



ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

Accredited by the NAAC with 'B' Grade
Vaniyambadi - Tamil Nadu

PG DEPARTMENT OF BIOCHEMISTRY

REPORTS

INTERNATIONAL CONFERENCE

TOPIC OF THE EVENT: Current Perspective of Material Science in Biology

DATE: 08-01-2020

VENUE: Seminar Hall

The international conference was jointly organized by the Department of Biochemistry, Chemistry, Food and Nutrition On 09.01.2020 Around 250 Students and Research scholars participated in the event. The first technical session was handled by Prithiviraj Nagarajan, Senior Scientists, Toxicology and pharmacology, School of Medicine, China. He briefed on about his research paper on Stem cells regeneration of Star fish, he also talked about regeneration of salamander. He enlightened us on gene ratio of various organisms.

The second technical session was handled by Dr. Senthil Kannan, Director (R&D), Vice Principal, G.S.Pillay Arts and Science College, Nagapattinum, lectured on "Application of Material Science in Biology" He explained about nanoparticles in elaborate, study on crystals, radiography and thin films are explained The program was concluded by distributing certificates to the participants.

INTERNATIONAL CONFERENCE

TOPIC OF THE EVENT: RECENT ADVANCES IN BIOTECHNOLOGY (ISRAB-2020)

DATE: 09-01-2020

VENUE: Seminar Hall

The international conference was jointly organized by the Department of Biotechnology, on 09.01.2020 126 Students participated in the event. The first session was handled by Prithiviraj Nagarajan, Senior Scientists, Toxicology and pharmacology, School of Medicine, China. He briefed on about his research paper on Stem cells regeneration of Star fish, he also talked about regeneration of salamander. He enlightened us on gene ratio of various organisms.

The second session was handled by Dr. Senthil Kannan, Director (R&D), Vice Principal, G.S.Pillay Arts and Science College, Nagapattinum, lectured on “Application of Material Science in Biology”. He explained about nanoparticles in elaborate, study on crystals, radiography and thin films are explained. Following Students three students won the prizes for oral (Y.FARIQA) and poster (SHEEBA SUMAN.C, MADIHA MUSKAN.C.P) presentations. The program was concluded by distributing certificates to the participants.

INTERNATIONAL WORKSHOP

TOPIC OF THE EVENT: ADVANCED BIOINFORMATICS, BIOLOGICAL DATABASE AND GENOMICS

DATE: 11-01-2020

VENUE: Seminar Hall

The international workshop was jointly organized by the Department of Biochemistry On 11.01.2020, 137 Students participated in the event. The first technical session was handled by Dr. Inamul Hassan madar, onco-genomics Scientists, and center for proteogenome research Korea University, South Korea. He briefed on about his research paper and related to cancer gene analysis. Dr.Habeeb. SKM, Associate Professor, Department of Genetic Engineering, Kattankulathur campus, SRM Institute of Science and technology Chennai, Ms.Ghazela sulthan, professional genome informatics trainer and research scholar, department of biotechnology, and computer science, Aligarh muslim university, Aligarh are also teach about the bioinformatics tools (BLASTA, FASTA, PDB).

The program was concluded by distributing certificates to the participants.

DMLT CONVOCATION PROGRAMME REPORT

Department of Biochemistry Organized Diploma Course for our college students its **PGDIPLOMA MEDICAL LAB TECHNOLOGY** First Batch of 19 Students passed out. Convocation for passed out students of PGDMLT held on 11.01.2020 Dr. T. Zahidha Parveen MBBS, Ikram Hospital, Vaniyambadi Distributed the Diplomas to the students and also best students (F. MADIHA FARHEEN SHAIK, T. LUBNA AAFREEN, P.MUSFIRAH BARHEEN) of their batch were honoured by Trainer **B.James Ponnudurai**, Director Principal, RBM Institute of Clinical Technology, Vellore.

FREE CARDIOLOGY MEDICAL CAMP PROGRAMME

Department of Biochemistry and Nutrition organized the one day Cardio- Medical Camp in association with Madras Medical Mission (MMM) conducted a camp on 15/02/2020 at 8.00 am nearly 100 out patients were screened for Blood Pressure, Blood Sugar, Height, Weight, Echo-Cardiogram were utilized and benefited by this camp. 19 student volunteers, staff members along with Dr. Mullahsaree Ajith and his team members were actively involved in this camp.

SMALL SCALE INDUSTRIAL VISIT

Industrial visit provides the essential components of academic updating of the students. It is included in syllabus as it enhances the students regarding emerging branches and applications of the Course foods and nutrition. Industrial visit organized for the Department of Nutrition (133) and Biochemistry (44) students to visit different places like AVR Dairy Industry and AVM Jaggery Industry, Vellakuttai, Tirupattur District.

NATIONAL LEVEL WEBINAR

TOPIC OF THE EVENT: Immunity and Immune Booster

Date: 10 June, 2020

Technology: Google Meet

PG Department of Biochemistry organized National Level Webinar. The resource person are **Dr.M.Suriyavathana**, Associate Professor, Department of Biochemistry, Periyar University, Salem, addressed the students and other college participants on the topic Immunity and its types, and **Ms.A.T.Shanthi Cauvery**, Consultant Dietician, Founder and Managing Director, Elite Diet Studio, Chennai, addressed the students on the topic Immune Booster. Not only our college students even other college students participated in this webinar and got benefited.

WORKSHOP

TOPIC OF THE EVENT: Mushroom Cultivation

Date: 11.02.2021

Venue: Seminar Hall

PG Department of Biochemistry organized workshop on the topic “**Mushroom cultivation**” and the resource person was Dr. A.LIYAKATH ALI., MSc., M.Phil., PhD., Member syndicate, Head, Associate professor, PG and Research Department of Biochemistry, Islamiah college (Autonomous), Vaniyambadi. Resource Person explained about Method of Mushroom cultivation and nutritional aspects of it. Trainer Maria Ruben demonstrated the sterilization of straw and packing of spawn of mushroom in aseptic manner. Around 70 students got practical training on how to do Mushroom Cultivation.

NATIONAL LEVEL SEMINAR

TOPIC OF THE EVENT: Transplantation

Date: 18.02.2021

Technology Used: Google Meet

PG Department of Biochemistry has organized National Level Seminar. The resource persons are **Dr. ISHTHIAQUE AHAMED., MBBS., MD., DM**, Senior Consultant, Head of the department of Nephrology, Transplant Physician, Narayana Hrudayalaya Health Center, Bangalore and **Dr. SACHIN UTTAM CHAVRE., MBBS.MS., Mch.**, Consultant Plastic surgeon, Narayana Hrudayalaya Health center, Bangalore. The sessions was very interesting and we got very good feedback from the participants.

WEBINAR

TOPIC OF THE EVENT: Obesity

DATE: 30 September, 2021

MODE: Online (Google Meet)

PG Department of Biochemistry and the Foods and Nutrition organized a National Level Webinar. Dr. Ayesha Noor, Associate Professor at the Centre for Bioseparation Technology (CBST), Vellore Institute of Technology (VIT), Vellore, delivered a speech on obesity, types of obesity, and its complications, as well as associated disorders. Dr. A. Balakrishna, a Research Scientist in New Product Development at Sampharma Labs Private, Bangalore, delivered a speech on the development of herbal products to treat obesity. The information shared by the resource person was very informative, and students benefitted from the session.

WEBINAR

TOPIC OF THE EVENT: Scope of Medical Coding

DATE: 12 October, 2021

MODE: Online (Ms-Teams)

PG Department of Biochemistry and the Foods and Nutrition organized a National Level Webinar. The resource person was Ms. A. Regina Elizabeth, Head Trainer at Ideal Medical Coding Academy, Coimbatore. The information shared by the resource person was very informative, and students benefitted from the session.

INTERNATIONAL VIRTUAL CONFERENCE

TOPIC OF THE EVENT: Cancer Therapy

DATE: 23 October, 2021

MODE: Online (Ms-Teams)

PG Department of Biochemistry and the Foods and Nutrition organized an International Virtual Conference. The keynote speaker was Dr. Arvind Deshmukh, Professor & Head of the Department of Microbiology at Dr. Babasaheb Ambedkar Marathwada University, Osmanabad, and President of the Microbiological Society of India. Dr. N. Rajesh Kar, Consultant and Clinical Radiation Oncologist at Saveetha Dental College, Chennai, addressed the students on the topic of cancer, its types, prognosis, and treatment methods. Dr. Kavitha Manivannan, Genetic Analyst at

Tharb Camel Hospital, Qatar, addressed the students on cancer genetics, the molecular basis of cancer, and its identification methods. The sessions were very informative and useful for students.

WEBINAR

TOPIC OF THE EVENT: Molecular Tools and Techniques in Life Cycle

DATE: 27 October, 2021

MODE: Online (Ms-Teams)

PG Department of Biochemistry and the Foods and Nutrition organized a webinar. The resource person was Dr. M. Abareethan, Assistant Professor in the Research Department of Zoology at Government Arts College, Salem. He addressed the students on the specified topic. The information shared by the resource person was very informative, and students benefitted from the session.

FIELD VISIT

DATE: 22 December, 2021

PLACE: Yelagiri Herbal Garden

PG Department of Biochemistry organized a field visit, during which PG students went along with faculty members from the department. The visit arranged by the department proved to be highly beneficial, allowing students to gain knowledge about various herbs.

INTERNATIONAL CONFERENCE

TOPIC OF THE EVENT: Research Tools and Techniques

DATE: 29 December, 2021

MODE: Online (Ms-Teams)

PG Department of Biochemistry and the Foods and Nutrition organized a one-day International Conference. The resource person was Dr. Hajee Zahera Jabeen, Senior Scientist at Exxon Mobil Research and Engineering, New Jersey, USA. She addressed the students on the specified topic. The information shared by the resource person was very informative, and students gained insights into research tools and techniques.

FIELD VISIT

DATE: 02 January, 2022

PLACE: KRP Dam, Krishnagiri

PG Department of Biochemistry and Foods and Nutrition organized a field visit, with UG Biochemistry and UG & PG Foods & Nutrition Department students joining faculty members from these departments. The visit, arranged by the departments, proved highly beneficial.

AWARENESS PROGRAM

TOPIC OF THE EVENT: Deworming

DATE: 16 March, 2022

VENUE: Seminar Hall

PG Department of Biochemistry and the Foods and Nutrition organized an awareness program. The resource person was Dr. Netaji, MD, from Government Hospital, Vaniyambadi. He addressed the students on the specified topic, and the distribution of Albendazole tablets was done to the students. The information shared by the resource person was very informative, and students gained insights.

AWARENESS PROGRAM

TOPIC OF THE EVENT: Health and Hygiene

DATE: 10 May, 2022

PG Department of Biochemistry, in collaboration with NSS, organized an Awareness Program for the school children at Municipal Muslim Boys Primary School, Vaniyambadi. The session focused on educating students about basic food groups, hand sanitation, and other healthy habits, proving to be highly beneficial for the school students.

CONVOCATION CEREMONY FOR DIPLOMA IN MEDICAL LAB TECHNOLOGY

DATE: 16 May, 2022

VENUE: Seminar Hall

PG Department of Biochemistry organized a Convocation for the DMLT Course in collaboration with the RBM Institute of Clinical Technology for the II Batch students. Dr. M. Priyalakshmi, Senior Assistant Surgeon from Ambur, graced the occasion as the chief guest. She

addressed the students on the significance and opportunities within Medical Lab Technology, and also distributed diplomas to the graduates.

INDUSTRIAL VISIT

DATE: 25 May, 2022

PLACE: Hatsun Dairy Industry

PG Department of Biochemistry and Foods and Nutrition organized an Industrial Visit. Faculty from these departments accompanied students to the Dairy Industry at Kolasanahalli to observe Milk Processing, Quality Analysis, and Production processes. This visit proved highly beneficial for the students.

WORKSHOP

TOPIC OF THE EVENT: Microscopic Liquid Biopsy of Cell, Cast and Crystal

DATE: 02 June, 2022

VENUE: Seminar Hall

PG Department of Biochemistry organized one day workshop for PG Students on the specified topic. Mr. James Ponnudurai, Director, RBM Institute of Clinical technology was the resource person. He shared his valuable knowledge on the specified topic and the workshop was very informative for the students.

ASSOCIATION MEET & VALEDICTORY FUNCTION

Date: 01 July, 2022

VENUE: Seminar Hall

PG Department of Biochemistry and Foods and Nutrition organized a function featuring Dr. M. Renu, Principal of Islamiah Women's Arts & Science College in Vaniyambadi, as the resource person. She delivered a motivational speech on life skills and elaborated on the opportunities available for students in Biochemistry and Nutrition. Additionally, prizes were distributed to students who participated in various departmental competitions to encourage their engagement and efforts.

AWARENESS PROGRAM

TOPIC OF THE EVENT: Lactogogues And Lactating Women

DATE: 05 July, 2022

VENUE: Seminar Hall

PG Department of Biochemistry organized an Awareness Program with Dr. Zahida Praveen as the resource person. Her talk on the specified topic was very useful to the students. Both UG and PG students from the department participated in the awareness program and gained knowledge, as the program was very informative.

HERBAL GARDEN VISIT

DATE: 02 September, 2022

PLACE: Dr. Akbar Kausar's Herbal Garden

PG Department of Biochemistry and Foods and Nutrition students, along with department faculty, visited the Herbal Garden in Vaniyambadi. Dr. Akbar Kausar delivered a lecture about different herbs and their medicinal values to around 300 students. The visit was very useful, and after the visit, students were highly motivated to conduct research on medicinal plants.

AWARENESS PROGRAM

TOPIC OF THE EVENT: Deworming Day and ICDS Anemia

DATE: 09 September, 2022

VENUE: Auditorium

PG Department of Biochemistry organized an Awareness Program. The Chief Guests for the event were Ms. J. Jayalakshmi, Joint Director, ICDS, Chennai, Ms. N. Stella, District Project Officer, ICDS, Tirupattur, Ms. Premalatha, Revenue Divisional Officer, Vaniyambadi, and Dr. S. Pasupathi, Block Medical Officer, GH Alangayam, who served as the resource persons. The talks by the resource persons were very informative, and students benefited from the program.

DMLT ORIENTATION PROGRAMME

DATE: 13 September, 2022

VENUE: Semiar Hall

PG Department of Biochemistry organized a one-day DMLT Orientation Program. Mr. James Ponnudurai, RBM Institute of Clinical Technology, Vellore was the resource person and addressed the students on the scope of DMLT, career opportunities, curriculum overview, and provided hands-on experiences related to laboratory techniques. These components significantly

enhanced the learning experience, helping students make informed decisions about their academic and career paths.

AWARENESS PROGRAM

DATE: 20 September, 2022

PLACE: Mandarakuttai Village, Alangayam

Final year Biochemistry students, along with faculty from the department, visited an Elementary School in Alangayam to create awareness. One group of students focused on raising awareness about hookworm, discussing its symptoms, and providing preventive measures. Another group of students explained anemia and dietary guidelines to the schoolchildren. Additionally, blood grouping was conducted for the students. The program was highly beneficial for the school students.

AWARENESS PROGRAM

TOPIC OF THE EVENT: Breast and Uterus Cancer

DATE: 06 October, 2022

VENUE: Seminar Hall

PG Departments of Biochemistry & Foods and Nutrition organized an Awareness Program featuring Dr. J.S. Malliga, MD (O&G), Senior Oncologist from Adyar Cancer Research Institute, Chennai, as the resource person. She spoke about topics related to breast cancer, mutations in the BRCA gene, and the myths and realities surrounding breast cancer. The talk by the resource person on the specified topic was very informative for all the participating students.

MEDICAL CAMP

DATE: 03 December, 2022

VENUE: Auditorium

PG Department of Biochemistry organized a Free Medical Camp in association with MGM Health Care, Chennai. The medical camp included screening of patients for height, weight, blood pressure, hepatic infection, and screening by specialists such as Cardiologists and Orthopedics. Nearly 100 participants benefited from this medical camp.

HEMOGLOBIN ESTIMATION CAMP

DATE: 20 March, 2023

VENUE: Biochemistry Lab

PG Department of Biochemistry organized a camp for first-year students from various departments. Several students registered for screening, revealing 14 students with a normal hemoglobin range of 12-14g/dl, 17 students with a hemoglobin range of 9-12g/dl, and nearly 14 students with anemic hemoglobin range of 7-9g/dl. The anemic students were provided with awareness about anemia.

WORKSHOP

TOPIC OF THE EVENT: Mushroom Cultivation

DATE: 21 March, 2023

VENUE: Seminar Hall

PG Department of Biochemistry organized a workshop where Dr. A. Liyakath Ali, Former Syndicate Member, Head of PG and Research Department of Biochemistry at Islamiah College (Autonomous), Vaniyambadi, served as the resource person. He explained mushroom cultivation, its nutritional and commercial value. Trainer Maria Ruben demonstrated the sterilization of straw, packing of spawn, and storage of packed material for the growth of mushrooms in a sterile manner. Approximately 169 students participated, gaining hands-on training and benefiting from the program.