

PG AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY

List of Projects undertaken by students (2019-2020)

Sl.No.	Name of the Students	Title of the Project
1.	Bala Kumar.P Dhanush.R Gokul.M Perunithi.R Reshma.R Vanthana.K	Extraction of eco-friendly natural dyes from Indian almond leaves of <i>Terminalia catappa</i> L. and evaluation of its anti-oxidant properties
2.	Bharathvaaj.D Govarthani.G.T Naveen Kumar.A Nithish.R Sabari Kanna.T Sruthi Sasidharan	Preliminary phytochemical screening and antimicrobial studies of leaf extract of <i>Solanum nigrum</i> L.
3.	Deepika.B Mahalingam.A Nivitha Brindha.P Sowmiya.S Tamil Selvam.G Thanghapantieyaan.A.k	Eco-friendly synthesis, characterization of iron oxide nanoparticles from bio waste (chili) and evaluation of their antibacterial activities
4.	Harish.J.N Keerthana.K Leelavathi.G Logesh Bharani.B Nivetha.M Subhashini.M	Green synthesis and characterization of zinc oxide nanoparticle from <i>Spathodea campanulata</i> leaf extracts
5.	Chandini Bhavna Narwil.H Maikchelraj.S Shanmugapriyan.M Showmmiya.M Rabista Vincy.J Thevar Kausalya Ravichandran	<i>In vitro</i> antibiofilm activity of <i>Couroupita guianensis</i> against biofilm-forming <i>Staphylococcus aureus</i>
6.	Hari Prasath.B Krupa Thomas Preethi.T Shalini.G Varsha.A Vishal.R	In vitro analysis of phytochemical screening and antimicrobial activity of <i>Parthenium hysterophorus</i> L. against pathogenic microorganisms
7.	Ragul.K Santhosh Raj.N Sri Dharshini.M	Green synthesis and characterization of gold nanoparticles using aqueous flower extract of <i>Tecoma stans</i> L

	Vidyasri.R Vivitha.M Yamuna.V	
8.	Bharathi.M Kishore.D Nithish.P Ravishankar.S Sabitha.S Santhoshkumar.P	A study on isolation and application of laccase enzyme from dye contaminated soil and its effect on dye decolourization
9.	Akalya.K Akshara.E.G Barath Kumar.S Deephen Raj.K.R Manoj.T Varshaa Shree.L.L	Analysis of physical, chemical, biological parameters and microbiota present in water bodies around Coimbatore
10.	Banu Hunsi.M.S Dinesh Kumar.V Magitha.S Mohanapriya.M Mugesh Kannan.R Naresh Kumar.K Siva Kumar.R	Isolation and characterization of endophytic bacteria from stem and root of <i>Coriandrum sativum</i> L. and screening for its potency in enzymes production and commercial dye decolourization

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Industrial visits by students (2019-2020)

Sl.No.	Class/ No. of Students	Industry Visited, Place	Date of Visit
1	II B.Sc./61	Industrial visit to Salim Ali Centre for Ornithology & Natural History, Coimbatore	19-07-2019
2	III B.Sc./61	Animal Biotechnology, Central Sheep & Wool Research Institute (ICAR), Kodikanal, Dindigal	19-07-2019
3	I B. Sc./66	Yercaud Biotech, Salem	24-01-2020
4	II B.Sc./61	Central Sheep & Wool Research Institute (ICAR), Mannavanur, Kodikanal	24-01-2020 & 25-01-2020
5	III B.Sc./15	Nilgiri Biosphere Nature park, Anaikatti	31-01-2020

25th January 2019

Industrial visit to SACON

The Department Organized a “Industrial visit to SACON” for II BSc students on **19th July 2019**. Dr. K. Manimekalai and Dr. S.G. Antony Godson, Assistant Professor, Department of Biotechnology, accompanied the students. Dr. P. Pramod, Principal scientist of Salim Ali Centre for Ornithology & Natural History, Coimbatore was deployed by the institution for the guidance



Dr. P. Pramod delivering lecture and the II BSc student and accompanying faculty at the portrait at SACON

19th July 2019

Industrial visit to ICAR

The Department, Hindusthan College of Arts and Science, Coimbatore Organized a “Industrial visit to ICAR” for III BSc Students on **19th July 2019**. Mr. P. Sanjay kumar and Ms. J. Niranjana, Assistant Professor, Department of Biotechnology, accompanied the students. Dr.

G Nagarajan, Senior Scientist, Animal Biotechnology, Central Sheep & Wool Research Institute (ICAR), Kodikanal, Dindigal from the center guided them for effective intellectual learning



II MSc and accompanying faculty at **ICAR** and **Dr. G Nagarajan**, Senior Scientist delivering lecture

24th January, 2020

Industrial visit to Yercaud Biotech

The Department, Hindusthan College of Arts and Science, Coimbatore Organized a “Industrial visit” for I BSc Students to Yercaud Biotech, Salem on **24th January, 2020**. Dr. K. Manimekalai and Mrs. G. Brindha, Assistant Professor, Department of Biotechnology, accompanied the students



I BSc students at Yercaud Biotech, Yercaud, Salem

25th January, 2020

Industrial visit to Nilgiris

The Department, Hindusthan College of Arts and Science, Coimbatore Organized a “Industrial visit” for the students of III BSc on **25th January, 2020** to Nilgiris, Annaikatti. Dr. G. Rajalakshmi, Associate Professor and Head, Dr. P. Senthilkumar, Dr. K. Mohammad Rafiqkhan Associate Professor, Department of Biotechnology, accompanied the students



Students and accompanying faculty members at Nilgiris

24thJanuary, 2020

Industrial visit CSWR

The Department, Hindusthan College of Arts and Science, Coimbatore Organized a “Industrial visit” for IIBSc Students on **24thJanuary, 2020**. Dr. S.G. Antony Godson and Ms. J. Niranjana, Assistant Professor, Department of Biotechnology, accompanied the students



II BSc students at Central Sheep & Wool Research Institute

31st January, 2020

Industrial visit Kerala

The Department, Hindusthan College of Arts and Science, Coimbatore Organized a “Industrial visit” for III BSc students on **31st January, 2020** to Biodiversity embarked territory in Kerala. Mr. P. Sanjay kumar, and Ms. J. Niranjana Assistant Professor, Department of Biotechnology, accompanied the students



III BSc Biotechnology students enthralled to visit Environmentally significant place

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Interdepartmental activities (2019-20)

S.No	Name of the exhibitions/seminars/training	Date
1	Career Guidance	18-06-2019
2	Phytochemicals Functional Foods Development and Biotech Start-Ups	11-07-2019
3	Gender Equity	05-08-2019
4	Cervical cancer	17-09-2019
5	Bioinformatics and the tools and its applications	23.09.2019
6	An overview of Molecular Markers and their applications	24.09.2019
7	Vermicomposting	25.09.2019
8	Organic Farming	26.09.2019
9	Importance of Medicinal Plants	27.09.2019
10	Corporate readiness and Unlimited possibilities	27.09.2019
11	Waste Water Treatment	27.09.2019
12	AIDS Awareness	01-12-2019
13	Role play for Gender sensitization	08-01-2020
14	Webinar session on challenges and opportunities in Microbiology and Biotechnology	05-05-2020
15	Host immune response for effective removal of viral infection	12-05-2020
16	Science Trends “CoVID-19: A Global Scenario	11-05-2020

Dr. Govindarajan T Ramesh, Professor and Director in charge, Centre for Materials Research and Biotechnology College of Science and Technology, Norfolk State University, was the Chief Guest and delivered a special talk on “**Career Guidance**” on 18th June 2019



Dr. Govindarajan T Ramesh conducting an interactive session with students and research scholars

The Department, Hindusthan College of Arts and Science, Coimbatore organized a **Guest Lecture** on “**Gender Equity**” programme in the College premises held on 05-08-2019.



Advocate, **Mrs. M. Vennila** while delivering her speech on **Gender Equity**

The Department, Hindusthan College of Arts and Science, Coimbatore organized in association with **Rotary Club of Coimbatore Central** and **Rotaract club of HICAS**(Rotary International District-3201) An Awareness Lecture on ‘**Cervical Cancer**’ in the College premises held on **17-09-2019**



Dr. Meera Krishna, M.D. D.G.O, Director **CORD Siruvani**, and **Dr. Radha Ramani**, Co-Founder-Sankara Eye Hospital and others

An interdepartmental **DBT STAR College scheme** lecture series was convened as a one-week Programme from 23.09.2019 to 27.09.2019. The following lecture series has been organized by The Department



The faculty members of PG and Research Department of Biotechnology charged on **DBT One-week Lecture series**

An interdepartmental essay and poem writing competition in Tamil and English languages on “AIDS Awareness” was conducted by PG & Research department of Biotechnology on world AIDS day, December 1st 2019.



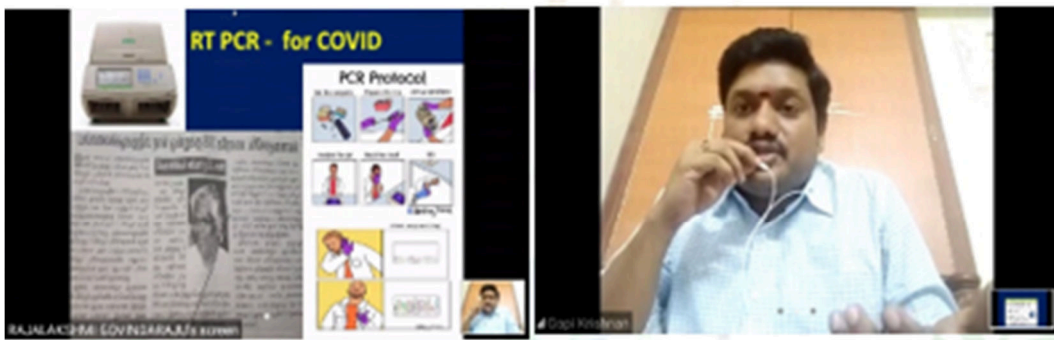
Glimpses from the Prize Distribution ceremony

The Department, Hindusthan College of Arts and Science, Coimbatore Organized ‘Role play for Gendersensitization’ in the department on 08th January 2020. The chief Guest Mr. T. Thilipkumar, Drama Artist, Associate professor and Head, Dept of Languages was on board along with student artists presented and performed drama on ‘How sensitive about girls in conventional and contemporary society’



Drama artists portraying alongside the organizing team

The Department in association with PG and Research department of Microbiology, Hindusthan College of Arts, Coimbatore jointly organized ‘Webinar session on challenges and opportunities in Microbiology and Biotechnology’ over online software platform “Zoom Cloud Meeting: Basic plan” held on 05 May 2020 for one hour from 12 Noon to 1 PM



Dr. V. Gonikrishnan, Scientist C, Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology delivering lecture

The PG and Research department of Computer science, Mathematics, Biotechnology and Microbiology, Hindusthan College of Arts, Coimbatore jointly organized ‘**Webinar session on Science and Technology Trends: “Host immune response for effective removal of viral infection”**’ over online software platform “**Zoom Cloud Meeting**” held on **12 May 2020 from 10 am to 11 am**



Dr. Mathivanan Jothi, Assistant Professor, Department of Human Genetics, NIMHANS, Bengaluru, delivering lecture through webinar mode

The Department of Computer science, Mathematics, Biotechnology and Microbiology, Hindusthan College of Arts, Coimbatore jointly organized ‘**Webinar session on Science Trends “CoVID-19: A Global Scenario”**’ over online software platform “**Zoom Cloud Meeting**” held on **11 May 2020 from 10 am to 10.40 am**



Dr. Krupakar Parthasarathy, Scientist D, Sathyabama university delivering lecture through webinar mode

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List of New Practicals introduced in different departments during **2019-2020**

S. NO	PRACTICALS	CLASS
1	Meiosis	I BSc
2	Karyotyping- Demo	
3	Complement fixation test	II BSc
4	Transformation.	III BSc
5	PCR	
6	Pure culture and Screening of Potential Microbe.	
7	Use of the isolates for Enzyme production- amylase and proteases.	
8	Qualitative analysis of Phytochemicals	
9	Evaluation of antimicrobial activity of plant extracts	

DEPARTMENT OF BIOTECHNOLOGY

Outreach activities (2019-2020)

RURAL IMMERSION AND COMMUNITY ENGAGEMENT IN IMPROVING RURAL EDUCATION

The Department of Biotechnology, Hindusthan College of Arts & Science, Coimbatore organized a “**Rural Immersion and Community Engagement in Improving Rural Education**” from **13-17 August 2019**. **Dr. G. Rajalakshmi**, Head of the Department welcomed the gathering. Smt. Sarasuwathy Khannaiyann, Managing Trustee and Dr. Priya Satishprabu, Executive Trustee and Secretary, Hindusthan Educational and Charitable Trust felicitated the programme. **Dr. A. Ponnusamy**, Principal of the College Presided the event. **Mrs. S. Rajalakshmi**, Chairman, Nature Science Foundation Coimbatore introduced the Chief Guests. As a part of the Programme, various topics dealing with the Curriculum design, bridging the gap between rural settings, Understanding Child Psychology, Community engagement and Development were discussed. As a Part of the Programme, the Faculty members and Researchers visited Perur Chettipalayam Village in Coimbatore where, Resource Mapping performed to assess in subject to various key factors to improve Community Development. **Dr. Mohammed RafiqKhan**, Assistant Professor of Biotechnology rendered the Vote of Thanks.



Rural Immersion and Community Engagement in Improving Rural Education at Perur Chettipalayam

DBT STAR COLLEGE SCHEME ‘ONLINE CAMPAIGN AGAINST CORONA VIRUS’

The MSc and BSc students of PG and Research department of Biotechnology, Hindusthan College of Arts, Coimbatore organized ‘**Online campaign against corona virus**’ held on **28th April 2020**. The pandemic ‘Covid-19’ has triggered a massive wave and placed a vested interest upon educationists and scientists to take forward positive measures likely to prevent or control our self from it. In view of that, our college, **Smt. Sarasuwathy Khannaiyann**, Managing Trustee and **Dr. Priya Satishprabu**, Executive Trustee and Secretary, Hindusthan Educational and Charitable Trust, and **Dr. A. Ponnusamy**, Principal of the College, initiated the awareness campaign by **Dr. G. Rajalakshmi**, Professor and Head of

the Department and their stakeholders i.e. faculty members of the department and students have contributed by carrying awareness message showing placard and video and audio method of spreading awareness.

தமிழகத்தின் செய்திச்சாரல்
RNI No. TNTAM/2019/77288

5 மொழிகளில் கொரோனா விழிப்புணர்வு ஒலிநாடா இந்துல்தான் கல்லூரி உருவாக்கி உள்ளது

கோவிட நவ இந்நிலை அருகே உள்ள இத்தல்தான் கலை மற்றும் அறிவியல் கல்லூரியில், இளம்வய வயிர் தொழிந்நுட்பவியல் துறையில் புது டெல்லியில் அறிவியல் மற்றும் தொழிந்நுட்ப அமைச்சுத்தல்தின், நட்சத்திர கல்லூரி இட்டதல்தின் கிழ், 5 மொழிகளில், கோவிட்-19 கொரோனா வைரஸிலிக்கு தடுப்பு முறைகள் என்ற தலைப்பில், விழிப்புணர்வு ஒலிநாடாவை இத்த துறையினர் உருவாக்கியுள்ளனர். இதில் கொரோனாவைதல்தின் தள்ளவும், பாதுகாப்பு முறைகள், பாரம்பரிய உணவு, நோய் எதிர்ப்பு போன்ற பல்வேறு கருத்துக்களை பரிந்துள்ளனர். மத்திய மற்றும் மாநில அரசுகளின் விழிப்புணர்வு பிரச்சார கொள்கைகளையும் அதன் மகத்துவத்தையும் மாணவர்கள் தங்கள் விட்டியிலிந்தபடியும், பதாதைகள் மூலம் பின்பற்ற வலியுறுத்தல்தினர் இத்த ஒலிநாடா தற்போது மூலதல்தின் வலைதல்தல்தின் மிகவும் வேகமாக பரிந்துபட்டு வருகிறது. (01.05.2020)

Glimpses of our department students exhibited their creativity on spread awareness campaign against corona pandemic, published across various newspapers

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Student activities (2019-2020)

S. No	Programme title/company name	Duration
1	Abbes Biotech, Coimbatore	25-04-2019 to 10-05-2019 (15 days)
2	Advanced Molecular Techniques	01-07-2019 to 02-07-2019
3	Model presentation exhibited by the students of II BSc	09-07-2019
4	Model presentation exhibited by the students of III BSc	18-07-2020
5	Workshop on commercial mushroom cultivation -a hands-on training	21-08-2019
6	CODISSIA: National Science and Technology Fair 2019	29-08-2019 to 31-08-2019
7	Model presentation exhibited by the students of I BSc	06-09-2020
7	Bioinstrumentation and Molecular Techniques	09-09-2019
8	DBT STAR College One Day Workshop on Plant Tissue Culture	23-09-2019
9	DBT STAR College One Day Workshop on Plant Tissue Culture	12-10-2019
10	DBT Sponsored One day Entrepreneurial Guidance Workshop on “Vermicomposting”	03-10-2019
11	Abbes Biotech, Coimbatore	21-11-2019 to 30-11-2019 (15 days)
12	Centre for Bioscience and Nanoscience Research, Coimbatore	21-11-2019 to 05-12-2019 (15 days)
13	Two Days Hands-On Training On ‘R’ Programming	11-12-2019 to 12-12-2019
14	DBT star college sponsored Hands- on training on “Basics tools in Bioinformatics	18-12-2019
15	Centre for Bioscience and Nanoscience Research, Coimbatore	08-01-2020 to 22-01-2020 (15 days)
16	Medical Coding Training by Meditech Solution	27-01-2020 to 30-03-2020
17	Intellectual Property Rights (IPR)	21-02-2020
18	Chromatographic Techniques	26-02-2020
19	Immunological Techniques-Complement Fixation Test	27-02-2020
20	National Science day on Women in science	28-02-2020

The Department Organized a **DBT Star College sponsored workshop on “Advanced Molecular Techniques** “exclusively for II BSc Biotechnology students in the department on **01th& 02nd July 2019**. Chief Guest: **Dr. V. Saravana perumal, Director, ABBES Biotech Private Limited,**

Chennai, handled the hands-on training on ‘**Protein fingerprinting**’ during the first day of the workshop. On second day, he handled session on ‘**RAPD & RFLP**’ Techniques. The chief Dr. V. Saravana perumal presented certificates to participants.



Dr. V. Saravana perumal, Director, ABBES Biotech Private Limited, Chennai, handling the hands-on training to II BSc students

The Department Organized a “**Model Presentation**” for all the **UG course students** in the Department adjudicated by faculty members from other Department.



Dr. Manivannan fetching view on showcased model presentation prepared by III BSc students



Dr. Vanitha, Assistant professor, Department of Microbiology, conducted to adjudicate the presentation

The Department in association with Microbiology and Electronics, Hindusthan College of Arts and Science Organized a **Workshop on Commercial Mushroom Cultivation -A Hands-On Training** in the College Premises on **21st August 2019**. The programme was convened by **Mrs. Brindha G, Assistant Professor, Department of Biotechnology** and coordinated by **Mr. Vikraman A and Vijiya Kumar G** and governing body, members, and volunteers. The programme began with a prayer song followed by **Ms. Krishna P Nair** addressed the participants and gathering by welcoming them. **Ms. Smrithi S** Introduced the Chief Guest **Mr. P Aruchamy**, Proprietor, Silver Star Mushroom, Pollachi.

The Chief Guest conducted Hands-on Training for the participants, the later was recognized with certificate by the former. The programme was marked with an end by vote of thanks from **Mr. Mahalingam A.** Students and enthusiasts from other departments, and colleges took part and learnt the techniques effectively to suit themselves an entrepreneur in the society. The department and the funding organization, **Hindusthan College of arts and sciences** helped the participants to facilitate themselves to become a professional and in return participants had shown gratitude.



Chief Guest and Organizing Team in the portrait with respective lecture and hands-on session

The Department Organized ‘**Bioinstrumentation and Molecular Techniques**’ in the department on **09th September 2019**. There are 15 students of **Government college of Coimbatore**, Coimbatore came down all the way in order to enthral academically accompanied by two faculty from the college. **Dr. G. Rajalakshmi**, Head, Department of Biotechnology, aspired them by imparting a contemporary scientific learning tool to serve such as ‘**Molecular Markers**’ and **Dr. Mohammed RafiqKhan K**, Assistant Professor, Department of biotechnology equipped with ‘**Bio instrumentation**’ working principles, application employed in various fields in biotechnology.



Dr. G. Rajalakshmi and Dr. Mohammed RafiqKhan K charged on hands-on training

The Department Organized a “**DBT STAR College One Day Workshop on Plant Tissue Culture**” for **III BSc students** of PG and Research Department of Microbiology in the department on **23rd September 2019**. **Dr. G. Rajalakshmi**, Head, Department of Biotechnology inaugurated the presentation, **Dr. S. Komathi**, **Dr. P. Senthil kumar**, Associate professor, and **Dr. Mohammad Rafiqkhan R.** Assistant Professor Department of Biotechnology conducted workshop to explore various aspects of plant tissue culture for about an hour following which hands-on training was held. Students enjoyed it thoroughly inquired more on it to sharpen themselves in plant tissue culture. 60 participants were gathered to learn the techniques



Dr. P. Senthil kumar, Associate Professor performing plant tissue methodology to the students

The Department Organized a **“One Day Workshop on vermicomposting”** for III UG students of BSc Information Technology, and Computer science on 03rd October 2019. **Dr. G. Rajalakshmi, Head, Department of Biotechnology** inaugurated the presentation, **Dr. S. S. Antony Godson, Ms. J. Niranjana**, Assistant professor, of Department of Biotechnology conducted workshop to explore various aspects of vermicomposting process, and how to become a successful entrepreneur in organic farming, and guided them about various available loans for about two hours following which demonstrated and exhibited various key understanding regarding vermicomposting was held. Students enjoyed it thoroughly inquired more on it to sharpen themselves in plant tissue culture. 31 participants were gathered to learn the techniques



Dr. S. G. Antony Godson and Ms. J. Niranjana conducting methodology on vermicomposting process and delivering lecture to the students

The Department in association with VJ Biotech, Coimbatore, organized two days **‘Hands-on Training on ‘R’ Programming’** for IMSc students from 11-12-2019 to 12-12-2019. **Dr. S. Suganya**, Assistant Professor of Statistics, PSG College of Arts and Science, Coimbatore, conducted the workshop. The vote of thanks was delivered by Dr. P. Senthilkumar, Associate Professor, Department of Biotechnology. There were 31 Students of IMSc and Faculty members participated in the workshop.



The chief guest and organizing committee posing at the time of certificate distribution

The Department organized a **DBT star college sponsored Hands- on training on “Basis tools in Bioinformatics”**. The students of **III UG, PG and Research Department of Biotechnology** took part in the training undertaken by **Dr. Shanthipriya, Assistant Professor, Department of Microbiology and Bioinformatics, CMS College of Science and Commerce, Coimbatore** on 18th December 2019. **Mrs. Sarasuwathy Khannaiyann, Managing Trustee, Hindusthan Educational and Charitable Trust** and **Dr. Priya Satishprabu, Executive Trustee and Secretary, Hindusthan Educational and Charitable Trust** felicitated the programme. Presidential Address was delivered by **Dr. A. Ponnusamy, Principal of the College**. **Dr. G. Rajalakshmi, Head, Department of Biotechnology**, welcomed the gathering. As the part of the I session of the training programme Dr. Shanthipriya gave a presentation about the various bioinformatics tools that are free- accessible and the students were made to understand the basics and usages of those tools through hands-on training at the II session. At the end of the training programme, certificates were distributed to the students. Over 60 students participated in the event.



III UG students with **Dr. Shanthipriya**, during group photo session and certificate distribution.

The Department organized Training Programme on Medical Coding in association with **Meditech Solution**, Coimbatore as value added course for III BSc students **27-01-2020 till 27-02-2020**. **Mrs. Sangeetha, Human anatomy Trainer, Mr. Vignesh, co-partner, Mr. Balaji, Soft skill trainer, Meditech solution, Coimbatore** are scheduled to train the students towards placement opportunities available through campus interview.



Mr. Balaji, Soft skill trainer, Meditech solution, Coimbatore gave away training

A one-day state level workshop was conducted on the topic **“Intellectual Property Rights (IPR)”** on **21st February 2020** by the Department. Students from many colleges in Tamilnadu attended the workshop. The program planned as two sessions was conducted by **Mrs. Bindu Sharma**, founder

and CEO of Origin IP Solutions, Bangalore and **Dr. T. Parimelazhagan**, Professor, Department of Botany, School of Life Sciences, Bharathiar University, Coimbatore respectively. The workshop was aimed to enlighten the students about IPR and to convey about the possibilities open for them to fetch patents and copyrights for their research. The morning session taken over by **Mrs. Bindu Sharma** gave students an overall idea about patenting process and various categories of patenting. The afternoon session conducted by **Dr. T. Parimelazhagan** explained more about the technical aspects of IPR. Both speakers urged students to convert their research into something beneficial to the society and how to earn after getting their works patented.



Mrs. Bindu Sharma and Dr. T. Parimelazhagan along with Head of Department of Biotechnology, Dr. G. Rajalakshmi and participants during workshop.

A one-day in house workshop was conducted on the topic “**Chromatographic Techniques**” on **26st February** by **Abbes Biotech, Private LTD, Chennai**, for I UG students of PG & Research Department of Biotechnology. It was very helpful for the students to understand the procedures of Chromatography through the hands-on session, which will be helpful for them in the coming years.



I UG Students attending work shop on “Chromatographic Techniques” at UG lab.

A one-day in house workshop was conducted on the topic “**Immunological Techniques- Complement Fixation Test**” on **27th February 2020** by **Abbes Biotech, Private LTD, Chennai**, for II UG students of PG & Research Department of Biotechnology. It was very helpful for the students as

they experienced a hands-on session on Complement fixation test which will be helpful for them in the future.



II UG students attending workshop on “Immunological Techniques-Complement Fixation Test”

A one-day state level intercollegiate competition was conducted on National Science day, **28th February, 2020** by the Department. **Prof. Dr. Ragunathan**, Director, Centre for Biosciences & Nanoscience Research, Coimbatore, who gave a lecture based on the National science day theme “**Women in Science**”.



Participants from various colleges competing for various events during National Science Day Celebrations and Chief guest Lecture about “Women in Science”.

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Training received by faculty during 2019-2020

S.No	Name of the staff	Name of the programme/Paper	Date
1	Mrs. G. Brindha and Ms. J. Niranjana	ICT Tools for Teaching and Learning on Kahoot App', 'Google Class room', and 'Screen Omatic, HICAS Technomindz	01-07-2019 to 02-07-2019
2	Dr. G. Rajalakshmi	Public Financial Management System (PFMS)-Expenditure Advance Transfer-Eat Module, Kongunadu arts and science college, Coimbatore	30-07-2019 to 31-07-2019
3	Dr. G. Rajalakshmi, Dr. S. Komathi, Dr. P. Senthilkumar, Dr. Antony Godson, and Dr. V. Vijayalakshmi	IIT- Bombay Online Tutorial	12-07- 2019
4	Dr. K. Manimekalai	Animal Cell Techniques, SCIGEN Research and Innovation Pvt. Ltd, Tanjore	13-09-2019 to 14-09-2019
5	Mrs. G. Brindha	Skill empowerment on milky mushroom Skill empowerment production technology. Dept of Pathology, Tamilnadu Agricultural University	01-10-2019
6	Dr. G. Rajalakshmi, and Dr. S. Komathi	NTA NET/TN SET Paper I-2k19, Dept of Commerce PA and AF, HICAS	19-11-2019
7	Dr. S. G. Antony Godson & Ms. J. Niranjana	Biofertilizers and biocontrol agents in forestry' at Institute of Forest Genetics and Tree Breeding (IFGTB), Indian council of Forest Research and Education, Forest Campus, Coimbatore	18-12-2019 to 20-12-2019
8	Dr. D. Bharathi, Dr. G. Rajalakshmi and Dr. S. Komathi	Optimization and production of lipase enzyme from bacterial strains isolated from petrol spilled soil from Journal of King Saud University	2019
9	Dr. P. Senthilkumar	Antiangiogenic, anti-inflammatory and their antioxidant activities of <i>Turnera subulata</i> Sm. (<i>Turneraceae</i>). From Process Biochemistry.	2019
10	All faculty	New Promising Health Care Protocols	21-01-2020
11	All faculty	"BIOSUMMIT 2020" - International Conference on "Exploring Microbes for Therapeutic Purposes"	04.02.2020

A Faculty and students of the Department, Hindusthan College of Arts and Science, attended **“One Day National Seminar cum Workshop attended on Production Technology on Mushroom”**. A 15 Number of II UG students, and one faculty Mrs. G. Brindha, Assistant Professor, Department of Biotechnology at Tamil Nadu Agriculture University, Coimbatore on **01st October 2019**



Dr. G. Brindha and Students of II BSc Biotechnology portray in the photo inset alongside organizer and participants of various institutes

Three days Lecture cum training session on Biofertilizers and biocontrol agents in forestry’ at Institute of Forest Genetics and Tree Breeding (IFGTB), Indian council of Forest Research and Education, Forest Campus, Coimbatore from **18 to 20th December 2019**. Dr. S.G. Antony Godson and Ms. Niranjana, Assistant Professor, Department of Biotechnology, attended the event.



Dr. S. Murugesan, Director of the Institute delivering inaugural address to the participants

The Department, Hindusthan College of Arts and Science, Coimbatore in association with AIMST University, Malaysia, organized Webinar based International Symposium on ‘New Promising Health Care Protocols’ for the students of Department of Biotechnology on 21st January 2020.



Prof YD Singh, Prof PK Rajesh, Prof D Dr Prem Kumar and Dr Cyril Natarajan, Faculty of Medicine of **AIMST University, Malaysia** delivered lecture

The Department in association with department of Microbiology, Hindusthan College of Arts and Science organized an International Conference on **“Exploring Microbes for Therapeutic Purposes (ICEMTP 2020)”** here in the College premises on **04-02-2020**. Dr. Nguyen Khoi Nghia, Associate Professor, Department of Soil Science, College of Agriculture, Can Tho University, Vietnam, Dr. G.

Rajivgandhi, Post-Doctoral Researcher, Department of Microbiology, School of Life Sciences, Sun Yat-Sen University, Guangzhou, Guangdong Province, China, Dr. N. Manoharan, Associate Professor, Department of Marine Microbiology, Bharadhidasan University, Tiruchirapalli were invited chief guests



The chief guest with the principal in the photo inset