

# STAR COLLEGE REPORT FORMAT

2020-21

## 1. List of projects undertaken by students:

- a) A Pilot study of Gymnosperm diversity in PUC Campus, Aizawl Mizoram (1801BS 065, 074, 075, 080, 053)
- b) Impact of Plant age on physicochemical properties of soil in Oil Palm plantation (1801BS 045, 048, 062, 071, 042)
- c) Survey on Hydrophytes of Mizoram and Anatomical features of hydrophytes (*Alternanthera philoxeroides*; *Nymphoides indica*; *Hydrilla*) found in Tamdil and Rihdil lakes. (1801BS 011, 013, 015, 017, 019)
- d) Soil Physico-chemical properties in paddy fields of Reiek, Mizoram. (1801BS 010, 012, 014, 016, 018)
- e) To study algal diversity of Tlawng river, Mizoram. (1801BS 020, 022, 024, 026, 028)
- f) Collection of berries, fruits, vegetables, nuts and assessment on antimicrobial activity of common medicinal plants of Aizawl, Mizoram (1801BS 021, 023, 025, 027, 029)







2. **Industrial visits by students, summer training in last one year:** Despite communication for visit to Toklai tea Research center have been made, the same could not be implemented due to Pandemic Lockdown.

3. **Projects undertaken by Department:**

1. Assessment of ecological impact, economic viability and management of Oil Palm, <i>Elaeis guineensis</i> plantation in Kolasib District, Mizoram, India	GB Pant National Institute of Himalayan Environment and sustainable development	2019-2021	PI	Rs. 11, 99, 800/-
2. DBT-Boost to University Interdisciplinary Life Science Departments for Education and Research Programme (DBT-BUILDER),	Department of Biotechnology, Government of India	2021-2026	Co-PI	Rs. 1,52,17,520/-
3. DBT Star College Scheme	Ministry of Science & Technology, Department of Biotechnology, Government of India	2019-21	Co-PI	Rs. 53, 563,980/-
4. Sustainable management and utilization of non-timber forest products (NTFPs) of plant origin in Tawi wildlife Sanctuary	GB Pant National Institute of Himalayan Environment and sustainable development	2019-2021	Co-PI	Rs. 11, 96, 030/-

5. Technology development, management and long term monitoring of shifting cultivation in North east india	GB Pant National Institute of Himalayan Environment and sustainable development	2019-2021	Co- PI	Rs. 9, 92, 040/-
6. Documentation and utilization of non-timber forest products (NTFPs) by inhabitants of Khawrihnim Village, Mizoram	Institutional	2021-2022	PI	10,000
7. Mizoram Biodiversity Documentation and Establishment of a Natural History of Museum of Mizoram	Department of Biotechnology, Government of India	2019-2021	CO- PI	Rs. 451 lakhs

**4. Summer/winter school organized: N/A**

**5. Training received by faculty from participating departments:**

- a) Dr. Garima Singh participated in Faculty Awareness Programme on “ONLINE TEACHING PEDAGOGY IN HIGHER EDUCATION”, 11-14 June 2020, (Total duration: 6 hours), organized by Department of Agriculture and Environmental Sciences, NIFTEM.
- b) Dr. Vanlalhruaii Participated in Faculty Development Programme on “Moodle Learning Management System” organized by Govt. Zirtiri Residential Science College with course material provided by Spoken Tutorial Project, IIT, Bombay during 24th to 28th August, 2020.
- c) Dr. Garima Singh attended a faculty development programme from 18 Nov- 17 Dec 2019, organized by Mizoram University Aizawl.
- d) Dr. Bendangchuchang Longchar attended and completed a one week online Faculty Development Program on LaTeX from 29th June, 2020 to 3rd July, 2020,

conducted by the Department of Information Technology, Mizoram University in association with Spoken Tutorial Project, IIT Bombay, under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt. of India.

**6. List of exhibitions/seminars/training courses conducted:**

- a) In observance of National Science Day 2020 (NSD) on 28<sup>th</sup> February, 2020 with the direction from Mizoram Science, Technology & Innovation Council (MISTIC), on 28<sup>th</sup> February, 2020 (Friday) 2:00 p.m. at Seminar Hall, PUC

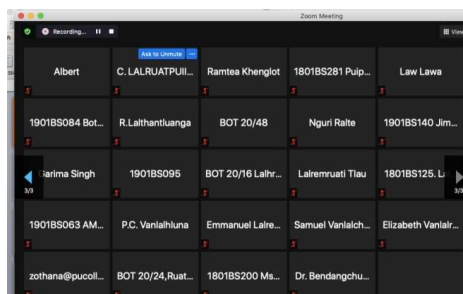
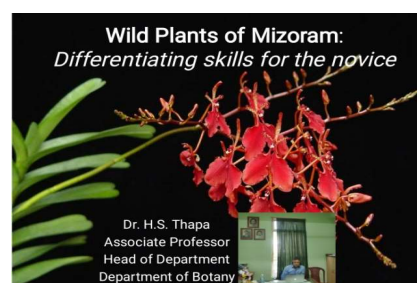
**NSD 2020 Celebration Organising Committee**







- a) Dr. Garima Singh and co-workers Organized an International Webinar on Emerging Trends in Biotechnology: Current and Future Challenges in Biotechnology Research during 24-26 June 2020, Aizawl, India. (out of report period)
- b) Dr. Garima Singh delivered a lecture entitled “Evaluation of bioactive potential of selected plants from Mizoram, Northeast India” in the Botany lecture series: Lecture XII as a “Guest Speaker” held on 11th June’ 2020 organized by Society For Research in Biological Science (SRBS) & Department of Botany, Swami Shukdevanand College Shahjahanpur, (U.P.) out of report period
- c) One-Day Webinar for the observation of National Science Day, 2021 on *Wild Plants of Mizoram: Differentiating skills for the novice*



**7. Name, designation, host institute of guest faculty invited:**

- a) Lalruatfela Renthlei, Project Scientist, Patent information Centre MISTIC, DST. Govt. of Mizoram.



- b) Dr. John Zothanzama, Associate Professor, Dept of Env. Sciences, MZU.

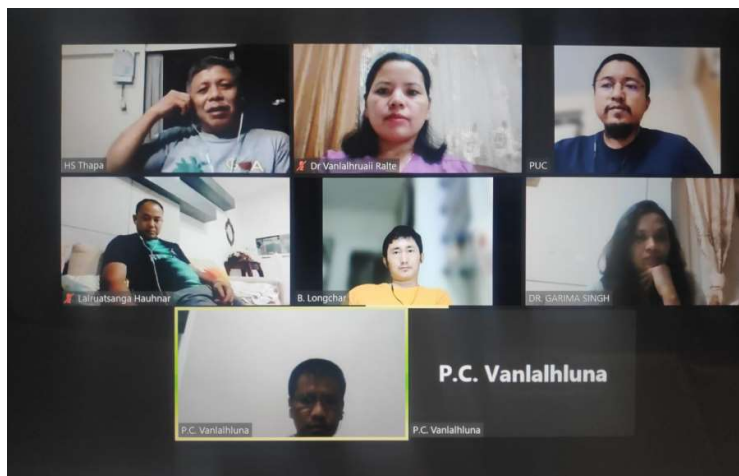


c) Prof. GD Sharma, Vice Chancellor, Bilaspur University, Chhattisgarh



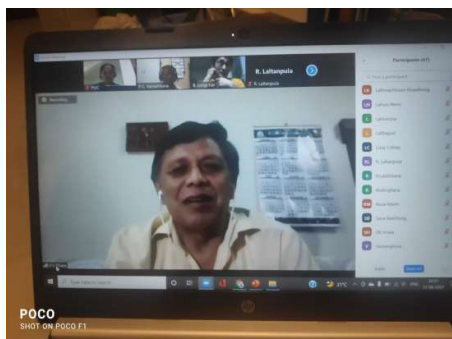
**8. Date of Department committee meeting:**

a) 14<sup>th</sup> May, 2020



b) 5<sup>th</sup> February, 2021





**9. List of New Practicals/demonstrations introduced in different departments in last one year:**

- 1. Phytochemical screening and qualitative analysis of plant materials.**
- 2. Estimation of Soil Nutrients:** Soil organic carbon, total nitrogen by modified Kjeldahl, soil ammonium- nitrogen, available Potassium and Carbon sequestration.
- 3. Evaluation of Soil Microbial Enzymes:** Dehydrogenase (TTC reduction method by Casida, 1977), Urease (Mc Garity and Myers, 1967). Phosphatase (Tabatabai and Bremner, 1969), Water Quality estimation.
- 4. Study of pollen morphology and their germination.**
- 5. Plant tissue culture and production of ex-plants.**



#### 10. Details of books & journals subscribed from DBT grant:

Sl. No.	Name of Book	Author (s)	Publishers	Price (in Rs.)	Date of purchase
1.	Combo set 2 books A Textbook of Biology with Dictionary	P.S.Dhami, C.Chopra & N.N.Srivastava	Pradeep Pub.	1233.00	April 26, 2019
2.	A Textbook of Practical Botany 2	A.Bendre	Rastogi Pub.	498.00	April 25, 2019
3.	Plant Anatomy	B.P.Pandey	S.Chand & Co.	350.00	April 16, 2019
4.	The Embryology of Angiosperms	Bhojwani, Bhatnagar & Dantu	Vikas Pub.	387.00	April 19, 2109
5.	Cell Biology and Genetics: A textbook for UG students	P.K. Gupta	Rastogi Pub.	595.00	April 19, 2109
6.	Plant Breeding: Principles & Methods	B.D.Singh	Kalyani	474.00	April 16, 2109

7.	Taxonomy of Angiosperms	R. Nair	APH Pub. Co.	675.00	April 16, 2109
8.	Economic Botany: A comprehensive study	S.L.Kochhar	Cambridge English	625.00	April 15, 2109
9.	A Textbook of Botany: Angiosperms	B.P.Pandey	S.Chand & Co.	407.00	April 16, 2109
10.	Taxonomy of Angiosperms	B.P.Pandey	S.Chand & Co.	342.00	April 16, 2109
11.	GATE-Previous Year's Solved Papers Life Sciences and Biotechnology		Pathfinder Pub	300.00	April 18, 2109
12.	Plant Pathology	R.S.Mehrotra & A.Aggarwal	McGraw Hill Edn	750.00	April 15, 2109
13.	Economic Botany (For B.Sc, M.Sc & Competitive Exam)	B.P.Pandey	S.Chand & Co.	279.00	April 15, 2109
14.	Ecology and Environment	P.D.Sharma	Rastogi Pub.	660.00	April 15, 2109
15.	Cell Biology, Genetics, Molecular Biology, Evolution & Ecology	P.S.Verma & V.K.Agarwal	S.Chand & Co.	788.00	April 16, 2109
16.	Plant Taxonomy	O.P.Sharma	McGraw Hill Edn	437.00	April 16, 2109
17.	A Textbook of Practical Botany Vol I	A.Bendre & A.Kumar	Rastogi Pub	399.00	May 29, 2019
18.	A Textbook of Botany:Vol I	Hait, Bhattacharya & Gosh	New Central Book Agency	623.00	Feb 28, 2020
19.	A Textbook of Botany:Vol II	Bhattacharya, Hait & Ghosh	New Central Book Agency	620.00	Feb 26, 2020
20.	An Introduction to Practical Biochemistry	D.T.Plummer	McGraw Hill Edn	352.00	Dec 19, 2019
21.	Biological Spectroscopy	I.D.Campbell & R.A.Dwek	Benjamin Cummings Pub. Co.	584.00	Apr 19, 2019
			<b>TOTAL</b>	<b>Rs. 11,378</b>	

## 11. Qualitative improvements due to DBT support

- a) Certain experiments are made accessible with the support of DBT Star College Scheme
- b) Dedicated tissue culture lab is established, where all the required equipment are met with Star college Assistance.
- c) Departmental library was enhanced with new procurements with the help of Star College Schem
- d) Overall performance in the University Exams is significantly improved.
- e) The Assistance helped in accomplishing visit to reputed industreis and laboratories in NE region.



Please highlight (5 salient lines) (include department pass percentage in year 2019 & 20 with rank holders name and ranks.

## 12. Problems faced, if any, in implantation of the programme and utilization of DBT grant

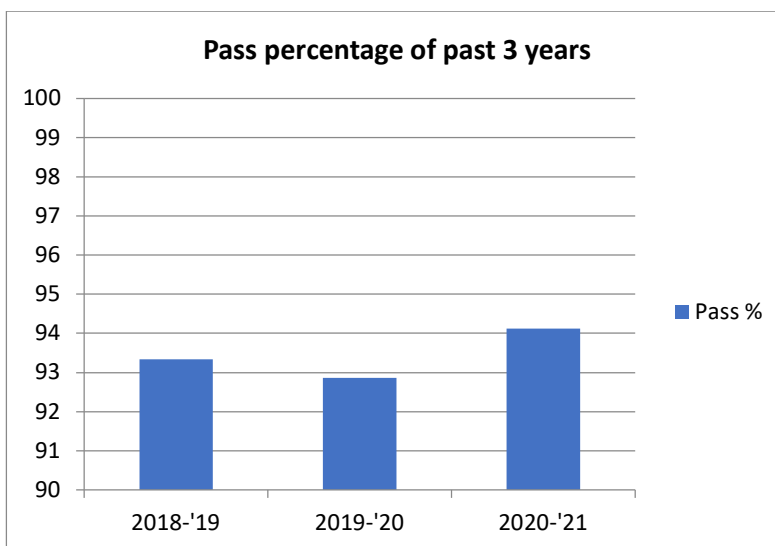
Though plans are made to have exposure to certain research Laboratory in the region and Summer School/ Orientation for Secondary School teachers are made, it could not be implemented due to Pandemic lockdown in early 2020.

## 12. Result three years comparison for overall report. (Pass percentage and rank holders number, gold medalist name if available.)



**Average pass percentage of Students during last five years**

Year	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass %
2018 - 2019	BOT	BSc (Botany)	30	28	93.33
2019 - 2020	BOT	BSc (Botany)	28	26	92.86
2020-2021	BOT	BSc (Botany)	34	32	94.12



Year/ Rank	1	2	3	4	5	6	7	8	9	10
<b>2017</b>										
<b>2018</b>										
<b>2019</b>										
<b>2020</b>										
<b>2021</b>										
<b>2022</b>										

### 13. Students progression and employment status of the years 2019-2022

#### a) Pachhunga University College Student's Progress Tracker Department: Botany (2019)

Sl. No.	Roll No.	Name	REMARKS
1	1601BS019	Vanlalhlhena	Business
2	1601BS023	Lalchhanhimi Khiangte	M.Sc. Botany, MZU
3	1601BS024	Lalrinpuii Renthlei	M.Sc. Botany, MZU
4	<b>1601BS025</b>	<b>C. Zomuansanga</b>	M.Sc. Botany, MZU
5	1601BS027	Lalhruaitluanga	Business
6	1601BS028	Lalmuanpuia	
7	1601BS031	Lalrinkima	
8	1601BS032	Lalthakimmawia	M.Sc. Botany, MZU
9	1601BS033	Paul Rozarlina	M.Sc. Botany, MZU
10	1601BS034	Piangthanthuama	M.Sc. Botany, MZU
11	1601BS035	Poinal Chakma	
12	1601BS037	S.R. Vanlaltlinga	M.A. MZU Clinical psy
13	1601BS038	Zoremkima Khiangte	
14	1601BS039	Zosangzuala	M.Sc. Botany, MZU
15	<b>1601BS041</b>	<b>Chinbiaksangi</b>	<b>M.Sc. Botany, JNU</b>
16	1601BS042	Esther Rochampuii	M.Sc. Botany, MZU
17	1601BS043	H. Lalrinfeli	
18	1601BS044	H. Rosangliani	M.Sc. Botany, Bangalore Univ
19	1601BS045	K. Lalhmunsiami	M.Sc. Botany, MZU
20	1601BS046	K.C. Khawngaihthangi	M.Sc. Botany, MZU
21	1601BS047	Lalthakimi Thawmte	M.Sc. Botany, MZU
22	1601BS048	Lalzemawii	M.Sc. Botany, MZU
23	1601BS049	Mary Lalruatfeli	
24	1601BS050	R. Zosangzuali	M.Sc. Botany, MZU, NET LS 2022
25	1601BS051	R.D. Lalremruati	<b>Civil Service Coaching</b>
26	<b>1601BS052</b>	<b>Ruth Ngainunsangi</b>	M.Sc. Botany, MZU
27	1601BS053	Vanlalchhandami Fanai	M.Sc. Botany, MZU
28	<b>1601BS054</b>	<b>Vanlalhruaii</b>	<b>Civil Service Coaching</b>
29	1601BS055	Z.D. Lalsangkimi	M.Sc. Botany, DU
30	1619BS002	Lalhmingsangi	M.Sc. Botany, Mumbai Univ.

**b) Pachhunga University College Student's Progress Tracker****Department: Botany (2020)**

Sl. No.	Roll No.	Name	REMARKS
1	1701BS014	C. Laldinkima	M.Sc. Botany, MZU
2	1701BS015	F. Lailiankulha	M.Sc. Botany, MZU
3	1701BS016	Henry Ramthamawia	
4	1701BS017	J.H. Lalhmufela	M.Sc. Botany, MZU
5	1701BS018	K. Laldingiana	M.Sc. EVS, MZU
6	1701BS019	Lalawmpuia	M.Sc. Botany, MZUNET JRF in 2022
7	1701BS020	Lalchhanhima Renthlei	
8	1701BS021	Lallawmkima Ralte	
9	1701BS023	Lalmuanpuia	M.Sc. Botany, MZU
10	1701BS024	Lalnunsanga	M.Sc. Botany, MZU
11	1701BS026	Lalruatpuia	
12	1701BS027	Rohmingiana	M.Sc. Botany, MZU
13	1701BS028	Ronald Lalruatmawia	
14	1701BS029	T. Vanlalchhuanga	
15	1701BS030	Vanlaldampuia	M.Sc. Botany, MZU
16	1701BS032	Abigail Lalrinkimi	M.Sc. Botany, MZU
17	1701BS033	Baby Lalbiaksangi	M.Sc. Botany, MZU
18	1701BS034	H. Lalnunziri	M.Sc. Botany, MZU
19	1701BS035	Lallawmzuali Pachuau	M.Sc. Botany, MZU
20	1701BS036	Lallianzuali	M.Sc. Botany, MZU
21	1701BS037	Lalrammawii	M.Sc. Botany, MZU
22	1701BS038	Mary Lalthansiami	M.Sc. Botany, MZU
23	1701BS039	Rachel Lalremruati	M.Sc. Botany, MZU
24	1701BS040	Rodingpuui	M.Sc. Botany, MZU
25	1701BS041	Swapna Chakma	
26	1701BS042	T. Lalrinfeli	
27	1701BS043	Vanlalmangaihzuali	M.Sc. Botany, MZU
28	1701BS058	Lalmangaihzuali	M.Sc. Botany, MZU

**a) Pachhunga University College Student's Progress Tracker**

**Department: Botany (2021)**

<b>Department: Botany</b>			
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>REMARKS</b>
1	1801BS053	Christopher Lalhminghlua	M.Sc. Botany, MZU
2	1801BS068	Gerosa Lalzikpuii Chhange	M.Sc. Life Sciences, PUC
3	1801BS281	Zothanpuii	M.Sc. Life Sciences, PUC
4	1801BS149	Lalramluahsanga	M.Sc. Botany, MZU
5	1801BS125	Lalhminghsanga Chinzah	M.Sc. Botany, MZU
6	1801BS155	Lalremruatpuia	M.Sc. Life Sciences, PUC
7	1801BS079	H. Vanlalruata	Civil Services Coaching
8	1801BS226	Reuben Lalnunema	Civil Services Coaching
9	1801BS169	Lalrokima	
10	1801BS008	J. Lalnunpari	Civil Services Coaching
11	1801BS191	Malsawmkima	M.Sc. Botany, MZU
12	1801BS195	Malsawmtluangi	Civil Services Coaching
13	1801BS190	M. Sorili	
14	1801BS142	Lalmuanzova	M.Sc. Botany, MZU
15	1801BS114	Lalbiaktluangi	M.Sc. Botany, MZU
16	1801BS231	Rohlupuii	M.Sc. Botany, MZU
17	1801BS193	Malsawmkimi Pachhuau	M.Sc. Botany, MZU
18	1801BS237	Smriti Subba	M.Sc. Botany, MZU
19	1801BS200	M.S. Dawngkima	Civil Services Coaching
20	1801BS023	Vanlalremruata	M.Sc. Life Sciences, PUC
21	1801BS025	Albert Zothantluanga	M.Sc. Life Sciences, PUC
22	1801BS052	Christina Lalmangaihzuali	M.Sc. Botany, MZU
23	1801BS069	Gracy Lalawmpuii	M.Sc. Life Sciences, PUC
24	1801BS070	H. Lalchhanhima	
25	1801BS089	Isaac Lalmuanpuia	M.Sc. Botany, MZU
26	1801BS107	K. Malsawmdawngzeli	
27	1801BS148	Lalramchani	M.Sc. Life Sciences, PUC
28	1801BS152	Lalramnunhloi	
29	1801BS224	Remsangpuii	
30	1801BS229	R.K. Lalrinsangi	Civil Services Coaching
31	1801BS241	T. Lalrinhlua	
32	1801BS246	Timothy Lalchhuansanga	
33	1801BS264	Vanlalhlamuana	
34	1801BS274	Zomuanpuia	

**STAR COLLEGE REPORT FORMAT**



2021-22

**14. List of projects undertaken by students:**

- g) Impact of Plant age on physicochemical properties of soil in Oil Palm (*Elaeis guineensis* Jacq.) plantation sites (1901BS094, 175, 198, 305, 338)
- h) Phytochemical screening and antimicrobial activity of *Ipomoea cairica* (L) Sweet (1901BS140, 151, 166, 249, 254)
- i) Survey and documentation of Monsoon jhum Crops in Aizawl Sobji bazar (1901BS063, 120, 225, 240, 304)
- j) Pigment separation and comparative Rf value analysis of some plants in PUC Campus (1901BS096, 196, 223, 271, 303)
- k) Comparison of selected nucleotide sequences using Blastn and ClustalW (1901BS126, 103, 253, 233, 107)
- l) Collection and study of Non Timber forest products in Tropical forest of Dampa Tiger reserve (1901BS095, 123, 173, 205, 239)

**15. Industrial visits by students, summer training in last one year:** Despite communication for visit to RIPANS and CIL, MZU have been undertaken, we could not make it due to continued lockdown and thereafter time constraint, after it was lifted. However, a botanical Trip was held in a narrow timeline at Dampa Tiger Reserve, Mizoram during April 21- 23, 2022.



### 16. Projects undertaken by Department:

<b>1. Assessment of ecological impact, economic viability and management of Oil Palm, <i>Elaeis guineensis</i> plantation in Kolasib District, Mizoram, India</b>	<b>GB Pant National Institute of Himalayan Environment and sustainable development</b>	<b>2019-2022</b>	<b>PI</b>	<b>Rs. 11, 99, 800/-</b>
<b>2. DBT-Boost to University Interdisciplinary Life Science Departments for Education and Research Programme (DBT-BUILDER),</b>	<b>Department of Biotechnology, Government of India</b>	<b>2021-2026</b>	<b>Co-PI</b>	<b>Rs. 1,52,17,520/-</b>
<b>3. UGC-BSR Research Start Up Grant</b>	<b>UGC</b>	<b>2022</b>	<b>PI</b>	<b>10,00,000/-</b>
<b>4. Documentation and utilization of non-timber forest products (NTFPs) by inhabitants of Khawrihnim Village, Mizoram</b>	<b>Institutional</b>	<b>2021-2022</b>	<b>PI</b>	<b>10,000</b>
<b>5. Documentation and utilization of non-timber forest products (NTFPs) by inhabitants of Khawrihnim Village, Mizoram</b>	<b>Institutional</b>	<b>2021-2022</b>	<b>PI</b>	<b>10,000</b>

17. Summer/winter school organized: N/A

**18. Training received by faculty from participating departments:**

Sl. No	Name of Teacher	Name of Programme	Venue/ Organizer	Date
1.	Dr. Vanlalhruii Ralte	International Webinar on "Natural Resource Management & Sustainable Development: North-East Chapter"	Department of Geography, Pachhunga University College.	17 <sup>th</sup> -18 <sup>th</sup> April, 2021
2.	Dr. Vanlalhruii Ralte	Webinar on "Using Mathematical Models to Understand Epidemics"	Department of Zoology, Mizoram University	19 <sup>th</sup> May, 2021
3.	Dr. Vanlalhruii Ralte	Webinar on "New Education Policy, 2020 and Management Education"	Department of Management, Mizoram University	20 <sup>th</sup> May, 2021
4.	Dr. Vanlalhruii Ralte	Webinar on the "Science of Learning"	Mizoram University	25 <sup>th</sup> May, 2021
5.	Dr. Vanlalhruii Ralte	International Webinar on "COVID19: Disruption of Life Process Impacting Mental Health"	Department of Clinical Psychology, Mizoram University	3 <sup>rd</sup> June, 2021
6.	Dr. Vanlalhruii Ralte	Webinar on World Environment Day on the theme "Ecosystem Restoration"	Department of Environmental Science, Mizoram University	5 <sup>th</sup> June, 2021
7.	Dr. Vanlalhruii Ralte	UGC STRIDE Webinar on "The Role of Hypothalamic Neurokinin 3 antagonism as a Novel Treatment for Menopausal hot flushes"	Mizoram University	8 <sup>th</sup> June, 2021
8.	Dr. Vanlalhruii Ralte	Webinar on "Ushering Rural Prosperity Amidst Uncertainty"	Mizoram University	9 <sup>th</sup> June, 2021
9.	Dr. Vanlalhruii Ralte	National Webinar on "Living and Coping with Covid-19: Psychosocial Care & Work-Life Balance"	Centre for Disaster Management (MZU) in collaboration with MCTA & Department of Psychology, PUC	11 <sup>th</sup> June, 2021
10.	Dr. Vanlalhruii Ralte	Webinar on "Investigation of potential new treatments for diabetes, cancer and Covid-19"	Department of Zoology, Mizoram University	6 <sup>th</sup> July, 2021
11.	Dr. Vanlalhruii Ralte	International Webinar on "Student Evaluation in Digital Education: A Perspective from Higher	Department of Education, Mizoram	7 <sup>th</sup> July, 2021

		Education”	University	
12.	Dr. Vanlalhruii Ralte	Virtual Workshop on “Intellectual Property Rights & its Management”	ICC and MZU Innovation Cell	16 <sup>th</sup> July, 2021
13.	Dr. Vanlalhruii Ralte	International Webinar on “Livelihoods System Modelling”	MZU in collaboration with University of Minnesota, USA	31 <sup>st</sup> August, 2021
14.	Dr. Vanlalhruii Ralte	Webinar on “Biotechnology in Drug Discovery & Clinical Applications”	MZU	7 <sup>th</sup> September, 2021
15.	Dr. Vanlalhruii Ralte	International Webinar on “Feminist Theology and Toxic Masculinity”	Pachhunga University College	11 <sup>th</sup> September, 2021
16.	Dr. Vanlalhruii Ralte	International Workshop on “Dare to Dream-Women in Tech”	Women Entrepreneurship Day Organization (WEDO) and MZU	14 <sup>th</sup> October, 2021
17.	Dr. Vanlalhruii Ralte	Participate in Science Festival, VIGYAN UTSAV: STI Ecosystem for Atma Nirbhar Bharat: Human resource Development in Mizoram	MISTIC & DST, Govt. of India	18 <sup>th</sup> October, 2021
18.	Dr. Vanlalhruii Ralte	National Webinar on “Biotechnology in Plant Genetic Resource Conservation”	Department of Botany, Model Christian college, Kohima, Nagaland	23 <sup>rd</sup> October, 2021
19.	Dr. Vanlalhruii Ralte	Webinar & Workshop on “Integrated Genomics and Proteomics Approach for Cancer Research”	Department of Zoology, Gauhati University, Tata Memorial Centre, ACTREC, Kharghar, Navi Mumbai and School of Life Sciences, MZU	4 <sup>th</sup> December, 2021
20.	Dr. Vanlalhruii Ralte	Webinar on “NEP 2020: Holistic and Multidisciplinary Education”	MZU	7 <sup>th</sup> December, 2021
21.	Dr. Vanlalhruii Ralte	International webinar on “Capacity Development of Skills for Work and Life”	Govt. T. Romana College, Mizoram	16 <sup>th</sup> to 18 <sup>th</sup> February, 2022
22.	Dr. Vanlalhruii Ralte	Webinar on Celebration of “International Women’s Day”	UGC Women’s Study Centre, MZU	8 <sup>th</sup> march, 2022
23.	Dr. Vanlalhruii Ralte	Chaired on International Webinar on “Integrated Approach in Science & Technology for a Sustainable Future” in Commemoration of	Pachhunga University College	9 <sup>th</sup> March, 2022



		National Science Day 2022		
24.	Dr. Vanlalhruii Ralte	Act as Resource Person for the public awareness campaign on <b>The Harmful Effects of Firecrackers</b>	Govt. Kolasib College	12 <sup>th</sup> February, 2022
25.	Dr. Vanlalhruii Ralte	Act as Resource Person on National Science Day 2020 observation on a topic <b>Clean Air for a Sustainable Future</b>	Deptt. of Botany and Deptt of Mizo, Pachhunga University College	2 <sup>nd</sup> March, 2022
26.	Dr. Vanlalhruii Ralte	Act as Resource Person in Vigyan Utsav Programme on <b>Women, Science and Society</b>	MISTIC and DST, Govt. of India	22 <sup>nd</sup> March, 2022
27.	Dr. Vanlalhruii Ralte	International Virtual Workshop on "Global Seismology and Tectonics"	Geoscience & Technology Division, NEIST (CSIR), Jorhat, Assam	20 <sup>th</sup> to 30 <sup>th</sup> September, 2021
28.	Dr. Vanlalhruii Ralte	One week Virtual Faculty Development Programme on <b>Statistical Methods in Biological Sciences</b>	Assam Down Town University	29 <sup>th</sup> June to 5 <sup>th</sup> July, 2021
29.	Dr. Vanlalhruii Ralte	One-Week online certificate Course on <b>Computational Mathematical Software (Mathematica, Maxima &amp; R)</b>	Deptt. of Mathematics (ARSD College, DU)	22 <sup>nd</sup> to 28 <sup>th</sup> February, 2022
30.	Dr. Vanlalhruii Ralte	Three-Day Online International FDP on <b>Basics of Research Statistics</b>	A2Z EduLearningHub	1 <sup>st</sup> to 3 <sup>rd</sup> March, 2022
31.	Dr. Vanlalhruii Ralte	Three-Day Online Training on <b>Fundamentals of Research Methodology</b>	A2Z EduLearningHub	19 <sup>th</sup> to 21 <sup>st</sup> April, 2022
32.	Dr. Vanlalhruii Ralte	National Level Online Faculty Development Programme on <b>Intellectual Property Rights</b>	IPR Cell, Govt. Aizawl West College & MISTIC	21 <sup>st</sup> to 25 <sup>th</sup> February, 2022
33.	Dr. Bendangchuchang Longchar	National Webinar on " <b>Multifaceted Research in the Field of Chemistry</b> "	Department of Chemistry, Model Christian College, Kohima, Nagaland	17 <sup>th</sup> April, 2021
34.	Dr. Bendangchuchang Longchar	International webinar on " <b>Natural resource management and sustainable development: North - East Chapter</b> "	Department of Geography, Pachhunga University College Campus, MZU, Aizawl, Mizoram	17 <sup>th</sup> - 18 <sup>th</sup> April, 2021
35.	Dr. Bendangchuchang Longchar	Webinar on " <b>New Education Policy, 2020 and Management Education</b> "	Department of Management, Mizoram	20 <sup>th</sup> May, 2021

			University	
36.	Dr. Bendangchuchang Longchar	National webinar on “ <b>Using Mathematical Models to Understand Epidemics</b> ”	Department of Zoology, Mizoram University	19 <sup>th</sup> May, 2021
37.	Dr. Bendangchuchang Longchar	Webinar on “ <b>The Science of Learning</b> ” Department of Physics, Dept. of Electronics & Comm., Dept of Commerce, MZU	Department of Physics, Dept. of Electronics & Comm., Dept of Commerce, Mizoram University	25 <sup>th</sup> May, 2021
38.	Dr. Bendangchuchang Longchar	Webinar on “ <b>Relevance of Corporate Social Responsibility</b> ”	Department of Management, Mizoram University	28 <sup>th</sup> May, 2021
39.	Dr. Bendangchuchang Longchar	National Webinar on “ <i>Exploration and Development for Hydrocarbons -with special reference to North East India</i> ”	Department of Geology, Mizoram University	2 <sup>nd</sup> June, 2021
40.	Dr. Bendangchuchang Longchar	International Webinar on “ <i>Covid-19: Disruption of Life Process Impacting Mental Health</i> ”	Dept. of Clinical Psychology, Mizoram University	3 <sup>rd</sup> June, 2021
41.	Dr. Bendangchuchang Longchar	Webinar on “ <i>World Environment Day: Ecosystem Restoration</i> ”	Department of Environmental Science, Mizoram University	5 <sup>th</sup> June, 2021
42.	Dr. Bendangchuchang Longchar	UGC-STRIDE webinar on “ <i>The Role of Hypothalamic Neurokinin 3 antagonism as a Novel Treatment for Menopausal hot flushes</i> ”	Mizoram University, Mizoram	8 <sup>th</sup> June, 2021
43.	Dr. Bendangchuchang Longchar	Webinar on “ <i>Ushering Rural Prosperity Amidst Uncertainty</i> ”	Mizoram University, Mizoram	9 <sup>th</sup> June, 2021
44.	Dr. Bendangchuchang Longchar	International Webinar on “ <i>Translating genomics for next generation crop improvement</i> ”	The Tata Institute for Genetics and Society (TIGS), Bengaluru, Karnataka	10 <sup>th</sup> June, 2021
45.	Dr. Bendangchuchang Longchar	Webinar on “ <i>The Evolution of the International Peace Architecture</i> ”	Mizoram University, Mizoram	11 <sup>th</sup> June, 2021
46.	Dr. Bendangchuchang Longchar	Webinar on “ <b>Improving Livelihoods and Addressing Climate Change through Community Based Natural Resources Management: Experience from Guatemala &amp; Research Opportunities for NE</b> ”	Mizoram University, Mizoram	11 <sup>th</sup> June, 2021

		<b>India"</b>		
47.	Dr. Bendangchuchang Longchar	Webinar on " <i>Living and Coping with Covid-19: Psychosocial Care &amp; Work- Life Balance</i> "	Mizoram University, Mizoram	11 <sup>th</sup> June, 2021
48.	Dr. Bendangchuchang Longchar	International Webinar on " <i>Understanding Changes in Indigenous Farming Systems and Livelihoods: Experiences from East Asia &amp; Sub Saharan Africa</i> "	Mizoram University, Mizoram	14 <sup>th</sup> June, 2021
49.	Dr. Bendangchuchang Longchar	Webinar on " <i>Climate Change and Global Capitalism: Collapse or Transformation</i> "	Mizoram University, Mizoram	16 <sup>th</sup> June, 2021
50.	Dr. Bendangchuchang Longchar	Webinar on " <i>Applications of Cold Plasma in Agriculture, Food and Medicine</i> "	Mizoram University, Mizoram	17 <sup>th</sup> June, 2021
51.	Dr. Bendangchuchang Longchar	Webinar on " <i>Mizo Hlahril: Hnu Lam leh Hma Lam Thlirna (Mizo Poetry: The Past and Future) &amp; Translating Heaven: Mizo Perspective</i> "	Mizoram University, Mizoram	18 <sup>th</sup> June, 2021
52.	Dr. Bendangchuchang Longchar	Webinar on " <i>Impacts of African Swine Fever (ASF) in India</i> "	Mizoram University, Mizoram	21 <sup>st</sup> June, 2021
53.	Dr. Bendangchuchang Longchar	A virtual " <i>Celebration of 7th International Day of Yoga and Workshop</i> "	Mizoram University, Mizoram	21 <sup>st</sup> -22 <sup>nd</sup> June, 2021
54.	Dr. Bendangchuchang Longchar	International Webinar on " <i>Designing risk assessments to select climate and disaster risk reduction measures</i> "	Mizoram University, Mizoram	22 <sup>nd</sup> June, 2021
55.	Dr. Bendangchuchang Longchar	Webinar on " <i>Indigenous Rights and Self Determination : The time is now for full support of UNDRIP</i> "	Mizoram University, Mizoram	22 <sup>nd</sup> June, 2021
56.	Dr. Bendangchuchang Longchar	Webinar on " <i>Planning and Implementing Epidemiological Studies in India</i> "	Mizoram University, Mizoram	25 <sup>th</sup> June, 2021
57.	Dr. Bendangchuchang Longchar	Webinar on " <i>From Conflict to Confucius: How modern China has been shaped by Ancient Thinking</i> "	Department of History & Ethnography, Mizoram University	2 <sup>nd</sup> July, 2021
58.	Dr. Bendangchuchang Longchar	Webinar on " <i>How to Organize a Museum &amp; Prehistoric Cultures of North-East India</i> "	Department of History & Ethnography, Mizoram University	5 <sup>th</sup> July, 2021
59.	Dr. Bendangchuchang Longchar	Webinar on " <i>Student Evaluation in Digital Education: A perspective from Higher Education</i> "	Department of Education, Mizoram University	7 <sup>th</sup> July, 2021

60.	Dr. Bendangchuchang Longchar	National Seminar on <i>"Intellectual Property Rights (IPR) and its related Issues"</i>	Mizoram University, Mizoram, and H.N.B. Garhwal University, Uttarakhand, India	16 <sup>th</sup> July, 2021
61.	Dr. Bendangchuchang Longchar	Webinar on <i>"Emerging Capabilities of Artificial Intelligence"</i>	Department of Computer Engineering and Dept. of I.T., School of Engineering and Technology, MZU, in association with Computer Society of India (CSI), Kolkata Chapter	23 <sup>rd</sup> July, 2021
62.	Dr. Bendangchuchang Longchar	Webinar on <i>"Celebrating 75 years of India's Independence "Azadi Ka Amrit Mahotsav"</i>	School of Social Science and the Department of History and Ethnography, Mizoram University	9 <sup>th</sup> August, 2021
63.	Dr. Bendangchuchang Longchar	Webinar series on <i>"Livelihoods System Modelling"</i>	Departments of Public Admin, Geography and RM, Botany, Biotechnology and Centre for Disaster Management, Mizoram University	31 <sup>st</sup> August, 2021
64.	Dr. Bendangchuchang Longchar	International Webinar on <i>"Challenges and Threats Post Pandemic Developments concerned with Agricultural Sector"</i>	Jointly organized by FATER academy of India, Mizoram University, Inst. of Agrarian Economics (Ukraine), The Asso. of Researchers of Thailand, etc	12 <sup>th</sup> September, 2021
65.	Dr. Bendangchuchang Longchar	Webinar on <i>"Changing Scenario of Indian Power Sector"</i>	Mizoram University,	30 <sup>th</sup> September,

	ng Longchar		Mizoram	2021
66.	Dr. Bendangchuchang Longchar	Webinar on " <i>Making Frugal Innovation Work</i> "	Dept. of Management, Mizoram University	13 <sup>th</sup> October, 2021
67.	Dr. Bendangchuchang Longchar	Webinar on " <i>Probiotics and Prebiotics: Who are they? What do they do?</i> "	Dept. of Microbiology, IHE, Delhi Univ. in association with Microbiologist Society, India	19 <sup>th</sup> October, 2021
68.	Dr. Bendangchuchang Longchar	International virtual Panel Session on " <i>Enabling Food and Nutrition Security in Drylands</i> "	World Food Prize 2021 International Borlaug Dialogue's side event hosted by ICRISAT, India	19 <sup>th</sup> October, 2021
69.	Dr. Bendangchuchang Longchar	Webinar on " <i>Essential ingredients in pursuing excellence</i> ".	Mizoram University, Mizoram	26 <sup>th</sup> November, 2021
70.	Dr. Bendangchuchang Longchar	Virtual " <i>Orientation Programme on Under Graduate Curriculum Design to align with NEP 2020</i> "	Mizoram University, Mizoram	14 <sup>th</sup> December, 2021
71.	Dr. Bendangchuchang Longchar	Virtual " <i>National Consultations on Regulatory System of Higher Education - Eastern India</i> "	UGC, Government of India	27 <sup>th</sup> December, 2021
72.	Dr. Bendangchuchang Longchar	ICC-MZU INNOCELL virtual WORKSHOP on " <i>Intellectual Property Rights (IPR) and its related Issues</i> "	Indian Chamber of Commerce-Intellectual Property Facilitation Center (ICC-IPFC) and Mizoram University Innovation Cell (MZU InnoCell)	16 <sup>th</sup> July, 2021
73.	Dr. Bendangchuchang Longchar	Two-Week virtual International Workshop on " <i>Basics to Advanced Genome Annotations at Ensembl</i> "	NextGenHelper, India and the European Molecular Biology Laboratory-European Bioinformatics Institute (EMBL-EBI), United	19 <sup>th</sup> – 30 <sup>th</sup> July, 2021

			Kingdom	
74.	Dr. Bendangchuchang Longchar	Online Training program on " <b>Region-wise online awareness program on Access to e-Resources under N-LIST Programme for North Eastern Regional Center (NERC)</b> "	The Information and Library Network (INFLIBNET) Centre, Gandhinagar	6 <sup>th</sup> August, 2021
75.	Dr. Bendangchuchang Longchar	One-Day Orientation Program for Faculty	Pachhunga University College, Mizoram University	28 <sup>th</sup> October
76.	Dr. PC. Vanlalhluna	Online elementary FDP on "Energy Engineering"	Mizoram University	23.08.2021 to 27.08.2021
77.	Dr. PC. Vanlalhluna	Interdisciplinary Refresher Course (online) on Science and Technology	Mizoram University	28.09.2021 to 11.10.2021
78.	Dr. Garima Singh	FDP on Leadership Mastery Through Self Management" (Online)	Organized by Centre for Value Based Education, Delhi Technological University & Heartfulness Education Trust	19.07.2021 to 23.07.2021
79.	Zothanmawia	State level webinar "Special Interaction with Mental Health Professionals" in observance of the World Suicide Prevention Day	Organized by Green Ribbon Club and Dept. of Psychology, Pachhunga University College	11.09.2021
80.	Zothanmawia	International Webinar on "Natural Resource Management & Sustainable Development: North-East Chapter"	Department of Geography, Pachhunga University College.	17 <sup>th</sup> -18 <sup>th</sup> April, 2021
81.	Zothanmawia	Served as Assistant Coordinator in International Webinar on "Integrated Approach in Science & Technology for Sustainable Future"	Organized by Research Committee, Pachhunga University College and MISTIC, Govt of Mizoram	7 <sup>th</sup> – 10 <sup>th</sup> March, 2022
83.	Dr. H. Lalruatsanga	Webinar on "NEP 2020: Holistic and Multidisciplinary Education"	MZU	7 <sup>th</sup> December, 2021



## 19. List of exhibitions/seminars/training courses conducted:

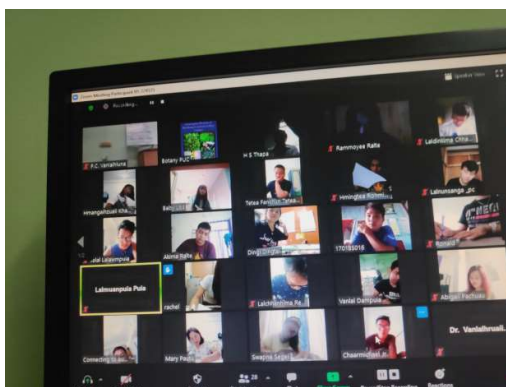
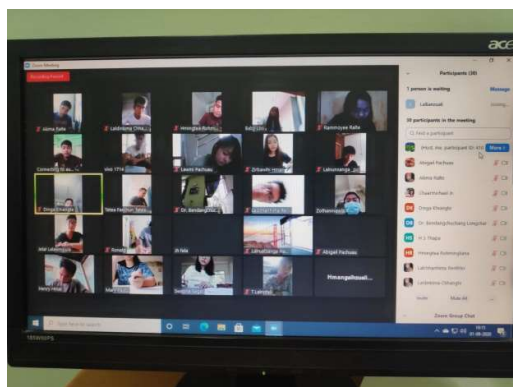
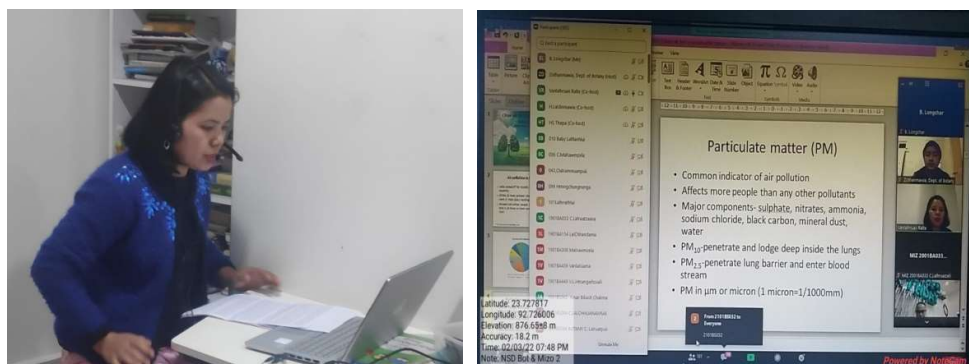
a) In observance of National Science Day (Sponsored by DBT-Star College Scheme), 2022, the Department of Botany and Department of Mizo, Pachhunga University College jointly organized Webinar on “Clean Air for a Sustainable Future” on 2<sup>nd</sup> March, 2022 at 7:00 p.m. through Zoom platform. The topic is in accordance with the NSD theme “Integrated Approach in Science and Technology for a Sustainable Future”. The Programme is as follows:

Chairman : Dr. H.S. Thapa, former Head, Deptt. of Botany

Resource Person : Dr. Vanlalhruii Ralte, Associate Professor, Deptt. of Botany

Vote of Thanks : Dr. H. Laldinmawia, Asst. Professor, Deptt. of Mizo

The programme was attended by all the faculty members of both Department and all core students of both Departments and PG students of Deptt. of Mizo, Pachhunga University College. Total of 274 participants joined the webinar programme.



**Name, designation, host institute of guest faculty invited:**

**a) “Entrepreneurship in Food Processing Sector and biotechnological interventions”**

Date: 31<sup>st</sup> March, 2022

Time: 11:00 AM – 12:00 PM

Venue: Botany Department Common Classroom

Resource person: **Dr. Bhim Pratap Singh**, Associate Prof., *Department of Agriculture and Environmental Sciences (AES), National Institute of Food Technology Entrepreneurship & Management (NIFTEM), Institute of National Importance (INI) (Ministry of Food Processing Industries) Kundli 131028, Sonapat, Haryana, India*

The lecture started at exactly 11:00 AM as scheduled. The resource person, Dr. BP Singh was accorded a warm welcome by the head of Botany Department, Dr. H. Lalruatsanga. Thereafter, a brief introduction of the resource person was provided by Dr. Bendangchuchang Longchar to the audience. The audience for this invited lecture was the Sixth Semester students of Botany Department. There were 35 students and 5 department faculties in attendance, including Dr. B. Longchar who is an attaché from the Dept. of Life Science.

Dr. Bhim P Singh started the lecture with a brief narration of his 12 year stint as a faculty in the Dept. of Biotechnology, Mizoram University. He then refreshed the students on the concepts of biotechnology and current trends in this scientific field. He proceeded to provide an interesting and a refreshing overview of the reputed institute, National Institute of Food Technology Entrepreneurship & Management (NIFTEM), where he is currently working. He highlighted the Structure of the Institute including the different Departments and Divisions, and the various Programmes offered. He emphasized on Advanced Eco-systems for Entrepreneurship and Training program that offered several Pilot Plants cum Incubation Facilities. Also highlighted were the priority research areas of the institute. Thereafter, special emphasis was given to showcase the different Technologies/Products developed at NIFTEM. These technologies included Cereals and Millets Technology, Food Processing and Engineering Technologies, Food Safety and Quality Analysis, and Food Packaging and Sustainable Technologies. Then, he spoke on the importance of developing entrepreneurial mindsets among farmers, and how to stay educated on market dynamics in order to maximize profits. He also enlightened the students about the ongoing research activities in his laboratory and on the availability of much research potential in Mizoram due to its rich natural resources. After the lecture, there as an active interaction session where several students raised pertinent questions ranging from career prospects in entrepreneurship to higher studies in research.

After the lecture, Dr. Singh was presented with a Certificate as a token of appreciation by the HoD, Botany. In conclusion, the invited lecture was stimulating, informative and of immense benefit to the students.

**Acknowledgement:** The Invited Lecture and the post-lecture refreshments were funded by the Star College Scheme, DBT, MoST, GoI.



A Constituent College of Mizoram University  
UGC College With Potential For Excellence  
DBT Star College & A+ NAAC Accredited Institution

Invited Lecture  
on  
“Entrepreneurship in Food Processing Sector and  
biotechnological interventions”



**Dr. Bhim Pratap Singh**

*Associate Professor & Associate Dean (Student Welfare)*  
*Department of Agriculture and Environmental Sciences (AES)*  
*National Institute of Food Technology Entrepreneurship & Management*  
*(NIFTEM), Institute of National Importance (INI)*  
*(Ministry of Food Processing Industries)*  
*Kundli 131028, Sonapat, Haryana, India*

Organized by the Department of Botany, PUC in collaboration with  
Star College Scheme, DBT, MoST, GoI



**Figure. 2.** Snapshots of the invited lecture. A) Introduction, B) Lecture session, C) Interaction

- d) The Department of Botany collaborated with department of Biotechnology and organized Two Days Skill Development Programme on “Organic Farming for sustainable development of NE farmers” at PUC campus.



- e) On 14 february, 2022, Department of Botany Organized a programme “Commencement of Awareness/ Sensitization on SWAYAM” for all core department students.



- f) On March 5, 2022 Department also visited PUC adopted village Khwahrinim for the forest diversity study and sample collection.
- g) She also Acted as Resource Person in Vigyan Utsav Programme organized by MISTIC "Women, Science and Society".








DEPARTMENT OF SCIENCE AND TECHNOLOGY (DST)  
Government of India  
Through State S&T Council Network

*Celebrates*  
Vigyan Utsav : STI Ecosystem for Atma Nirbhar Bharat\*

**THEME: WOMEN IN S&T AND S&T FOR WOMEN**  
Organized by  
Mizoram Science, Technology & Innovation Council (MISTIC), Dept. of Science & Technology, GoM  
& Department of Science & Technology, Govt. of India

22<sup>nd</sup> March, 2022 (Tuesday) 11:00 AM to 01:00 PM

**PROGRAMME**

Introduction by Host  
**Welcome address:** Er. H. Lalawmlana  
Chief Scientific Officer & Member Secretary  
Mizoram Science Technology & Innovation Council

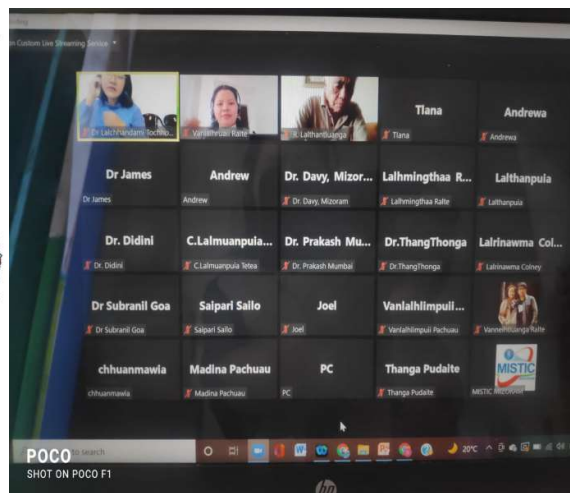
**Presentation**

Dr. Vanlalhruali Ralte, Associate Professor  
Dept of Botany, Pailhanga University College  
**Topic – Women, Science & Society.**

Dr. Sairani Saib, Scientist C, Zoological Survey of India,  
Central Zone Regional Centre, Jabalpur  
**Topic – Women empowerment: from the perspective of a woman scientist.**

Dr. Rebecca Lalnunluangi, Assistant Professor,  
Department of Physics, Banara Hindu  
University, Varanasi  
**Topic – Role of women scientists in shaping the STI ecosystem.**

Dr. Zangari, Secretary  
Mizo Hmeichhe Thabakhawm Pawl (MHP)  
Zemabak Hmeichhe  
**Topic – Experience Sharing: As a Women Technology Park Beneficiary**

**20. Date of Department committee meeting:**

- a) **September 10, 2021**
- b) **February 25, 2022**

**21. List of New Practicals/demonstrations introduced in different departments in last one year:**

The following 5 (five) new experiments were introduced with the assistance of DBT Star College Scheme during the period.

1. Phytochemical screening and qualitative analysis of plant materials.
2. Estimation of Soil Nutrients: Soil organic carbon, total nitrogen by modified Kjeldahl, soil ammonium- nitrogen, available Potassium and Carbon sequestration.
3. Evaluation of Soil Microbial Enzymes: Dehydrogenase (TTC reduction method by Casida, 1977), Urease (Mc Garity and Myers, 1967). Phosphatase (Tabatabai and Bremner, 1969), Water Quality estimation.
4. Study of pollen morphology and their germination.
5. Plant tissue culture and production of ex-plants.

**22. Details of books & journals subscribed from DBT grant: Nil**

**23. Qualitative improvements due to DBT support**

- f) Tissue culture lab is being established in the department with the assistance of DBT star college scheme in pursuance of certain experiments in the curriculum . Physical

work and room preparation is accomplished, BOD incubator and Refrigerator is procured in the scheme, however instruments like Biosafety cabinet and incubator shaker are in transit, delayed due to nationwide lockdown. It is anticipated to be operational in due course of time.

- g) Certain experiments are made accessible with the support of DBT Star College Scheme
- h) Dedicated tissue culture lab is established, where all the required equipment are met with Star college Assistance.
- i) Overall performance in the University Exams is significantly improved.
- j) The Assistance helped in accomplishing visit to reputed industries and laboratories in NE region.
- k) Below is the rank holders from the department during the last 5 years in univ Examination.

<b>Year/ Rank</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>2017</b>										
<b>2018</b>										
<b>2019</b>										
<b>2020</b>										
<b>2021</b>										
<b>2022</b>										

**12. Problems faced, if any, in implantation of the programme and utilization of DBT grant**

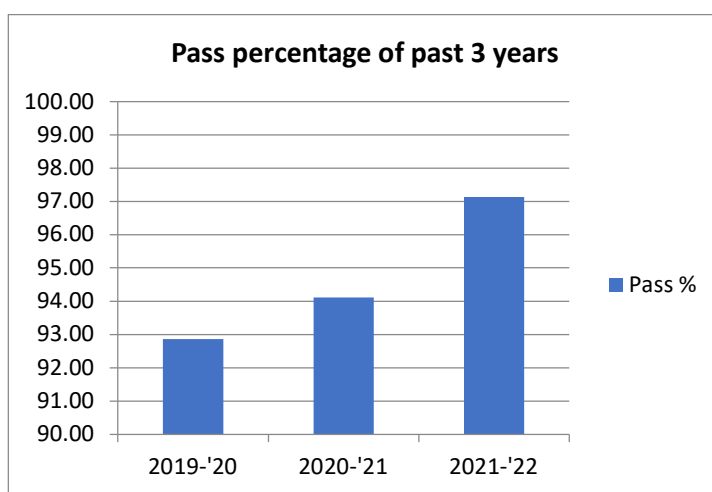
Since the assistance sanction is interrupted for a particular installment, we could not accomplish outreach program and laboratory enhancement is also halted due to financial constraint. Nonetheless, most of the period is under Pandemic lockdown cover and most activities are done online, we could say that the impact of instalment lap is minimal. Though plans are made to have exposure to certain research Laboratory in the region and Summer



School/ Orientation for Secondary School teachers are made, it could not be implemented due to Pandemic lockdown in early 2020.

**24. Result three years comparison for overall report. (Pass percentage and rank holders number, gold medalist name if available.)**

Average pass percentage of Students during last three years (2022)							Year	Pass %
Year	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass %		Year	Pass %
2019 - 2020	BOT	BSc (Botany)	28	26	92.86		2019-'20	92.86
2020-2021	BOT	BSc (Botany)	34	32	94.12		2020-'21	94.12
2020-2022	BOT	BSc (Botany)	35	34	97.14		2021-'22	97.14



**25. Students progression and employment status of the years 2019-2022**

**c) Pachhunga University College Student's Progress Tracker  
Department: Botany (2019)**

Sl. No.	Roll No.	Name	REMARKS
1	1601BS019	Vanlalhlhena	Business
2	1601BS023	Lalchhanhimi Khiangte	M.Sc. Botany, MZU
3	1601BS024	Lalrinpuii Renthlei	M.Sc. Botany, MZU
4	<b>1601BS025</b>	<b>C. Zomuansanga</b>	M.Sc. Botany, MZU
5	1601BS027	Lalhruaitluanga	Business
6	1601BS028	Lalmuanpuia	
7	1601BS031	Lalrinkima	

8	1601BS032	Lalthakimmawia	M.Sc. Botany, MZU
9	1601BS033	Paul Rozarlina	M.Sc. Botany, MZU
10	1601BS034	Piangthanthuama	M.Sc. Botany, MZU
11	1601BS035	Poinal Chakma	
12	1601BS037	S.R. Vanlaltlinga	M.A. MZU Clinical psy
13	1601BS038	Zoremkima Khiangte	
14	1601BS039	Zosangzuala	M.Sc. Botany, MZU
15	<b>1601BS041</b>	<b>Chinbiaksangi</b>	<b>M.Sc. Botany, JNU</b>
16	1601BS042	Esther Rochampuii	M.Sc. Botany, MZU
17	1601BS043	H. Lalrinfeli	
18	1601BS044	H. Rosangliani	M.Sc. Botany, Bangalore Univ
19	1601BS045	K. Lalhmunsiami	M.Sc. Botany, MZU
20	1601BS046	K.C. Khawngaihthangi	M.Sc. Botany, MZU
21	1601BS047	Lalthakimi Thawmte	M.Sc. Botany, MZU
22	1601BS048	Lalzemawii	M.Sc. Botany, MZU
23	1601BS049	Mary Lalruatfeli	
24	1601BS050	R. Zosangzuali	M.Sc. Botany, MZU, NET LS 2022
25	1601BS051	R.D. Lalremruati	<b>Civil Service Coaching</b>
26	<b>1601BS052</b>	<b>Ruth Ngainunsangi</b>	M.Sc. Botany, MZU
27	1601BS053	Vanlalchhandami Fanai	M.Sc. Botany, MZU
28	<b>1601BS054</b>	<b>Vanlalhruaii</b>	<b>Civil Service Coaching</b>
29	1601BS055	Z.D. Lalsangkimi	M.Sc. Botany, DU
30	1619BS002	Lalhmingsangi	M.Sc. Botany, Mumbai Univ.

**d) Pachhunga University College Student's Progress Tracker  
Department: Botany (2020)**

Sl. No.	Roll No.	Name	REMARKS
1	1701BS014	C. Laldinkima	M.Sc. Botany, MZU
2	1701BS015	F. Lailiankulha	M.Sc. Botany, MZU
3	1701BS016	Henry Ramthamawia	
4	1701BS017	J.H. Lalhmufela	M.Sc. Botany, MZU
5	1701BS018	K. Laldingiana	M.Sc. EVS, MZU
6	1701BS019	Lalawmpuia	M.Sc. Botany, MZUNET JRF in 2022

7	1701BS020	Lalchhanhima Renthlei	
8	1701BS021	Lallawmkima Ralte	
9	1701BS023	Lalmuanpuia	M.Sc. Botany, MZU
10	1701BS024	Lalnunsanga	M.Sc. Botany, MZU
11	1701BS026	Lalruatpuia	
12	1701BS027	Rohmingliana	M.Sc. Botany, MZU
13	1701BS028	Ronald Lalruatmawia	
14	1701BS029	T. Vanlalchhuanga	
15	1701BS030	Vanlaldampuia	M.Sc. Botany, MZU
16	1701BS032	Abigail Lalrinkimi	M.Sc. Botany, MZU
17	1701BS033	Baby Lalbiaksangi	M.Sc. Botany, MZU
18	1701BS034	H. Lalnunziri	M.Sc. Botany, MZU
19	1701BS035	Lallawmzuali Pachuau	M.Sc. Botany, MZU
20	1701BS036	Lallianzuali	M.Sc. Botany, MZU
21	1701BS037	Lalrammawii	M.Sc. Botany, MZU
22	1701BS038	Mary Lalthansiami	M.Sc. Botany, MZU
23	1701BS039	Rachel Lalremruati	M.Sc. Botany, MZU
24	1701BS040	Rodingpuii	M.Sc. Botany, MZU
25	1701BS041	Swapna Chakma	
26	1701BS042	T. Lalrinfeli	
27	1701BS043	Vanlalmangaihzuali	M.Sc. Botany, MZU
28	1701BS058	Lalmangaihzuali	M.Sc. Botany, MZU

**b) Pachhunga University College Student's Progress Tracker**  
**Department: Botany (2021)**

Department: Botany			
Sl. No.	Roll No.	Name	REMARKS
1	1801BS053	Christopher Lalhminghlua	M.Sc. Botany, MZU
2	1801BS068	Gerosa Lalzikpuii Chhangte	M.Sc. Life Sciences, PUC
3	1801BS281	Zothanpuii	M.Sc. Life Sciences, PUC
4	1801BS149	Lalramluahsanga	M.Sc. Botany, MZU
5	1801BS125	Lalhminghsanga Chinzah	M.Sc. Botany, MZU
6	1801BS155	Lalremruatpuia	M.Sc. Life Sciences, PUC
7	1801BS079	H. Vanlalruata	Civil Services Coaching
8	1801BS226	Reuben Lalnunnema	Civil Services Coaching
9	1801BS169	Lalrokima	

10	1801BS008	J. Lalnunpari	Civil Services Coaching
11	1801BS191	Malsawmkima	M.Sc. Botany, MZU
12	1801BS195	Malsawmtluangi	Civil Services Coaching
13	1801BS190	M. Sorili	
14	1801BS142	Lalmuanzova	M.Sc. Botany, MZU
15	1801BS114	Lalbiaktluangi	M.Sc. Botany, MZU
16	1801BS231	Rohlupuii	M.Sc. Botany, MZU
17	1801BS193	Malsawmkimi Pachhuau	M.Sc. Botany, MZU
18	1801BS237	Smriti Subba	M.Sc. Botany, MZU
19	1801BS200	M.S. Dawngkima	Civil Services Coaching
20	1801BS023	Vanlalremruata	M.Sc. Life Sciences, PUC
21	1801BS025	Albert Zothantluanga	M.Sc. Life Sciences, PUC
22	1801BS052	Christina Lalmangaihzuali	M.Sc. Botany, MZU
23	1801BS069	Gracy Lalawmpuii	M.Sc. Life Sciences, PUC
24	1801BS070	H. Lalchhanhima	
25	1801BS089	Isaac Lalmuanpuia	M.Sc. Botany, MZU
26	1801BS107	K. Malsawmdawngzeli	
27	1801BS148	Lalramchhani	M.Sc. Life Sciences, PUC
28	1801BS152	Lalramnunhlui	
29	1801BS224	Remsangpuii	
30	1801BS229	R.K. Lalrinsangi	Civil Services Coaching
31	1801BS241	T. Lalrinhlua	
32	1801BS246	Timothy Lalchhuansanga	
33	1801BS264	Vanlalthlamuana	
34	1801BS274	Zomuanpuia	

Kindly include photos and charts if available..send soft copy of report to [vana@pucollege.edu.in](mailto:vana@pucollege.edu.in).