

Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with 'A+' Grade by NAAC. Recognised by UGC under Section 12B

Coimbatore - 641 043, Tamil Nadu, India

DEPARTMENT OF BIOCHEMISTRY, BIOTECHNOLOGY AND BIOINFORMATICS

Details of the Seminars, Workshops, Conferences and Training Programmes Organized (2015 – Till Date)

S.No	Event Organized	Title of the event	No. of inside and outside participants	Source of funding received	Outcome of the event	Start date/ Period of the event	Name of the Chief guest
1.	International Virtual Workshop	Cell Culture Basic Design, Conduct and Analysis in association with NDSU North Dakota State University	171		The objective of this workshop is to impart knowledge and techniques related to animal culture growth and analysis.	15.9.2021	Dr. Sathish Venkatachalem, Associate Professor and Co-Director, DaCCoTA CTR Pilot Projects, Program Co-Director, CDTSPC COBRE Department of Pharmaceutical Sciences, North Dakota State University, Fargo, USA Dr. Lizhi Pang, Department of Pharmaceutical Sciences, North Dakota State University, Fargo, USA
2.	Workshop	Ten-day online workshop/Internship on Bioinformatics	53		This workshop has given a clear idea of the various databases and Computer Aided Drug Discovery using free online tools	12.7.21 to 21.7.21	Dr. N. Santhi and Dr. M. Rajeswari Assistant Professors, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
3.	Workshop	One day workshop on “Basic Immunological Techniques”	9	UGC	The main objective of the workshop was to impart knowledge and provide hands-on-training on basic immunological techniques to research scholars of the Department of Biochemistry, Biotechnology and	11.03.2020	Dr.S.Vijaya Kumar Managing Director VJ Biotech Coimbatore

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					Bioinformatics in immunology, immunoblotting& ELISA. Further, it helps the students to have a clear idea on the basics of immunological techniques which will enable them to increase their knowledge in research fields.		
4.	Workshop	Foldscope as a research tool	280	Department of Biochemistry, Biotechnology and Bioinformatics	This workshop demonstrated the preparation of Foldscope and using the same for taking photographs during bioprocesses	9.3.2020	Dr.B.Prakash Associate Professor and Head, Department of Biotechnology Vel's Institute of Technology, Chennai
5.	National conference	“Environment and Biosciences”	350	UGC sponsored	The main objective of the Conference is to foster the environmental research to all the bioscience scholars.	20.02.2020 -21.02.2020	Dr.S.Kowsalya, Registrar, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore Mr. B. Saravanan Chief Coordinator Siruthuli Noyyal Life Centre, Coimbatore Dr. M. B. Viswanathan Professor, Department of Botany, Bharathidasan University, Tiruchirapalli. Dr.K. Pakshirajan Department of Biosciences and Bioengineering

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							<p>IIT Guwahati.</p> <p>Dr.G. Pugazhenth Professor, Department of Chemical Engineering IIT, Guwahati.</p> <p>Dr.Venkata Raghava Mohan, Professor, Community Medicine, Christian Medical College, Vellore.</p> <p>Dr. G. Srinivas, MBBS, MD, Professor & HOD, Epidemiology Department, DR.MGR Medical University, Chennai.</p> <p>Dr. M. Rajkumar Professor, Department of Environmental Sciences, Bharathiar University, Coimbatore</p>
6.	National Symposium	Career Prospects in Biosciences	280	DST CURIE	The main objective of the symposium is to make the students, research scholars and faculty to gain knowledge about the various options for their career. Further it paves a clear path to the participants on what should be done to bridge the gap between their academic syllabus and industrial needs.	21.01.2020	<p>Dr. M.Vasanti, Vice Principal, Kamraj Engineering College, Madurai</p> <p>Ms. Sruthi Babu, BIRAC, Coimbatore</p> <p>Dr. Sardar Hussain, Associate Professor and Head, Department of Biotechnology, Government Science College, Chitradurga, Karnataka</p> <p>Mrs. Priya Sundarajan, Training Manager, Eppendorf, Chennai.</p>
7.	Workshop	Molecular Modelling	16	Department of	Focused the role of recent	17.10.2019	Dr.N.Santhi and Dr.M.Rajeswari

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		and Drug Designing		Biochemistry, Biotechnology and Bioinformatics	bioinformatics tool in drug discovery	- 18.10.2019	Assistant Professors, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
8.	Workshop	Molecular Modelling and Drug Designing	16	Department of Biochemistry, Biotechnology and Bioinformatics	Focused the role of recent bioinformatics tool in drug discovery	20.09.2019 - 21.09.2019	Dr.N.Santhi and Dr.M.Rajeswari Assistant Professors, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
9.	Workshop	Basic Techniques in Biosciences Research	19	ARL Lab, Department of Biochemistry, Biotechnology and Bioinformatics	Highlighted the various biotechnological techniques	20.8.2019 - 21.8.2019	Dr.R.Nirmaladevi, Dr. S.T. Yamuna and Dr.E.Nithya Assistant Professors, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
10.	National seminar	Industry Institute Interaction in Biosciences	300	DST CURIE	The Conference emphasized on Career planning and the importance of SWOT analysis, the triangle of success and also the values of skills, attitude and knowledge.	14.03.2019	Dr.Senthil Duraisamy, Founder and Managing Director, Pharmagenica Health care Private Ltd, Bengaluru. Mr. Mohamed Arif, Managing Director, CEO and Research Head, Phytospecialities Private Ltd, Chennai, Dr.Dinesh Velayutham, Scientist, Agrigenome Private Ltd, Kochi. Dr.Roshin Elizabeth, Research Director, BIOVENT, University of Kerala,

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							Mr.Sujith Eranezhath, Assistant Director and Scientist, Arya Vaidya Pharmacy Research Centre, Coimbatore Dr.Suresh Govindam, Research Head, Arya Vaidya Nilayam, Madurai.
11.	Workshop	Basics in Animal Tissue Culture for students of Shri Sakthi Institute of Engineering and technology, Palladam	23	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	This workshop focused the layout of ATC, demonstration of Sterilization techniques, Preparation of powder media and Filtration techniques	03.06.2019 – 08.06.2019	Dr.P.R.Padma, Professor Dr.S.Sumathi, Dr.R.Nirmaladevi, Dr.D.Kavitha, Assistant Professors and Mrs.S.Sivapriyadharshini Research Scholar, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
12.	International Conference	Expanding Horizons in Health Disease & Pharmaceuticals- E(H) ² DP –	600	UGC	Highlighted the recent biomedical research through poster and oral presentations	21.2.2019 - 22.2.2019	Dr. G. P. Jeyanthi Director, Research and Consultancy Dr. P. R. Padma Dean School of Bioscience, Professor and Head, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore

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							<p>Dr.Natarajan Muthusamy, Professor of Medicine,Department of Internal Medicine, The Ohio State University, Ohio, USA</p> <p>Dr.Pradeep C Vasudevan, Professor & Consultant, Department of Clinical Genetics, University of Leicester & Leicester Hospitals, UK.</p> <p>Dr.Balamurugan Periaswamy, Research Scientist, Genome Institute of Singapore, Singapore</p> <p>Dr.Rajesh Ramaswamy, Associate Professor, Department of Pathology, Faculty of Medicine and Health Sciences, University Putra Malaysia</p> <p>Dr.Raj Bhaskaran, Consultant, Osage Biotech LLC, Berger, USA. Visiting Professor, Savannah State University, Georgia, USA.</p> <p>Dr.Hari Thrivikramji, CEO, Hari & Co, Biotech & Healthcare Consultant, Medical Doctor, Associate Director, Global Strategic Marketing, Division of Bayer Pharmaceuticals, UK.</p> <p>Dr.Mubarak Ali, Visiting Research Fellow, Centre for Surface Technology and Applications (CeSTA), Korea Aerospace University, Republic of Korea.</p> <p>Dr. Rishi Manivannan, Research</p>

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							<p>Division, The Arya Vaidya Pharmacy Ltd., Coimbatore.</p> <p>Dr. S. A. Hafiz, Medical Superintendent, General Hospital, Executive Director Kerala State Health Service, Thiruvananthapuram.</p> <p>Dr. Prasanna Ramani, Associate Professor, Department of Sciences, Amrita Vishwa Vidhyapeetham, Coimbatore</p> <p>Dr. Mukesh Doble, Professor (Emeritus), Department of Biotechnology, IIT Madras, Chennai</p> <p>Dr. R. Baskar, Associate Professor, Department of Biotechnology, Kumaraguru College of Technology, Coimbatore</p>
13.	Workshop	Advanced Techniques in Biosciences	25	ARL Lab, Department of Biochemistry, Biotechnology and Bioinformatics	Highlighted the various biotechnological techniques	10.12.2018 - 12.12.2018	<p>Dr. S. Gayathri Devi Professor</p> <p>Dr.Kalaiselvi Senthil, Dr. N. Santhi Dr. A. Shobana, Dr. M. Rajeswari, Dr. D. Kavitha, Dr. R. Nirmaladevi and Dr. S. Sumathi</p> <p>Assistant Professors, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher</p>

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							Education for Women, Coimbatore
14.	International Symposium	Trends in Tackling Tenacious Diseases	250	SBC, Coimbatore chapter	The symposium highlighted the techniques of high throughput proteomics and pharmacogenomics strategies in managing cancer . The causes of anti-microbial resistance and its preventive measures were explained	10.08.2018	<p>Dr.Viji M.Draviam Sastry, Senior Lecturer, School of Biological and Chemical Sciences, Queen Mary University of London, London.</p> <p>Dr.Kumarappan Chithamparam, Associate Professor (Pharmacology), College of Pharmacy, King Khalid University , Abha Saudi Arabia.</p> <p>Dr. Kamashi Kumar, Associate Professor, Pharmacology Department, School of Veterinary Medicine, St. George's University, Grenada, West Indies</p>
15.	Workshop	Advanced Flow Cytometry – Module 2	8	-	The participants have obtained knowledge on the working with cancer cell line groups to find the stage of cell cycle arrest along with the data analysis.	17-02-2018 to 19-02-2018	<p>Dr. P.R. Padma, Professor and HOD, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education For women, Coimbatore</p> <p>Dr. Ayyavu Mahesh, Director of AMI Biosciences, Coimbatore</p> <p>Dr S.Sumathi, Assistant professor, Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education For women, Coimbatore</p>

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16.	Training cum Workshop	Training cum Workshop on Basics of Animal Tissue Culture	50		The students were able to gain knowledge on sterilization process, culturing requirements, Primary, secondary cultures, Maintenance, and passage of cell lines	29.01.2018 to 20.02.2018	Dr. P.R. Padma, Professor and HOD, Dr S.Sumathi, Dr. R.Nirmaladevi, and Dr. D. Kavitha, Assistant professors, Ms. C.Azhagumeena, Mrs. S.J.S.Banupriya, Ms. A.Poornima and Ms. K.Ramya, Research Scholars Biochemistry, Biotechnoogy and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education For women, Coimbatore.
17.	Workshop	Flow Cytometry – Module	9	-	The participants gained knowledge on the application, calibration and working of Flow Cytometry	25-01-2018 to 27-01-2018	Dr. Ayyavu Mahesh, Director of AMI Biosciences, Coimbatore Dr S.Sumathi, Assistant professor, Biochemistry, Biotechnoogy and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education For women, Coimbatore
18.	National seminar	Current Approaches in Proteomics	300	UGC, SBC, Coimbatore chapter and Indian Academy of Biomedical Sciences	Highlighted the role Bioinformatics in proteomics field	20.12.2017	Dr.Saikat Chakraborti, Scientist, Indian Institute of Cancer Biology, CSIR, Kolkata. Dr.P. Sunderesan. Senior Scientist, Department of Genetics, Aravind Eye Hospital, Madurai. Dr.P. Karthe, Professor and Head, Department of Crystallography and Biophysics, Madras University,

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							Chennai Dr. K.Vallikannu Research Officer, Velammam Research Institute, Madurai
19.	Internship	Animal Tissue Culture and Drug Designing	8		The participants acquired knowledge on Extract preparation, qualitative and quantitative analysis of phytochemicals, sterilization techniques and MTT and SRB assays using cell lines	02.06.2017 to 16.6.2017	Dr.P.R.Padma, Professor Dr.S.Sumathi, Dr.R.Nirmaladevi and Dr.D.Kavitha Assistant professors, Department Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education For women, Coimbatore.
20.	Inter College Meet	Biociencia2K17	300	Students of Biochemistry, Biotechnology and Bioinformatics	Imparts the Students to expose their intellectual ability	06.10.2017	Dr.S. Annapurani Professor and Head and Dr.S. Sumathi Assistant Professor, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.
21.	International Conference	Herbal and Natural Components as the Future of Pharmacology	506	UGC, CSIR, NSE	The conference had a total of 18 scientific sessions on Ethnomedicine and Ethnopharmacology- the present scenario and future perspectives, Pharmacological effects of medicinal plants and their mechanism of action,	27.2.17- 1.3.17	Dr. Muhammad Sasmito Djati, Vice Chancellor, Brawijaya, Malang, Indonesia Padma Shri Dr. P Pushpangadan, Amity Institute for Herbal and Biotech Products, Thiruvananthapuram. Dr. U.Raghurama Bhatta, Principal &

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					Phytochemical analysis and active component analysis, Evaluation of toxicity, safety and efficacy of medicinal plants, Validation of medicinal plants used in traditional medicine, Reverse pharmacologic approach to unravel the action of traditional medicine, Ethnopharmacology in drug discovery and Conservation and micropropagation of medicinal plants.		<p>Professor, Dept. of Dravyaguna Ayurveda, Coimbatore.</p> <p>Dr. P.K. Suresh, Professor Dept of Biomedical Sciences VIT University, Vellore</p> <p>Dr. Joni Kusnadi, University of Brawijaya, Malang, Indonesia</p> <p>Dr. Estri Laras, Professor, University of Brawijaya, Malang, Indonesia</p> <p>Dr. Vasanthi M, Vice Principal, Kamaraj College of Engineering, Virudhu Nagar.</p> <p>Dr. Vinodkumar T.G, Scientist, Thiruvananthapuram</p> <p>Dr. P. Rani, Professor, PSG College of Technology, Coimbatore</p> <p>Dr. Shubashini K. Sripathi, Professor, Dept of Chemistry, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore</p> <p>Dr.V. Ramamurthy, Professor and Head, PSG Institute of Medical sciences and Research, Coimbatore.</p> <p>Dr. S. Rajasekharan, FNSE, Jawaharlal Nehru Tropical and Research Garden, Thiruvananthapuram.</p> <p>Dr. J. Angayarkanni, Associate Professor, Bharathiar University</p>

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							<p>Coimbatore.</p> <p>Dr. K. Kalaivani, Associate Professor, Kongu Nadu College of Arts and Science, Coimbatore.</p> <p>Dr. Guruvayoorappan. C, Associate Professor, Regional Cancer Centre, Thiruvananthapuram.</p> <p>Dr. T P Ijinu, Young Scientist, Amity Institute for Herbal and Biotech Products, Thiruvananthapuram.</p> <p>Dr.N.Nalini, Professor, Department of Biochemistry and Biotechnology, Annamalai University, Chidambaram</p> <p>Dr. M. G. Sethuraman, Professor, Gandhigram Rural Institute, Gandhigram</p> <p>Dr. M. Navas, FNSE, Technical Officer, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Thiruvananthapuram.</p> <p>Dr. Varughese George, Director of Amity Institute of Phytochemistry & Phytomedicine, Thiruvananthapuram.</p> <p>Dr. R. Baskar, Associate Professor, Kumaraguru College of Technology, Coimbatore.</p> <p>Dr. N. Pooja, Arya Vaidhya Pharmacy, Coimbatore</p> <p>Dr. K. Kalaiselvi, Assistant Professor,</p>

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							<p>Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.</p> <p>Dr. Radha Palaniswamy, Assistant Professor, NGP College of Arts and Science, Coimbatore.</p> <p>Dr. Joni Kusnadi, Faculty of Agricultural Technology, Brawijaya, Indonesia</p> <p>Dr. Victor Arokia Doss, Associate Professor, Dept of Biochemistry, PSG College, Coimbatore.</p> <p>Dr. A.K.S. Rawat, Scientist and Head, CSIR, Lucknow</p> <p>Dr. V.K. Gopalakrishnan, Professor, Ethiopia</p> <p>Dr. S. Gayathri Devi, Associate Professor,</p> <p>Dr.S.Sumathi and Dr. R. Nirmaladevi, Assistant Professors, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore</p>
22.	Seminar	Leaps and leverages in Life Sciences	215	Association of Biochemistry, Biotechnology and Bioinformatics,	The seminar highlighted the recent biotechnological topics like DNA sequencing, gene mapping and gene expression	15.03.2017	<p>Dr. S. Ramalingam, Dean, PSG IMSR, Coimbatore.</p> <p>Dr. R. Sathish Kumar, Associate</p>

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				ADU, Coimbatore, Society of Biological Chemists, (Coimbatore Branch) Indian Academy of Biomedical Sciences	profiling for improving tree breeding of extinct varieties.		Professor, Bharathiar University, Coimbatore Dr. K. Suresh, SPC Clinic, Diabetes, Obesity Care, Coimbatore Dr. Jannet Vennila, Professor and Director, Karunya University, Coimbatore. Dr. R. G. Sharath Chandra, Assistant Professor, Department of Microbiology, Tumkur Univerisity, Bangalore. Dr. Modhumita Das Gupta, Scientist F, IFGTP, Coimbatore.
23.	Training Program-Cum workshop	Training Program-Cum workshop on Basics in Animal Tissue Culture	23		The participants had gained a thorough knowledge on the basic applications, Preparation of powder media Sterilization, staining techniques, and Preservation methods	13.02.2017 to 15.02.2017	Dr.P.R.Padma, Professor Dr.S.Sumathi, Dr.R.Nirmaladevi and Dr.D.Kavitha Assistant professors Mrs. Sivapriyadharshini Research Scholar Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education For women, Coimbatore.
24.	Hands-on training	Cell Cycle Analysis and Apoptosis assay	9	ARL Lab, Department of Biochemistry, Biotechnology and Bioinformatics	Highlighted the techniques of flow cytometer.	9.1.2017-10.1.2017	Mrs. Bhavani Gokulkumar, Application Specialist, BD Biosciences.

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25.	Seminar	Breakthrough & in Boulevards Bioscience	197	Association of Biochemistry, Biotechnology and Bioinformatics, ADU, Coimbatore, Society of Biological Chemists (Coimbatore Branch) Indian Academy of Biomedical Sciences	The seminar enlightened the various opportunities that are available both in India and abroad.	22.03.2016	Dr.Sindhu Sreejith, Vice President, Technical R & D, Arya vaidhya Pharmacy, Coimbatore Dr.S.Annapurani, Professor and Head Dr.P.R.Padma, Professor, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore Dr. Victor Doss, Associate Professor, Department of Biochemistry, PSG College of Arts and Science, Coimbatore Dr. N. Santhi, Assistant Professor, Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.