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## MINUTES OF THE 26<sup>th</sup> SCHOOL BOARD MEETING IN LIFE SCIENCES HELD ON 29<sup>th</sup> APRIL, 2021 AT 11:00A.M THROUGH ONLINE MODE

## Following members have attended:

- Prof. G. Gurusubramanian, Chairman, Dean i/c, School of Life Sciences, MZU
- 2. Dr. R. Lalfakzuala, Head, Dept of Botany, MZU
- 3. Dr. H.T. Lalremsanga, Head, Dept of Zoology, MZU
- 4. Dr. Th. Robert Singh, Head, Dept of Biotechnology, MZU
- 5. Prof. F. Lalnunmawia, Dept of Botany, MZU
- 6. Prof. S.K Mehta, Dept. of Botany, MZU
- 7. Prof. N. Senthil Kumar, Dept of Biotechnology, MZU
- 8. Dr. Y.T. Singh, Dept of Botany, MZU
- 9. Dr. K.S. Devi, Dept of Botany, MZU
- 10. Dr. Vikas Kumar Roy, Dept. of Zoology, MZU
- 11. Dr. Amit Kumar Trivedi, Dept of Zoology, MZU
- 12. Dr. S. Thangminlal Vaiphei, Dept of Biotechnology, MZU
- 13. Dr. Esther Lalnunmawii, Dept of Biotechnology, MZU
- 14. Prof. S.K Tripathi, Dept of Forestry, MZU
- 15. Prof. Diwakar Tiwari, Dept of Chemistry, MZU
- 16. Dr. N.P. Maity, Dept of ECE, MZU
- 17. Prof. A. Muthulakshmi, Dept of Public Administration, MZU
- 18. Prof. N. Rokendro Singh, Dept of Commerce, MZU
- 19. Prof. S.K Sharma, Dept of Hindi, MZU
- 20. Dr. Vanlalhruaii Ralte, Dept of Botany, PUC
- 21. Dr. Bharat Rai, Dept. of Botany, Govt. Kolasib College
- 22. Dr. J. Zosangpuii, Dept. of Zoology, Govt. Kolasib College
- 23. Mrs. Zothantluangi, Dept. of Zoology, Govt. Champhai College
- 24. Dr. Prashant Kumar Singh, Dept of Biotechnology, PUC
- 25. Dr. Fanai Lalsangluaii, Dept of Biochemistry, GZRSC
- 26. Mrs. Lalsangkimi Hmar, Dept of Home Science, GZRSC
- 27. Dr. Lalhmangaihzuali Ralte, Dept of Botany, Govt. Serchhip College

The Chairman of the School Board welcomes all the members and put the agenda before the Committee and each agenda is discussed by the members thoroughly The agenda items submitted by the 3 (three) departments viz. Zoology, Botany and Biotechnology were discussed and resolved as follows :

**No. 1** : Minutes of the  $25^{th}$  School Board meeting is approved by the House.

**No. 2** : 39 nos. of Ph.D Synopsis are approved by the board.

Sl. No.	Name of Scholar, Department and Date of Admission	Title of Research	Supervisor	Joint Supervisor
1	<b>Dinata Roy</b> Dept of Zoology DoA: 04/11/2020	Identification, Characterization, Functional and Immunological analysis of Antimicrobial peptides	Prof. G. Gurusubramani an	
2	Manikandan B. Dept of Zoology DoA: 09/11/2020	Qualitative and Quantitative Molecular Construction of Plant-Pollinator Networks in native and invasive plants		
თ	Saeed Ahmed Laskar Dept of Zoology DoA: 04/11/2020	Nutraceuticals from <i>Trevesia</i> palmata and Parkia timoriana in rat model as potential treatments for human ulcerative colitis disease		
4.	Nisekhoto Nisa Dept of Zoology DoA: 04/11/2020	Neuroprotective activity of <i>Trevesia palmata</i> and <i>Parkia timoriana</i> in aluminum chloride mediated Alzheimer's disease rats.		
5.	Bhanushree Baishya Dept of Zoology DoA: 04/11/2020	Reproductive toxicity of cadmium oxide nanoparticles in Swiss albinomice	Prof. G. Gurusubramani an	
6.	<b>Abinash Giri</b> Dept of Zoology DoA: 01/08/2019	Ecological niche modeling of invasive and native plant species and quantification of plant-pollination networks by eDNA metabarcoding	Gurusubramani an	
7.	<b>Pori Buragohain</b> Dept of Zoology DoA: 01/08/2019	Identification and characterization of nutritional genomics and gut microbiome profiling from Longhorn beetles	Prof. G. Gurusubramani an	

Sl. No.	,	Title of Research	Supervisor	Joint Supervisor
8.	<b>F. Malsawmdawngliana</b> Dept of Zoology DoA: 04/11/2020	Taxonomic assessment of the Scorpion (Arachnida: Scorpiones) fauna of Mizoram, India	Lalremsanga	
9.	<b>Vanlalsiammawii</b> Dept of Zoology DoA: 04/11/2020	Studies on Ecology, Breeding Behavior and Development of Polypedates braueri (Vogt, 1911) (Amphibia: Anura: Rhacophoridae) from Mizoram, India	Lalremsanga	
	<b>Lalmuansanga</b> Dept of Zoology DoA: 04/11/2020	On the biology of the Nagaland Montane Torrent Toad, <i>Duttaphrynus chandai</i> Das, Chetia, Dutta and Sengupta, 2013 (Amphibia: Anura: Bufonidae)	Lalremsanga	
l	Gospel Zothanmawia Hmar Dept of Zoology DoA: 04/11/2020	Inventory and Behaviour Study of Testudines and their Conservation in Mizoram, Northeast India		
12.	Chiging Tupe Dept of Zoology DoA: 04/11/2020		Dr. Esther Lalhmingliani	
13.	Vanlalrempuia Dept of Zoology DoA: 08/08/2019	Expression and role of visfatin in the testis of mice	Dr. Vikas Kumar Roy	
14.	Nicy Vanrohlu Dept of Zoology DoA: 07/11/2020	Effect of copper nanoparticles on the testicular activity of mice	Dr. Vikas Kumar Roy	
15.	Anima Borgohain Dept of Zoology DoA: 03/11/2020	Expression and role of apelin and its receptor in reproductive organs of female mice	Dr. Vikas Kumar Roy	

Sl. No.	Name of Scholar, Department and Date of Admission	Title of Research	Supervisor	Joint Supervisor
16.	Ruth Lalpekhlui Dept of Zoology DoA: 04/11/2020	Molecular regulation of reproduction in white rumped munia ( <i>Lonchura</i> striata)	Dr. Amit Kumar Trivedi	
17.	Subu Yatung Dept of Zoology DoA: 09/11/2020	Daily and seasonal regulation of steroidogenesis in tree sparrow ( <i>Passer montanus</i> )	Dr. Amit Kumar Trivedi	
18.	Lalhruaitluangi Sailo Dept of Zoology DoA: 11/04/2020	Isolation and identification of Staphylococcus aureus from milk and milk products of dairy animals of Mizoram and detection of their virulence potential and antibiotic resistance properties.	Dr. Zothansiama	Dr. Parimal Roy Chaudhury, Asst. prof., Deptt. of Microbiology, College of Veterinary Science & Animal Husbandary, Central Agricultural University, Selesih
	<b>Lalchhanhimi</b> Dept of Zoology DoA: 03/12/2020	Prevalence of Prediabetes among young adult in selected urban and rural areas of Mizoram and evaluate the effectiveness of social drama on prediabetes, diabetes mellitus and lifestyle changes.	Prof. G. Gurusubramani an	Prof. Elsa Sanatombi Dept. of Medical Surgical Nursing, MCON, MAHE, Manipal
	<b>C. Lalramdini</b> Dept of Zoology DoA: 07/12/2020	Prevalence, habits and personal attitude towards tobacco use among health care professionals in Mizoram.	Prof H.T. Lalremsanga	Dr. Lukima Saikia, Asst. Prof.\ Regional College of Nursing, Guwahati
Sl. No.	Name of Scholar, Department and Date of Admission	Title of Research	Supervisor	Joint Supervisor

21	<b>Laldinpuii Sailo</b> Dept of Zoology DoA: 09/12/2020	A study on maternal health literacy, prenatal care and pregnancy outcome amongst post-natal mother in Mizoram.	Dr. Esther Lalhmingliani	Dr. Ranju Rani Das, Vice Principal, Asian Institute of Nursing Education, Guwahati
22	<b>Laltanpuii</b> Dept of Zoology DoA: 07/12/2020	Prevalence and its associated risk factors of malnutrition among children in Civil Hospital of Aizawl, Mizoram.	Roy	saikia, Asst. Prof.\ Regional College of Nursing, Guwahati
23	Mary Lalhlimpuii Dept of Zoology DoA: 02/12/2020	A study to evaluate patient satisfaction with nursing care in Civil Hospital, Aizawl	Trivedi	Prof. Gitumoni Konwar, Principal & Dean, The Assam Global University, Assam
24	Boris Aheibam Deptt. of Biotechnology DOA: 18.11.2020	Evaluation of phytochemical contents and phylogenomics of selected wild <i>Musa</i> spp. of northeast India	Robert Singh,	
25	Lallawmsangi Deptt. of Biotechnology DOA: 17/11/2020	Bioactive potential of endophytic bacteria isolated from medicinal plants and induction of secondary metabolites using co-culture	Dr. Esther Lalnunmawii, Assistant Professor, Department of Biotechnology, MZU	
	<b>Lalfamkimi</b> Deptt. of Biotechnology <b>DOA: 14.12.</b> <b>2020</b>	Covid-19 pandemic in Mizoram: Its effects on psychological and socio- ecomomics challenges	Dr. H. Lalhruaitluanga, Assistant Professor, Department of Biotechnology, MZU	

Sl. No.	Name of Scholar, Department and	Title of Research	Supervisor	Joint Supervisor
	Date of Admission			zapor vicor
27	Helen Lalthianghlimi Sailo Deptt. of Biotechnology DOA: 3.12.2020	Effectiveness of video assisted teaching on knowledge, attitude and practice regarding solid waste management among high school students in selected schools of rural areas in Aizawl district: an evaluative study.	Dr. Esther Lalnunmawii, Assistant Professor, Department of Biotechnology, MZU	Dr. Geeta Das, Principal, B.Sc Nursing College, Silchar
28	Laldingliani Sailo Deptt. of Biotechnology DOA: 03.12.2020	Assessment of Common Health Problems among women between 40-60 years of Mizoram with a view to develop Information Booklet on Significant Health care Needs	Dr. ST Vaiphei, Associate Profesor, Department of Biotechnology, Mizoram University	Prof. Elsa Sanatombi, Dept. Of Medical Surgical Nursing, MCON, MAHE, Manipal
29	Zulvelin Vanlalrosangi Reia Deptt. of Biotechnology DOA: 3/12/2020	Effectiveness of Structured Teaching Program on Knowledge and Practice of Nurses Regarding Pain Management among Children in a Selected Hospital at Mizoram	•	
30	<b>Zomuanawma</b> Deptt. of Botany  DOA: 24/11/20	Molecular and Biochemical Characterization of Phosphate Solubilizing Fungi From Wetland Paddy Field of Mizoram	Lalfakzuala Asso. Prof., Dept	
31	Malsawmthanga Deptt. of Botany DOA: 23/11/20	Molecular and Physico- chemical Characterisation of Pigmented Rice in Mizoram	Dr. Y.T. Singh Asso. Prof., Dept. of Botany, MZU	
32	<b>Laldinliana Khiangte</b> Deptt. of Botany DOA: 18/11/20	_	_	

Sl. No.	Name of Scholar, Department and Date of Admission	Title of Research	Supervisor	Joint Supervisor
	Augusta Lalhmangaihzuali Deptt. of Botany DOA: 24/11/20		-	
	, ,	Study on Nutritional Values of Selected Wild Plants of Kolasib District, Mizoram	Lalbiaknunga Asst. Prof., Dept. of Botany, MZU	
	<b>Singh</b> Deptt. of Botany DOA: 20/11/20	Ethnobotanical Studies of the LOIS Community of Kakching District, Manipur	Asso. Prof., Dept. of Botany, MZU	
36	<b>P.S. Lalbiaktluanga</b> Deptt. of Botany DOA: 18/11/20	8	Dr. R. Lalfakzuala Asso. Prof., Dept of Botany, MZU	
37	Lalnuntluangi Hnamte Deptt. of Botany DOA: 4/12/20	Effect of Self-Management regimens for control of blood sugar among Type-2 DM patients in areas of Aizawl,Mizoram	Dr. Y.T. Singh Asso. Prof., Dept. of Botany, MZU	Dr. Lukima Saikia, Asst. Prof, Regional College of Nursing, Guwahati
38		Effectiveness of Stress management Programme on the level of Stress and coping among under graduated nursing students in selected Nursing Institute of Mizoram	Prof. S.K Mehta, Dept. of Botany, MZU	Prof. Gitumoni Konwar, Royal School of Medical and Allied Sciences, Guwahati
39	Lalhriatpuii Varte Deptt. of Botany DOA: 3/12/20	A STUDY TO EVALUATE THE EFFECTIVENESS OF SELF-INSTRUCTIONAL MODULE ON PALLIATIVE CARE AMONG NURSES WORKING IN SELECTED HOSPITALS OF MIZORAM		Dr. Elsa Sanatombi Devi,Professor, Medical Surgical Nursing, Manipal College of Nursing, Karnataka

**No. 3** : 6 nos. of Panel of Ph.D examiners are approved by the board

	No. 3	• 0 1105.	of Panel of Ph.D examiners a	are approved by t	
Sl.	Deptt.	Name of			Name of
No.	20ptc.	Scholars	Title of Research	Registration	Supervisor/
140.		Scholars		No.	Jt.Supervisor
1	Zoology	Meesala Krishna	Molecular phylogeny of	MZU/Ph.D/11	Prof. G.
1		Murthy	longhorn beetles from	06 of	Gurusubramania
			Northeast India inferred	03.05.2018	n
			by metabarcoding and		
			mitochondrial		
			metagenomics		
	Zoology	Charles	In vitro and in vivo	MZU/Ph.D/11	Prof. H.T.
2.	&	Lalnunfela	investigation of anti-	01 of '	Lalremsanga
			cancer activity and HPTLC	26.05.2016	2011 01110011-801
			fingerprint of <i>Ilex</i>		
			khasiana		
	Zoology	H.C.Lalramngha	Molecular characterization	MZU/Ph.D/11	Prof. H.T.
3.		ki	and Evaluation of locally	30 of	Lalremsanga
			isolated	03.05.2018	Bail officaringa
			Entomopathogenic	00,00,00	
			Nematodes against Major		
			Insect Pests in Mizoram		
4	Biotech	Ms. Christine	Characterization	: MZU/ Ph.D/	Prof. N. Senthil
4		Vanlalbiakdiki	of Mycobacterium	1051 of	Kumar, Dept of
		Sailo	tuberculosis associated with	13.11.2017	Biotechnology,
			Pulmonary Tuberculosis in		MZU
			Mizoram using Genomic		
			Approaches		
5	Botany	SagolshemPriyok		MZU/Ph.D./103	Dr. Y.T. Singh
5	3			1 of	S
		8		26/05/2017	
			of North East India	, , ,	
	Botany	Abhijeet Mahana	Biological systhesis of	MZU/Ph.D/10	Prof. S.K. Mehta
6	<i>J</i>		metallic nanoparticles	13 of	
			(AgNP and ZnNP) using	26.05.2017	
			freshwater microalgae and		
			cynobacteria		
	1	l	I J	l .	

**No. 4** : Supervisors/Joint Supervisors are approved as follows

Sl.		Title of Research	Supervisor	Joint
No.	and	Title of Rescurent	Supervisor	Supervisor
110.	Department			Supervisor
	-	Prevalence of Prediabetes	Prof. G.	Dest Else
1				Prof. Elsa
1	Deptt. of Zoology	among young adult in	Gurusubrama	
		selected urban and rural	nian	Dept. of
		areas of Mizoram and		Medical
		evaluate the effectiveness		Surgical
		of social drama on		Nursing,
		prediabetes, diabetes		MCON, MAHE,
		mellitus and lifestyle		Manipal
	0.7.1	changes.	D C 11/0	D I 1'
2	C. Lalramdini	Prevalence, habits and	Prof H.T.	Dr. Lukima
	Deptt. of Zoology	personal attitude towards	Lalremsanga	Saikia,
		tobacco use among health		Asst. Prof.\
		care professionals in		Regional
		Mizoram.		College of
				Nursing,
2	T 11: 0	A	D D //	Guwahati
3.	_	A study on maternal	Dr. Esther	Dr. Ranju
	1 00	health literacy, prenatal	Lalhmingliani	Rani Das,
		care and pregnancy		Vice Principal,
		outcome amongst post-		Asian Institute
		natal mother in Mizoram.		of Nursing
				Education,
4	T 4,	D 1 1 '4	D 17'1	Guwahati
4.	<b>-</b>	Prevalence and its	Dr. Vikas	Dr. Lukima
	Deptt. of Zoology	associated risk factors of	Kumar Roy	Saikia,
		malnutrition among		Asst. Prof.\
		children in Civil Hospital		Regional
		of Aizawl, Mizoram.		College of
				Nursing,
	N/	A atrada to assistant	Dr. Amit	Guwahati
5.	Mary	A study to evaluate	-	Prof. Gitumoni
	Lalhlimpuii	patient satisfaction with	Kumar Trivedi	,
		nursing care in Civil		Principal &
		Hospital, Aizawl		Dean, The
				Assam Global
				University,
				Assam

Sl.	Name of Scholar	Title of Research	Supervisor	Joint
No.	and			Supervisor
	Department			
6	Lalfamkimi	Covid-19 pandemic in	Dr. H.	Dr. Unmona
	±	Mizoram: Its effects on	Lalhruaitluan	Borgohain,
		psychological and socio-	ga, Assistant	Principal cum
		ecomomics challenges.	Professor,	Nursing
			Department of	-
			Biotechnology,	
			MZU	Nursing
				Education, Gauhati
7	Helen Lalthianghlimi	Effectiveness of video	Dr. Esther	Dr. Geeta Das,
'		assisted teaching on	Lalnunmawii,	Principal, B.Sc
		knowledge, attitude and	Assistant	Nursing
	pepte. of Bioteeninology	practice regarding solid	Professor,	College, Silchar
		waste management among	Department of	
		high school students in	Biotechnology,	
		selected schools of rural	MZU	
		areas in Aizawl district: an		
		evaluative study		
8	Ms. Laldingliani	Assessment of Common	Dr. ST	Prof. Elsa
		Health Problems among women between 40-60	Vaiphei, Associate	Sanatombi,
		years of Mizoram with a	Professor,	Dept. Of Medical
	Deptt. of Biotechnology	view to develop Information	Department of	
		Booklet on Significant	Biotechnology,	_
		Health care Needs	Mizoram	MCON, MAHE,
			University	Manipal
9	Zulvelin	Effectiveness of Structured	Dr. ST	Dr. Shyam
		Teaching Program on	Vaiphei,	Sundar
	Deptt. of Biotechnology	Knowledge and Practice of	Associate	Sharma,
		Nurses Regarding Pain	Professor,	Professor,
		Management among		Jaipur Nursing
		Children in a Selected Hospital at Mizoram	Biotechnology, Mizoram	College, Jaipur, Rajasthan.
		riospitai at Mizorain	Mizorani	Rajasillall.
10	Lalnuntluangi	Effect of Self-Management	Dr. Y.T. Singh	Dr. Lukima
	_	regimens for control of	Asso. Prof.,	Saikia, Asst.
		blood sugar among Type-2	Dept. of	Prof, Regional
		DM patients	Botany, MZU	College of
		in areas of Aizawl,Mizoram		Nursing,
				Guwahati

Sl. No.	Name of Scholar and	Title of Research	Supervisor	Joint Supervisor
	Department			эмрогово.
11	Deptt. of Botany	Effectiveness of Stress management Programme on the level of Stress and coping among under	Prof. S.K Mehta, Dept. of Botany, MZU	Prof. Gitumoni Konwar, Royal School of Medical and
		graduated nursing students in selected Nursing Institute of Mizoram		Allied Sciences, Guwahati
12		A STUDY TO EVALUATE THE EFFECTIVENESS OF SELF-INSTRUCTIONAL		Dr. Elsa Sanatombi Devi,Professor,
	1	MODULE ON PALLIATIVE CARE AMONG NURSES WORKING IN SELECTED HOSPITALS OF MIZORAM	Dept of Botany, MZU	Medical Surgical Nursing, Manipal College of Nursing, Karnataka
13	<b>P.C. Lalbiaknii</b> Deptt. of Botany	Study on Non-Timber Forest Products: Phenological and phytochemical analysis of selected plants within Lunglei District, Mizoram	Prof. F. Lalnunmawia, Dept. of Botany, MZU	Dr. Vanlalhruaiii Ralte, Asso. Professor, Dept. of Botany, Pachhunga University College MZU
		Assessment of free radical scavenging property, antimicrobial activity and diuretic effect of <i>Hedyotis scandens</i> Roxb. (Rubiaceae)	Prof. F. Lalnunmawia, Dept. of Botany, MZU	Dr. Vanlalhruaiii Ralte, Asso. Professor, Dept. of Botany, Pachhunga University College MZU

Sl. No.	Name of Scholar and Department	Title of Research	Supervisor	Joint Supervisor
15	Deptt. of Botany	phytochemical profiles of weeds in paddy fields of	Prof. F. Lalnunmawia, Dept. of Botany, MZU	Dr. H. Lalruatsanga, Asso.Professor, Dept. of Botany, Pachhunga University College MZU
	Deptt. of Botany	palm <i>(Elaeis guineensis Jacq.)</i> Plantation in Kolasib	Prof. F. Lalnunmawia, Dept. of Botany, MZU	Dr. H. Lalruatsanga, Asso. Professor, Dept. of Botany, Pachhunga University College MZU

## No. 5 : Change of title in Ph.D thesis are approved as below

Sl No	Deptt.	Name of Scholars	Original Title of Research	Change of title	Name of Supervisor/ Jt.Supervisor
1	Botany	M. Michael			Prof. F.
1	Dotaily	Phairong		nutrient supplement on	Lalnunmawia
				growth, productivity	
		MZU/Ph.D./84		and capsaicin content	
		4 of	of Capsicum annum	of Capsicum frutescens	
		26/05/2016	L.		
2	Zoology	F.	Evaluation of the	Bioassay-guided	Dr.
4	Zoology	Nghakliana	antineoplastic	isolation of the anti-	Zothansiama
			activities of	neoplastic compound	
			Elaeagnus caudata	from <i>Elaeagnus</i>	
			Schltdl.	caudata Schltdl	

## **No. 6:** Extension of Ph.D Registration are approved by the board as below

<b>S1.</b>	Name	Regn. No	Supervisor	D.O.A	Duration	Reason
No						
1	M. Michael	MZU/Ph.D./844	Prof. F.	13.8.2015	2 years	Time
	Phairong	of 26/05/2016	Lalnunmawia			required for
						duration
						between pre-
						submission

						and final submission
2	C. David Malawmtluanga	MZU/Ph.D./922 of 22/04/2016	Dr. J. Lalbiaknunga	13.8.2015	1 year	Work not fully done due to pandemic
3	Vanlalhruaia	MZU/Ph.D./843 of 22/04/2016	Dr. J. Lalbiaknunga	13.8.2015	1 year	Laboratory work not fully done due to pandemic

**No. 7**: Minor revision for Ph.D Course Work for Biotechnology has been approved by the board after thorough discussion

NO. BIOTECH/PH.D/603/D: APPLIED & CELLULAR MICROBIOLOGY (CELLULAR STRESS RESPONSES IN PROKARYOTES)

**No. 8**: Pre-Ph.D. course work in Botany - LSB-604(B): Soil and Environmental Microbiology is approved by the board.

**No. 9**: Inclusion of additional Ph.D Course in Biotechnology (NO. BIOTECH/ PH.D./603/F: ENVIRONMENTAL MICROBIOLOGY) is approved.

**No. 10** : Course syllabus for M.Sc Botany (Microbiology) is approved by the board.

**No. 11**: Inclusion of additional M.Sc Course in Biotechnology (NO. BIOTECH/4/SC/32: MICROBIAL TECHNOLOGY) is approved by the board

**No. 12**: Minor revision in M.Sc Biotechnology Course (NO. BIOTECH/03/CC/16: IMMUNOLOGY) is approved by the board.

Sd/-

(PROF. G. GURUSUBRAMANIAN)

Chairman Board of School in Life Sciences