

VIF @ TANUVAS Newsletter

Annual edition April 2021 – March 2022

Message from Vice-Chancellor, TANUVAS



Veterinary Incubation Foundation (VIF) @ TANUVAS is a Section 8 company of Tamil Nadu Veterinary and Animal Sciences University, Chennai. Through funding support from the Entrepreneurship Development and Innovation Institute (EDII) a Government of Tamil Nadu undertaking. We are proud that VIF @ TANUVAS is the first of its kind in India can be exploited by start-ups for this purpose. At present 34 Start-ups were registered as Incubatee and undertaking their innovative research with VIF @ TANUVAS. Four start-ups received Innovative Voucher Programme (IVP) 'A' grant from EDII-TN for Rs.2.00 lakhs each, One Start-up obtained Rs.5.00 lakhs IVP 'B' grant and One Start-up company received Rs.49.00 lakhs BIG grant to support start-ups in animal health sector. TANUVAS has innovated many novel technologies that are commercially available. Now it is our turn to encourage innovators and Start-ups to visualize the demand for novel technologies and develop them into commercialize products. Lab, farm and clinical facilities of TANUVAS from DBT-BIRAC. I hope this newsletter will disseminate information on the ongoing activities of VIF @ TANUVAS and will benefit prospective Incubatees and all other stake holders in a great way.

Dr. K.N. Selva Kumar
Vice-Chancellor, TANUVAS

Project Screening and Review Committee Meetings Conducted

VIIIth Project Screening and Review Committee meeting held on 16th July 2021 and the following Start-ups were presented their innovative idea. The Committee has recommended for induction of the five start-ups at VIF @ TANUVAS. The Meeting Chaired by Dr.C.Balachandran Vice-Chancellor, TANUVAS with Dr.P.Tensingh Gnanaraj, Registrar, TANUVAS, Dr.G.Dhinakar Raj, Director Centre for Animal Health Studies, TANUVAS was convened the meeting.



List of Start-ups was presented

S. No	Representative	Start-up	Domain of interest
1	Dr.S.K.Das	Ecolift Technology LLP	Wealth from waste-fish/Plant waste for animal disease management
2	Mr.D.Nithyanand	JNR Industries	Egg Shell powder
3	Ms. A. Indhupriya	Milir Bio Products	Ready to eat curd rice prepared from Indigenous cow breeds
4	Dr. Aresh Kumar	Institute of Veterinary Medicine and Research	Nanoparticle based pain Killer/ Biomedical Instrumentation
5	Mr.C.Balasubramanian	Women SHG Enterprises	Milk Collection and Value addition

3rd Annual General Meeting of VIF @ TANUVAS

Third Annual General Meeting (AGM) of Veterinary Incubation Foundation @TANUVAS was held on 16th September 2021 in the conference hall of TRPVB, 2nd floor, CUL building.

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TANUVAS and Chairman
Advisory Board, VIF@TANUVAS



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ARIS Cell, Madras Veterinary College



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New Delhi



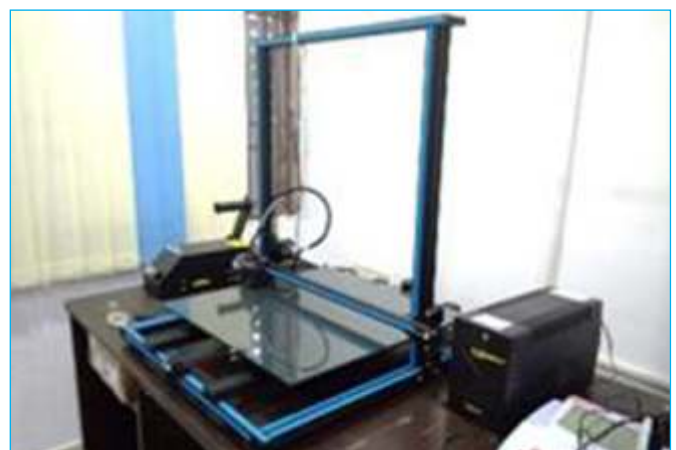
Dr. RAGUL PARAMASIVAM
Co-Founder & CEO
Chimertech Innovations LLP
Vellore

Dr.G.Dhinakar Raj, Project Coordinator, VIF@TANUVAS welcomed the gathering and presented the chronology of events leading to the establishment of VIF@TANUVAS. He also highlighted the project proposals sanctioned with funding support from EDII & BIRAC, he highlighted the activities of VIF@TANUVAS and the facilitation done to the Incubatees for implementation of their innovations. This included creation of the progressive livestock Farmers Network, Validation of Quadmastest, Muzzle imprinting technology validation at various constituent college of TANUVAS, conduct of awareness programs, Promotion of Vetpreneurship among students, Permission to incubates to use Institutional Biosafety Committee (IBSC) and Institutional Animal Ethical Committee (IAEC) of TANUVAS. The meeting ended with vote of thanks by Mr.N.Arulmani Chief Executive Officer Board of Director of VIF @ TANUVAS and Core committee of BioNEST Scheme and Special Invites are participated and given suggestions for improvement of activities and smooth functioning of VIF @ TANUVAS.



One day hands-on workshop on 3D printing technology

Veterinary Incubation Foundation @ TANUVAS organized the one-day hands-on workshop on '3D printing technology' on 02.07.2021 at VIF conference hall for prototyping medical devices. The online inaugural session was presided by Dr.K.N.Selvakumar, Hon'ble Vice-Chancellor of TANUVAS. In his presidential address, he highlighted the importance and applications of 3D printing technology in veterinary and animal sciences. Dr.N.K.Sudeep Kumar, Director of Extension Education, TANUVAS talked about the recent applications of 3D printing technology in veterinary medicine. Dr.G.Dhinakar Raj, Director, Centre for Animal Health Studies & Project Coordinator, VIF@TANUVAS emphasized that this work will benefit the participants to design prototypes in their respective domain of expertise. Dr. Ragul Paramasivam, Chief Executive Officer, Chimertech Innovations LLP and PhD from Monash University who has remarkable experience in 3D printing technology was the resource person for the workshop. This hands-on workshop is organized in batchwise with each batch consisting of maximum ten participants.



Creating Awareness on TANUVAS Technologies (CATT)

VIF@TANUVAS organized the virtual workshop on 19.08.2021 at VIF conference hall, the workshop entitled Creating Awareness on TANUVAS Technologies (CATT) chaired by Dr.K.N.Selvakumar, Hon'ble Vice-Chancellor of TANUVAS. Dr. N.K. Sudeep Kumar, Director of Extension Education, TANUVAS, Dr. G. Dhinakar Raj Director, Centre for Animal Health Studies & Project Coordinator, VIF@TANUVAS, Dr. Ragul Paramasivam, CEO, Chimertech Innovations LLP and Mr.N.Arul Mani Chief executive officer was participated in the inaugural session of the workshop. First batch have 40 persons participated and Phase II virtual workshop was conducted on 24.08.2021 at VIF conference hall second batch have 66 persons were participated.



Students Internship programmes

VIF@TANUVAS conducted internship training programme for the B.V.Sc. & AH final year students from Veterinary College and Research Institute, Tirunelveli, Namakkal, Orathanadu and Madras Veterinary College, Chennai in the following dates.

Date	College	No of Students
15.04.2021	VC & RI, Orathanadu and Tirunelveli	26
03.05.2021	MVC, Chennai and VC & RI, Namakkal	28
13.05.2021	VC & RI, Tirunelveli and Namakkal	28
17.05.2021	MVC, Chennai	28
03.06.2021	VC & RI Orathanadu	28



Workshop on Vetpreneurship opportunities at VIF@ TANUVAS

VIF@TANUVAS organized workshop on "Vetpreneurship opportunities for students at VIF@TANUVAS" at Constituent colleges of TANUVAS;

Veterinary College and Research Institute, Tirunelveli, Orathanadu, Namakkal, CPPM, Hosur, CFDT Koduvalli and Madras Veterinary College, Chennai. Dr.C.Soundararajan, Project Coordinator and Director, Centre for Animal Health Studies, TANUVAS acted as an Organizing secretary and Deans of respective colleges was acted as an Co organizing secretaries. Dr.C.Soundararajan, Project Coordinator, and Director, Centre for Animal Health Studies, TANUVAS, primed students about

opportunities for student at VIF@TANUVAS, Mr.N.Arul Mani, Chief Executive Officer, VIF@TANUVAS talked about “how to fund your startups?”. Participation certificates were issued to the students. Final year students submitted their ideas indicating the problem statement, their innovative solution along with its impacts, Ideas are evaluated by expert committee and innovative & feasible ideas addressing priority problems would be chosen for cash prizes

Date	College	No of Students	No of faculty
16.11.2021	VC & RI, Orathanadu	78	09
17.11.2021	VC & RI, Tirunelveli	80	10
18.11.2021	VC & RI, Namakkal	84	09
03.12.2021	CPPM, Hosur	35	05
06.12.2021	Madras Veterinary College	120	20
07.12.2021	CFDT, Koduvalli	40	15

VC & RI, Orathanadu



VC & RI, Tirunelveli



VC & RI, Namakkal



College for Poultry Production Management, Hosur



College for Food and Dairy Technology, Koduvalli



Madras Veterinary College, Chennai



9th & 10th Project Screening and Review Committee Meetings

IXth Project Screening and Review Committee meeting held on 24th January 2022 and Xth PSRC meeting held on 24.03.2022. Start-ups were presented their innovative idea. The Meeting Chaired by Dr.K.N.Selvakumar, Vice-Chancellor, TANUVAS, with Dr. P. Tensingh Gnanaraj, Registrar, TANUVAS,

Dr.C.Soundararajan Project Coordinator, VIF @ TANUVAS and Director Centre for Animal Health Studies TANUVAS was convened the meeting.



Induction of Incubatees - MoU exchange Programme

8th, 9th and 10th Project Screening and Review Committee approved Incubatees signing and exchanging the MoUs with TANUVAS. Dr.K.N.Selvakumar Vice-Chancellor, TANUVAS,

Dr.P.Tensingh Gnanaraj, Registrar, TANUVAS, Dr.K.Vijayarani, Director of Research, TANUVAS, Dr.C.Soundararajan Project Coordinator, VIF @

TANUVAS and Director Centre for Animal Health Studies were present during the MoU exchange programme.



Students Internship programmes

VIF@TANUVAS conducted internship training programme for the B.V.Sc. & AH students from Veterinary College and Research Institute (VC&RI), Tirunelveli, VC&RI, Namakkal, VC&RI, Orathanadu, Madras Veterinary College, Chennai.

Date	College	No of Students
15.04.2021	VC & RI, Orathanadu and Tirunelveli	26
03.05.2021	MVC, Chennai and VC & RI, Namakkal	28
13.05.2021	VC & RI, Tirunelveli and Namakkal	28
17.05.2021	MVC, Chennai	28





Experts Visit

Dr.S.Senthil Vinayagam, National Academy of Agricultural Research Management, Hyderabad visited VIF@TANUVAS and interacted with incubatees, and shared the existing support system for startups/incubatees under the schemes of BIRAC, NidhiPrayas, Seed supporting schemes, etc., on 25.11.2021 at VIF Conference room.



Dr.B.Murali Manohar, Former Director, Centre for Animal Health Studies, TANUVAS visited our VIF Incubator office and BioNEST laboratory facility on 15.03.2022.



Dr. Manish Diwan, Head – Strategic Partnership and Entrepreneurship Development, Biotechnology Industry Research Assistance Council (BIRAC), New Delhi visited and reviewed the BioNEST facility & on-going activities pertaining to the BIRAC funded Scheme at VIF @ TANUVAS on 28.03.2022.



BioNEST cluster Team visit

BioNEST cluster team was visited our newly renovated BioNEST laboratory facility and Host Institute facility. Cluster team comprising Crescent Incubation and Innovation Centre (CIIC), HITC Incubator of IIT Madras, Silver Jubilee Women's Biotech Park, Siruseri, Sastra University, Thanjavur, Ramachandra University, Porur and Anna University, Chennai Incubation Centre Officials.



BioNEST cluster Team visited our BSL 3 and other TANUVAS farm facilities



List of Incubatees Inducted in Veterinary Incubation Foundation @ TANUVAS (Under EDII & BioNEST funded Schemes)

S. No	Company	Domain of Interest	Type
1	Chimertech Innovation LLP, Vellore	Bead based delivery of vitamins and probiotics	Resident
2	Illume Gene India LLP, Bangalore	NGS based Genome test	Resident
3	Jeshron Biotech Solutions Pvt Ltd	Smart bandage for wound healing & Meat packaging	Resident
4	Ariviya, Chennai	Nano bio liquid against bovine mastitis	Resident
5	TranScience Innovative Technologies, Chennai	Canine Parvovirus vaccine (CPV-2b vaccine) commercialization	Resident
6	Dvara E-Dairy solutions Pvt Ltd	IoT device for animal health management	Resident
7	SCADA Geoinformatics Pvt Ltd. Chennai, Mr. Bhaskar	IoT for animal Health care	Resident
8	Praani Plus, Bangalore	Pet care services through app	Resident
9	M/s. Diagnomics (OPC) Pvt.Ltd., Chennai Mr. M. Venkatesan	Multiplex PCR kit for COVID-19 diagnosis	Virtual
10	M/s. Spark Biologics, Chennai Ms. Laalithya Kondure	Generation of mAb against SARS-CoV-2	Resident
11	M/s. Chimertech Education LLP, Vellore, Dr. Ragul Paramasivam	Novel multiplex PoC device for diagnosis of leptospirosis and Brucellosis	Virtual
12	Dr. T. Uma GA Biouram	Actinomycetes based vermicomposting	Virtual
13	Mr. Nayagam Chennai	Portable sanitizer dispenser	Virtual
14	Mr. A.S. Yuvaraj M/s. ASS Enterprises Tiruvallur	Sugar free chocolates enriched with omega 3 fatty acid and stevia sugar	Virtual
15	Mr. Ravi Krishnamoorthy/ M/s. Bonavi Foods Pvt.Ltd. Chennai	Chocolate added with spices	Virtual

16	Dr. Vijayalakshmi Annamalai	COVID-19 peptide vaccine and Diagnostic kit preparation	Resident
17	Mr. Fayaz Ahamed	Zip-suture development	Resident
18	M/s. Statlogic Mr. M.S. Vignesh	IoT devices	Virtual
19	M/s. Aggromalin Mr. M. Prasanna	Livestock farming facilitation	Virtual
20	M/S. Vanbro VET Technologies Dr. Velan Vaithilingam	IoT devices for animal health management	Virtual
21	Citrus Agrovet Mr. S. Arulmani & Mr. Durai	Herbal health mix and mineral mixture	Virtual
22	Mr. D. Nithyanand, JNR industries	Egg shell powder	Virtual
23	Dr. Aresh Kumar, IVMR	Nanoparticle based pain killer/Biomedical instrumentation	Virtual
24	Mr. C. Balasubramaniam, Women SHG Enterprises	Milk collection and value addition	Resident
25	Ms. A. Indhupriya, Coimbatore	Ready to eat curd rice prepared from indigenous cow breeds	Virtual
26	Mr. Sarath Babu Nagarajan	App based Telemedicine for animals	Virtual
27	Mr. A.Vijay M/s. Salem Microbes Pvt Ltd	Phage based mastitis control	Resident
28	Ms. K.T. Devikarani, Sri Gauvium A2 Agro Bio Private Limited	Milk products from indigenous cow breeds	Virtual
29	Mr. Kannan Ponnusami	House fly larvae-based protein for poultry food	Virtual
30	Dr. M. Sakthivadivel, M/s. SJKK BioSolutions	Herbal based cream for mosquito control	Resident
31	Mr.B.Senthil, Iyarkai Techlab Pvt Ltd	Milk quality management	Resident
32	Mr. Yesudas, Gebel Foods Pvt Ltd	Pet food	Virtual
33	Mass Biotech	3D Cell Culture Model Technology to screen anti-cancer drugs	Resident
34	Habbetat	Spray for Ectoparasite & Herbal shampoo for Cat and Dog	Resident

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