

International Symposium on Advance in Laboratory techniques for biomedical applications

1. Name of the Activity/Event: “International Symposium on Advance in Laboratory techniques for biomedical applications”
2. Resource Person: Prof. E.M. Shankar, Dr. N. Muruganandam, Dr. Saravanan Matheshwaran, Prof. Pachamuthu Balakrishnan, Dr. S. Gowtham Kumar
3. Date of the event: 31.01.2024
4. Total number of Participants: 250
5. Brief Summary of the Activity: The Department of Biomedical Science organized an “International Symposium on Advance in Laboratory Techniques for Biomedical Applications”. Sr. Prof. G. Ravi, Vice Chancellor, presided over the function. He also spoke about the applications of biomedical science and recent techniques used in the laboratory. Dr. K. Langeswaran, Assistant Professor & Head i/c, welcomed the gathering. Prof. C. Sekar, Member of Syndicate, delivered the inaugural address. Sr. Prof. J. Jeyakanthan, Dean, Faculty of Science, gave the felicitation address. Five invited talks were delivered by experts on 31st January. All the resource persons delivered the talk about recent techniques used in biomedical applications. Students also understand medical implants including their uses and the development of materials for biomedical applications. In addition, Participants also to learn diagnose and treat illnesses and diseases through conducting scientific tests on human fluids, cells, and tissue samples within a laboratory. Nearly 250 participants were beneficiaries of this program. A discussion session followed in which students of the department interacted with the resource person and got clarifications for their doubts. All the students actively participated in this session and had their queries clarified by the Resource Person. Participants gained the Animal handling and dissection methods. The event concluded with a valedictory session by Prof. A. Senthilrajan, Registrar.



National Seminar on Cancer Prevention and Management on the occasion of World Cancer Day-2024

1. Name of the Activity/Event: “National Seminar on Cancer Prevention and Management on the occasion of World Cancer Day-2024”
2. Resource Person: Dr. Subbiah Shanmugam & Dr. Priya Ramanathan
3. Date of the event: 05.02.2024
4. Total number of Participants: 150
5. Brief Summary of the Activity: The Department of Biomedical Science organized a “National Seminar on Cancer Prevention and Management on the occasion of World Cancer Day-2024”. Sr. Prof. G. Ravi, Vice Chancellor, presided over the function. He also spoke about cancer prevention and its therapy. Dr. K. Langeswaran, Assistant Professor & Head i/c, welcomed the gathering. The goal of the Cancer Prevention and Control Program is to prevent and control cancer by identifying factors that contribute to cancer development and outcomes and conducting interventions to address these factors. It has been recognized for many years that cancer risk is determined by the interaction of lifestyle factors and genetics. Identifying lifestyle factors such as tobacco use and excess body weight that contribute to cancer

and intervening appropriately has been proven to significantly impact the cancer burden. The goals of the Cancer Prevention and Control Program are to Identify lifestyle, environmental, and genetic risk factors in the aetiology of cancer, Assess the patterns of care received by patients with cancer to identify effective strategies to improve patient outcomes, Conduct and evaluate lifestyle behavioural interventions for cancer prevention and control. Nearly 150 participants were beneficiaries of this program. A discussion session followed in which students of the department interacted with the resource person and got clarifications for their doubts. All the students actively participated in this session and had their queries clarified by the Resource Person. The event concluded with a valedictory address by Prof. A. Senthilrajan, Registrar.







Scientific Lecture

1. Name of the Activity/Event: Scientific Lecture on “Animal handling and CCSEA guidelines on animal handling in Biomedical Research”

2. Resource Person: Dr. D. Ezhilarasan

3. Date of the event: 05.01.2024

4. Total number of Participants: 38

5. Brief Summary of the Activity: The Department of Biomedical Science organized a Special Lecture on “Animal handling and CCSEA guidelines on animal handling in Biomedical Research”. Dr. K. Langeswaran, Assistant Professor & Head i/c, presided over the function. Dr. D. Ezhilarasan, Nominee, CCSEA, Professor, Department of Pharmacology, Saveetha Dental College & Hospital delivered a Special Lecture on Animal handling and CCSEA guidelines on animal handling in Biomedical Research. He briefly explained the basics of Animal handling and guidelines. After the lecture, he also did a live demo of animal dissection and injection of drug methods. Nearly 38 participants were beneficiaries of this program. A discussion session followed in which students of the department interacted with the resource person and got clarifications for their doubts. All the students actively participated in this session and had their queries clarified by the speaker. Participants gained the Animal handling and dissection methods. The event concluded with a vote of thanks.





Scie

ntific Lecture

1. Name of the Activity/Event: Scientific Lecture on “Campus to Corporate: Opportunities for Biomedical Sciences Entrepreneurship to Unleash the Power of Innovation”
2. Resource Person: Dr. Aravindh Selvaraj
3. Date of the event: 01.11.2023
4. Total number of Participants: 52

5. Brief Summary of the Activity: The Department of Biomedical Science organized a Special Lecture on “Campus to Corporate: Opportunities for Biomedical Sciences Entrepreneurship to Unleash the Power of Innovation”. Dr. K. Langeswaran, Assistant Professor & Head i/c, presided over the function. Dr. Aravindh Selvaraj, Founder & Executive Director, of ELIES Biotech Pvt Ltd, delivered a Special Lecture on Opportunities for Biomedical Sciences Entrepreneurship. He briefly explained the basics of entrepreneurship and the challenges of becoming an entrepreneur. He narrated some success stories of achievers to motivate students to become professionally competent persons. Also gave fruitful ideas and hints for developing entrepreneurship. Nearly 52 participants were beneficiaries of this program. Students gave positive feedback and asked for more such programs in the future. Participants gained the entrepreneurial skills essential for being self-employed. The event concluded with a vote of thanks.



Scientific Lecture

1. Name of the Activity/Event: Scientific Lecture on “Key skill sets to choose the right biomedical career for your future”

2. Resource Person: Dr. V. Naveen Kumar

3. Date of the event: 13.10.2023

4. Total number of Participants: 53

5. Brief Summary of the Activity: The Department of Biomedical Sciences organized a seminar on “Key skill sets to choose the right biomedical career for your future” on 13th October 2023. Dr. K. Langeswaran, Assistant Professor & Head i/c, presided over the function. Dr. V. Naveen Kumar, Founder & Managing Director, ImmuGenix Biosciences Pvt Ltd, Chennai delivered a special lecture on numerous career opportunities in the biomedical field and essential skills needed for success in a biomedical career. Biomedical scientists conduct scientific and laboratory research to support the diagnosis and treatment of human disease. You will test, analyze, and review fluids and body tissue to advise medical practitioners. Depending on your specialism you will need to understand areas such as anatomy, physiology, genetics, microbiology, mathematics, and psychology. Students asked their queries to the speaker in the question-answer session. Dr. K. Langeswaran appreciated and congratulated the Guest speaker for the enthusiastic session and presented a memento of appreciation to the guest speaker. The event concluded with a vote of than
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Special Lecture

1. Name of the Activity/Event: Special Lecture on Genomic Medicine – An update

2. Resource Person: Dr. S. Gowtham Kumar

3. Date of the event: . 30.08.2023

4. Total number of Participants: 47

5. Brief Summary of the Activity: The Department of Biomedical Science organized a Special Lecture on “Genomic Medicine – An update” on 30th August 2023. Dr. K. Langeswaran, Assistant Professor & Head i/c, presiding over the function. Dr. S. Gowtham Kumar, Associate Professor, Faculty of Allied Health Sciences, Chettinad Academy of Research and Education, Chettinad University, Chennai delivered a Special Lecture on Genomic Medicine – An update. He explained the current trends in genomic medicine. He also narrated genetic disorders and how to prevent and manage inherited diseases. A discussion session followed in which students as well as scholars of the department interacted with the resource person and got clarifications for their doubts. All the students actively participated in this session and had their queries clarified by the speaker. The Programme was beneficial to them. The event came to an end with a vote of thanks.





Spe

Special Lecture

1. Name of the Activity/Event: Special Lecture on The Movement of Heart “(Describing The Systemic Function and Circulation
2. Resource Person: Dr. G. Geevaprabhakaran
3. Date of the event: 03.08.2023
4. Total number of Participants: 48
5. Brief Summary of the Activity: The Department of Biomedical Science organized a Special Lecture on “The Movement of Heart “(Describing the Systemic Function and Circulation” on 3rd August 2023. Dr. K. Langeswaran, Assistant Professor & Head i/c, presiding over the function. Dr. G. Geevaprabhakaran, Chairman - Vasuganesan Group of Clinics, Former, Sr, Registrar-Apollo Hospital & Family Physician

Chettinad Super Specialty Hospital, delivered a Special Lecture on The Movement of Heart “(Describing the Systemic Function and Circulation. He explained the systemic function of the human heart and its regulations. He also narrated how blood circulates into our body and how to maintain blood pressure in detail. A discussion session followed in which students as well as scholars of the department interacted with the resource person and got clarifications for their doubts. All the students actively participated in this session and had their queries clarified by the speaker. The Programme was beneficial to them. The event came to an end with a vote of thanks.



Village Extension Programme - 2023

1. Name of the Activity: Village Extension Programme (VEP)

2. Date of the event: 30.10.2023

3. Total number of Participants: 25

4. Coordinator: Dr. K. LANGESWARAN

5. Brief Summary of the Activity: The Department of Biomedical Science was assigned a village called 'Athangudi' located 24 km away from the Science Campus. The ultimate objective of this programme was to emphasize the importance of education, women empowerment, environmental pollution, health, and nutrition. The rally was to create awareness about the importance of cleanliness in daily life, education of children, higher education, avoiding the usage of plastic, and planting trees. Students also emphasized the importance of personal hygiene and a green and plastic-free environment. Then the students surveyed the village to learn about the quality of life and family structure of Athangudi Panchayat people. The Department of Biomedical Science along with four faculty members have participated in this event at Athangudi Village.

5. Outcome: The outreach programme intended to communicate proper awareness to the people about personal hygiene, green and plastic free environment, the quality of life and family structure of Athangudi Panchayat people.





Village Extension Programme - 2022

1. Name of the Activity: Village Extension Programme (VEP)
2. Date of the event: 10.03.2022 To 12.03.2022
3. Total number of Participants: 25
4. Brief Summary of the Activity: Department of Biomedical Science was assigned a village called Kothari, near Pallathur located in Sivaganga District which is a socially and financially deprived hamlet. About 25 students (both boys and girls) at studying first year post-graduate programmes in the Department of Biomedical sciences along with four faculty members have participated in this event at Kothari Village. All the students were divided into groups and started the Cleaning (Solai andavar vithyasalai School (SAV)). They started cleaning the plastic wastes, thorny bushes, unwanted grasses, and other unwanted wastes in and around the school.
5. Outcome: The outreach programme intended to communicate proper knowledge to the people about the importance of prevention of diseases and environmental protection in Kothari Panchayat.

