Training (DIET), Tamilnadu Government (Education Department), Coimbatore	For Coimbatore District Government School Teachers	70 PG Teachers
	06/01/20	Government Girls Higher Secondary School	Periodic Table Distribution	Government Girls Higher Secondary School Marandahalli Palacode (TK), Dhamapuri	25 School Children

VOLUNTEERING SERVICE TO THE SOCIETY

Department	DATE	ACTIVITY	PLACE VISITED	NO OF PARTICIPANTS
Zoology	17/08/2019	Cleaning and painting of the dog kennels, strolling of handicapped dogs, de-weeding and gardening	Humane Animal Society, Seeranaichanpalayam, Coimbatore	15
	31/08/2019			15
	21/09/2019			15
	28/09/2019	Awareness program on rabies vaccine to the public	Velandipalayam, Coimbatore	16
	09/12/2019	Cleaning of the dog kennels, Strolling of handicapped dogs, gardening, Bathing of dogs and feeding of dogs	Humane Animal Society, Seeranaichanpalayam, Coimbatore	15
	04/01/2020			15
	29/02/2020	Cleaning of the dog kennels, Strolling of handicapped dogs, gardening, Bathing of dogs and feeding of dogs	Humane Animal Society Seeranaichanpalayam, Coimbatore	15
Chemistry	07/09/19	Food Nutrition and Food Adulteration	Extension Activity for Village Adoption Scheme at Kangeyampalayam.	33
	20/08/19	Home Care Products	Balance Room, Department of Chemistry Nirmala College for Women	21
	20/08/19	Textile Screen Printing	Physical Chemistry Laboratory, Nirmala College for Women	21

BEST PRACTICE

Department	DATE	ACTIVITY	Amount/ Number
Zoology	26/06/2018 to 05/07/2019	Harvesting of vermicompost	925kgs
	10/02/2020 To 22/02/2020	Harvesting of Vermicompost	700kgs
Botany	2019-20	Medicinal plants donated to our medicinal garden by the students	135 No.
	2019-20	Mushroom cultivation unit has been implemented in the campus.	2kgs
Chemistry	On all working Days	Maintenance of Kitchen Waste Biogas in College Hostel Kitchen	650 Students
	During all Practical Classes	Reduction in the use of Chemicals for the practicals by using half the quantity mentioned in the procedure	240 Students
	05.09.2019	Solar Powered Fan & Light Installed in Department Library	Rs.24,500

RESEARCH PROJECT AWARDS MAJOR/ MINOR PROJECTS

Department	Date	Name of the faculty	Topic	Funding Agency	Amount (Rs.)	Sanctioned/ Ongoing/ Completed
Zoology	Nil					
Botany	05.09.2019	Dr. Sr. M Arul Sheeba Rani	Comparative beneficial role of selected Individual tree canopy in urban greening with special reference to urban soil.”\	UGC - MINOR PROJECT	Sanctioned 3 rd Installment Rs.10,000/-	Sanctioned

	01.06.2019	G.Rajasangeethaa (M.Sc passed out)	Comparison in yield of Oyster mushroom using biodegradable waste as substrate – paddy straw, sugarcane baggage and coir waste	TNSCST- Student Project Scheme	Rs.7,500	Completed
	14.11.2019	P.Athulya, Ph.D Scholar	CSIR - UGC – JRF Cleared	UGC	Fellowship & HRA Rs.35,960/- Per month & Contingency Rs.3000/- once in 3 months	Ongoing
	19.02.2020	B. Sri Ranjini II M.Sc	-----	UGC- Single girl child Scholarship	36200/-	Sanctioned
	19.02.2020	S.Kavi Malar II M.Sc	-----	“	36200/-	Sanctioned
	19.02.2020	G.Rajasangeethaa M.Sc passed out	-----	“	36200/-	Sanctioned
	19.02.2020	T.Jeevitha M.Sc passed out	-----	“	36200/-	Sanctioned
	19.02.2020	K.Anjana M.Sc passed out	-----	“	36200/-	Sanctioned
Chemistry	18.02.2019	Dr.C.Subha	Evolution of Newly Synthesized Polyamides as Corrosion Inhibitors	TNSCST- Student Project Scheme	Rs.7,500	Completed

PAPER PUBLICATIONS - Faculty

2019-2020					
Department	MONTH	NAME OF THE FACULTY	TOPIC	JOURNAL	IMPACT FACTOR
Zoology	JUN'19	Dr.Pawlin Vasanthi Joseph	A comparative analysis on the gut microflora of earthworm <i>Eudrilus eugeniae</i> and <i>Glassocoles paulistus</i>	<i>Journal of emerging technologies and innovative research.</i> 6(6): 533-536. ISSN2349-5162 Google Scholar, Research gate	5.87
	JUL'19		Efficiency of different substances on vermicompost production- A biochemical analysis	Book Chapter: Web of Sciences	
	AUG'19		The effect of dietary supplementation of herbal plants on growth of <i>Oreochromis mossambicus</i>	Proceeding: National conference on exploring Bio-nano sciences in Pharma, Agri, Food Science and Industrial microbiology	
	DEC'19		Assessment of Hemoglobin status in a small section of students, Coimbatore	<i>Nirmala Annual research congress</i> Pp279-284 ISBN 978-93-5391-196-6	
	DEC'19		Dietary supplementation of <i>Andrographis paniculata</i> and <i>Gymnena sylvestre</i> on the growth of <i>Oreochromis mossambicus</i>	<i>Nirmala Annual research congress</i> Pp.285-290 ISBN 978-93-5391-196-6	
	JAN'20		Innovative pedagogy : the cross over learning	<i>IQAC proceeding.</i> Pp 11-17. ISBN: 978-93-5391-892-7	
	Nov'19		Dr.Sr.Mary Fabiola	GCMS and phytochemical profiling of ethyl acetate leaf extract of <i>Elytria acaulis</i>	<i>International journal of recent scientific research.</i> 10 (11) (X) ISSN:0976-8081
	NOV'19	Bioaccumulation and histopathological alterations of the heavy metal in fresh water fish <i>Oreochromis niloticus</i> collected from two different lakes in Coimbatore district		<i>Nirmala Annual research congress</i> Pp.2-291-295 ISBN 978-93-5391-196-6	
	JAN'20	A study of vocational interest and personality among English and tamil medium X th standard students		<i>IQAC proceeding.</i> Pp1-6 ISBN: 978-93-5391-892-7	
	JUN'19	Dr. Rosaline Mary		Impact of Amoxillin and Cefadroxil on the growth and protein level of fresh water fish <i>Oreochromis mossambicus</i>	<i>International Journal of Current Research in Multidisciplinary</i> 4(6):01-04. ISSN 2456-0979. Google Scholar, Academia.edu, doc. stoc, GeonD

	JAN'20		Alignment of curriculum to market demand for higher education	<i>IQAC proceeding</i> . Pp75-77 ISBN: 978-93-5391-892-7	
	JUN'19	Dr.B.Dhanalakshmi	Assessing the trace metal status in the sediment of Ambrampalayam river, Pollachi taluk, Tamilnadu	<i>Journal of Emerging Technologies and Innovative Research</i> 6(6):628-632. ISSN 2349-5162 Google Scholar, Research gate, Thomson Reuters, Cite factor	5.87
	JUN'19		Assessing the water quality status of Ambrampalayam river, Pollachi taluk, Tamilnadu, India with reference to trace metals.	<i>Journal of Global Biosciences</i> 8(6):6313-6323. ISSN:2320 1355 Google Scholar, Research gate, Thomson Reuters, Cite factor	1.115
	JUN'19		Impact of heavy metals on the tissues of fresh water fish <i>Oreochromis niloticus</i> – A systematic approach.	<i>Journal of Emerging Technologies and Innovative Research</i> 6(6):734-747. ISSN 2349-5162. Google Scholar, Research gate, Thomson Reuters, Cite factor	5.87
	JUL'19		<i>Oreochromis niloticus</i> – A bio monitoring tool for assessment of trace metals of Theroor Wetland, Kanniyakumari district, India.	<i>International Journal of Engineering Development and Research</i> . 7(3):619-625. ISSN:2321-9939. Cite factor	7.37
	DEC'19		Cytotoxic effect of silver nanoparticles synthesized from <i>Sargassum wightii</i> on cervical cancer cell line	<i>Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.</i> doi:10.1007/s40011-019-01152-3 Springer, Scopus	0.396
	NOV'19		Dr.Chitra	Efficacy of commercial probiotics (eubioz) on growth, biochemical composition and nutritional indices of Indian major carp, <i>Catla catla</i>	<i>International Journal of Recent Scientific Research</i> 10(11(F)): 36126-36130. ISSN:0976-3031 Google Scholar, Thomson Reuters
	NOV'19	Estimate of proximate composition and isolation of biogenic amine forming bacteria in <i>Sardinella longiceps</i> collected from different locations		<i>Nirmala Annual research congress</i> Pp.275-278 ISBN 978-93-5391-196-6	
	DEC'19	Influence of commercial probiotic (bifilac) on growth, Feed utilization efficiency and biochemical composition of murrel, <i>Channa striatus</i>		<i>International Journal of Advanced Research</i> . 7(12):615-62. ISSN:2320-5407 Google Scholar, Thomson Reuters,	7.08

	FEB'19		Untreated and <i>Sargassum wightii</i> -treated brilliant green dye toxicity impact on microflora and <i>Allium cepa</i> L.	<i>Applied Water Science</i> 9:16, 1-8 ISSN 2190-5495 Springer	0.51
	APR'19	Dr. D. Vigneshpriya	Comparison of proximate and fatty acid composition of shell of marine edible shrimps, <i>Heterocarpus gibbosus</i> (Bate, 1888) and <i>Aristeus alcocki</i> (Ramadan, 1938)	<i>International Journal of Zoology and Applied Biosciences</i> 4(2): ISSN: 2455- 9571 Index Copernicus, Thomson Reuters, Research Gate, ISI, Pub Med	1.564
	January 2020		Impact of untreated and <i>Sargassum wightii</i> - treated brilliant green dye exposure on Indian major carp, <i>Labeo rohita</i> Ham: hematology, biochemistry, enzymology and histopathology.	International Journal of phytoremediation. ISSN:1522-6514 Scopus (Taylor and Francis)	2.237
Botany	2019	Dr.J. Carolin Joe Rosario	Mineral profile of the selected edible marine algae in Tikoti, Calicut, Kerala Coast,	Journal of Emerging Technologies and Innovative Research Volume 6, Issue 3, pp.412 - 415. ISSN-2349-5162 Google Scholar, ResearcherID, Mendeley	5.87
	2019	Dr.U.Danya	<i>In vivo</i> antioxidant activity of Essential oil of <i>Ferronia limonia</i> (L.) Swingle (Rutaceae) – An endangered tree of Tamilnadu.	World Journal of Pharmacy and Pharmaceutical Sciences Vol. 8(5): 767-774, 2019 ISSN – 2278-4357 Google Scholar, Index Copernicus, Indian Science Publications	7.63
	2019	Dr.M.Saradha	Volatitile compound analysis using GC-MS, phytochemical Screening and antioxidant activity of <i>Ficus amplocarpa</i> Govind and Masil fruit	Global Journal of Bioscience and Biotechnology Vol. 8(1): 37-45, 2019 Science Citation Index	5.12
	2019	Dr.M.Saradha	Medicinal plants for the treatment of skin diseases by Kurumba tribes of Nilgiris District, Tamilnadu	International Journal of Technical Innovation in Modern Engineering & Science Vol. 5(05):1121-1125, 2019	-
	2019	Dr.M.Saradha	Validation of underutilized wild edible fruits from the Shola forest of Nilgiris, Western Ghats, Tamilnadu, India	Infokara Research Vol. 8(8): 36-49, 2019 Google scholar, Cite Factor, International scientific indexing	-

2019	Dr.M.Saradha	Floristic study in Sholur Wetlands of Nilgiris District, Tamilnadu, South India.	Journal of Emerging Technologies and Innovative Research Vol. 6(4): 155-166, 2019 Google Scholar, ResearcherID, Mendeley	5.87
2019	Dr.P. Prathyusha	Studies on Phytochemical screening and Antimicrobial activities of Boerhaavia diffusa, Linn: and Centella asiatica, (L.)Urban.	World Journal of Pharmaceutical research 2019, Vol 8, Issue 5, 1417 – 1426. ISSN: 2277 – 7105 Index Copernicus, Google Scholar	8.08
2019	Dr.Anitha.T	Evaluation of Algal Biodiversity along Western Coasts of India; A Review	International Journal of Advanced Research in Biological Sciences Volume 6, 59-64, 2019 Google schoar, Indian sciences	-
2019	Dr.Anitha.T	After effect of air layering in selected trees influencing arbuscular mycorrhizal fungi	International Journal of Research in Applied Science and Engineering technology Volume 9, 1361-1365, 2019.	7.17
2019	Dr.Anitha.T	Ethnobotanical Survey to Perceive the Knowledge of Wild Edible Plants Related to Ecology and Society in Parapram, Kerala	International Journal of Research in Applied Science and Engineering technology Volume 7, 1369-1373, 2019. ISSN:2321-9653	7.17
2019	Dr.Anitha.T	Preliminary Phytochemical and Mineral Analysis in Therapeutic Fruit Peels of Banana, Orange and Pomegranate	International Journal of Research in Applied Science and Engineering technology Volume 7, 1366-1368, 2019. ISSN:2321-9653	7.17
2019	Dr.Anitha.T	Floristic composition and ethnobotanical documentation of a sacred grove, vallikkattu kavu-Kozhikode district, Kerala	International Journal of Research in Applied Science and Engineering technology Volume 7, 965-972, 2019. ISSN:2321-9653	7.17
2019	Dr.Anitha.T	Stomatal types in monocot and dicot plants within flora of nirmala college campus, Coimbatore, Tamilnadu	International Journal of Research in Applied Science and Engineering technology Volume 7, 1980-1988, 2019. ISSN:2321-9653	7.17

2019	Dr.Anitha.T	Plant propagation in cucurbits through tongue grafting using biofertilizer and chemical fertilizer	International Journal for Research and Development in Technology Volume 11, 228-232, 2019. ISSN:2349-3585 Cite Factor, Schorly open access, Google scholar	6.88
2019	A.Suganthi	Evaluation of phytochemical analysis and antimicrobial activity of <i>phyllanthus emblica</i> (l.) Fruit pulp.	World journal of pharmaceutical research. Volume 8 (5) : 1381 – 1391 Index Copernicus, Google Scholar	8.08
2019	A.Suganthi	Medicinal plants survey on the paniya kurumaba and thoda tribes in Nilgiri hills Tamilnadu India.	World journal of pharmaceutical research 2019, Volume 8 (5), 785-804 Index Copernicus, Google Scholar	8.08
2019	A.Suganthi	Phytochemical anaysis and anti-head lice activity of <i>azadirachta indica</i> (a.juss) and <i>Aegle marmelos</i> (corr.) (leaves)	World journal of pharmaceutical research Volume 8 (5), 1370-1380 Index Copernicus, Google Scholar	8.08
2019	A.Suganthi	Study on the cytogenetic effect of panchagavya and urea in <i>allium cepa</i> (l.) Root tip mitosis	World journal of pharmaceutical research Volume 8 (5), 1099-1110 Index Copernicus, Google Scholar	8.08
2019	A.Suganthi	Cultivation, harvesting and processing to produce top quality coffee in coffee robusta l. Linden and their value added products-a review	Am. J. Pharmtech res. Volume 9 (2), 147 – 158 Index Copernicus, Google Scholar	0.98
2019	Dr. Sincy Joseph	Impact of air pollution and leaf dust deposition on biochemical parameters and air pollution tolerance index (APTI) of some road side plant.	International Journal of Botany Studies Volume 4 (2): 110-114,2019 Index Copernicus, Google Scholar, Research Gate, Indian science.in	5.12
2019	Dr. Sincy Joseph	Morphological, anatomical and phytochemical screening of <i>Sida acuta</i> , Burm. F.; Kannur district, Kerala,	International Journal of Botany Studies Volume 4 (3), 01-03 2019 Index Copernicus, Google Scholar, Research Gate, Indian science.in	5.12

	2019	Dr. Sincy Joseph	Comparative analysis of phytochemical and antibacterial activity of ginger (<i>Zingiber officinale</i> , Rosc.) and fenugreek (<i>Trigonella foenum-graecum</i> , L.)	International Journal of Botany Studies Volume 4 (2), 100-103, 2019 Index Copernicus, Google Scholar, Research Gate, Indian science.in	5.12
	2019	Dr. Sincy Joseph	Melissopalynological analysis of honey samples collected from Nilambur Taluk in Malappuram district, Kerala,	International Journal of Botany Studies Volume 4(3) 20-22, 2019 Index Copernicus, Google Scholar, Research Gate, Indian science.in	5.12
	2019	Dr. Sincy Joseph	Study of anatomical and morphological features, phytochemical screening and antibacterial activity of <i>Cassia fistula</i> , Linn.	International Journal of Botany Studies Volume 4 (2)104-106, 2019. Google Scholar	5.12
	2020	Dr. C. Yogeshwari	Morphoanatomical studies of <i>Tiliacora racemosa</i> Colebr.	Advances in Zoology and Botany Volume 8 (2) 52- 57, 2020. UGC Approved	1.1
Chemistry	April 2019	Dr.N.Gunavathy	Phytochemical Screening, Weightloss Measurement, Surface Examination and Quantum Chemical Analysis of <i>Phaseolus Vulgaris</i> Seed Extract as Green Corrosion Inhibitor for Mild Steel in 1N HCl Medium.	International Journal for Research in Engineering Application & Management (IJREAM) Volume 5, Issue 1, Page 472 – 476, Google Scholar Index copernicus	5.834
	May 2019		Characterization of Lead Oxide (PbO) Nanoparticle Synthesized Using <i>Musa Acuminata</i> Peel Extract and Its Antimicrobial Activity.	Proceedings of International Conference on Emerging Trends in Science and Social Science Organised by VHN Senthilkumara Nadar College, Virudhunagar India and Institute for integrated Regenerative Medicine Kuala Lumpur, Malaysia ISBN: 978-93-81723-95-1, Page 32	-
	May 2019		Phytochemical Screening, GCMS Analysis and Antibacterial Activity of <i>Phaseolus Lunatus</i> Seeds Extract.	ISBN: 978-93-81723-95-1, Page 38	-
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