

Activities of the Cell :

Besides encouraging undertaking projects, faculty of the college too has published articles, proceedings volumes and edited books. Since 2009 the college has a no of publication with ISBN published from both national and regional publishing house. Till date a number of 18 publications has been published by the college.

- Research Innovation and Publication Cell **conducted a talk on “Choice Based Credit System: Challenges and Prospects”** on the 13th August 2015 so as to enable all stakeholders in education system to get acquainted, and learn more of the new system keeping in mind the constraints that are faced by colleges of the State especially rural college where there is lack of manpower and infrastructure.
- Interactive Program on **“Research and Innovation in Under Graduate Colleges”** on the 16th October 2016. Prof B. Myrboh, Pro Vice Chancellor, North Eastern Hill University was the Resource Person.
- Research and publication Cell organised a **Seven Day National Workshop on “Research Methodology”** on the 7th -13th June 2017 at Shillong College, Conference Hall, sponsored by ICSSR (NERC) NEHU, SCSTE & Chief Minister VAF Fund. Participants included faculty from rural colleges as well as faculty of the host institution. Renowned Resource persons from within the region and outside the State shared their inputs and expertise. During the Seven Day Workshop deliberations on the need and importance were discussed.
- An Awareness Program on the **“Role of ICSSR in promoting Research and Publication”** was held on the 26th April 2019. Dr C. J Thomas, Deputy Director ICSSR NERC NEHU was the Resource Person and he highlighted the importance of Research and Creativity in the various academic fields. He encouraged the participants/ faculty to take the opportunity of Research and informed that many organisations are extending their support and funding to Researchers especially in the field of Basic and Applied Sciences.

Research Projects:

- a. Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise from 2016:

Year	Number	Title of Project
2016-17	9	<u>Compilation under process</u> College funded projects 1. Dr. Lucy Jyrwa: “Qualitative and Quantitative Analysis of Zooplankton from Water Samples of Ponds around Mawthadraishan, West Khasi Hills”, 2016-17. 2. Dr. Lucy Jyrwa: “Study of the Haematological and Histological Effect of Neemastra Pesticide on the Blood Cells and Tissues of Clarias Gariepinus”, 2016-17 3. Smt. Bahun M. L. Wanswett and Smt. Kathleen G. Nengnong: “A Brief

		<p>Study on the Learning Problems and Difficulties of Students at the Higher Secondary Level of Education in Shillong”, 2016-18.</p> <p>4. Smt. J. Rivulet Gidon: “A Study on Problems Faced by Students in Learning Mathematics at Secondary Level”, 2016-17.</p> <p>5. Dr. E. M. Pala: “Scanning Electron Microscopic (SEM) Study of Scales of Labeo Rohita Obtained from a Local Fish Market, Iew Duh in Shillong, Meghalaya”, 2016-17.</p> <p>6. Dr. E. M. Pala: “Energy Dispersive X-Ray Spectroscopy (EDS) Study of Scales of Labeo Rohita Obtained from a Local Fish Market, Iew Duh In Shillong, Meghalaya”, 2016-17.</p> <p>7. Mrs. Mary Diengdoh: “Bacteriological Analysis of Pond Water Located in Mawthadraishan Village, West Khasi Hills District, Meghalaya”, 2016-17.</p> <p>8. Smt. D. Kharshandi: “Qualitative and Quantitative Analysis of Phytoplankton from Water Samples of Ponds in Mawthadraishan, West Khasi Hills District”, 2016-17.</p> <p>9. Smt. Betbhalin Lyngdoh: “A User Survey on the Usage of College Libraries by Undergraduate Students in Shillong, Meghalaya”</p>
2017-18	5	<p>1. Dr. Lucy Jyrwa: “To Study the Ecotonal Impact along Umsyiem and Lyngkhat Villages which are the Border Areas of Meghalaya and Bangladesh”, 2017-18.</p> <p>2. Dr. Lucy Jyrwa: “Elucidation on the Characteristic Features of an Ecotonal Area and the Existence of Various Fauna along Laitkynsew and Nongwar Villages the Border Area Between Meghalaya and Bangladesh”, 2017-18</p> <p>3. Dr. Lucy Jyrwa: “Elucidation on the Characteristic Features of an Ecotonal Area and the Existence of Various Fauna along Shella Village, the Border Area between Meghalaya and Bangladesh”, 2017-18.</p> <p>4. Shri L. Khongiang: “Students” Attitude Towards Physics Practical at the Undergraduate (College) Level: A Study of the Colleges in Meghalaya”</p> <p>5. Dr. Shanwell Khongwir: “Survey of Anuran Species in and Around Mawkyrwat, South West Khasi Hills District, Meghalaya, North-East India”</p>
2018-19	9	<p>1. Smt. Aiom Mitri: “ Student Performance Classification Based on Their Usage Statistic of MOODLE”</p> <p>2. Dr. (Smt.) A. Lyngdoh: “Mushroom Poisoning: A Study on Knowledge Attitude and Practice (KAP) in East Khasi Hills”, 2017-18.</p> <p>3. Dr. Shruti Pandey: “ Folklore In Translation”</p> <p>4. Dr B. Mawrie: “Comparative analysis of surface and underground water quality in the fourth furlong area Shillong-</p>

		<p>5 Dr. E. M. Pala: “A survey on fish diversity along the river Umiew in Laitlyngkot village, East Khasi Hills Meghalaya”-</p> <p>6 Dr. L. M. Jyrwa “To study the diversity of fishes in the middle region of Umiam River and the quality of water between Umiam lake and Umiam river”-</p> <p>7 Dr. L. M. Jyrwa “To study the diversity and habitat of fresh water snails and other aquatic animals in Myntang River”-</p> <p>8 Dr. S. Khongwir: „Diversity of zooplankton in Chandra Reservoir, Smit East Khasi Hills”</p> <p>9 Shri. Zoliansanga: „Invitroanitibacterial activity Phytochemical screening of selected mushrooms in Meghalaya”-</p>
--	--	--

b. Research funds sanctioned and received from various agencies, industry and other organizations from 2016

Nature of the Project	Duration	Name of the funding Agency	Total grant Sanctioned	Amount receive year from 2016: 2016-17
Major projects				
Minor Projects	<p>“ Ultra Structural and Elemental Analysis of Certain Tissues of Cyprinus Carpio (Common Carp) Inhabiting Two Government Fish Farms in East Khasi Hills District, Meghalaya” Dr E. Pala, Department of Zoology Letter No. F.5-321/2015-16/ MRP/ NERO/1051</p>	UGC- NERO	Rs. 3,20,000 /-	Rs.3,20,000 /-

NB: The following are the list of UGC- NERO sponsored Minor Research projects which have been duly completed.

- Dr. M. Lynser “Non Timber Forest Products Used and Extraction in Community Forests of East Khasi Hills Distric
Status: Completed
Total Amount Sanctioned: Rs. 3,25,000 /-
Letter No. F.5-235/2014-15/ MRP? NERP/2274 dt 17th Feb. 2015
- Dr. L. Jyrwa : “ Impact of Stone and Sand Quarry on Aquatic Ecosystem along Umtyngar River, East Khasi Hills D
Status: Completed
Total Amount Sanctioned: Rs. 4,60,000 /-
Letter No F.5-491/2014-15/ MRP/ NERO/2936 dt 4th March 2015
- Dr. Shruti Pandey: “ Khasi Bhasha Aur Sahitya Ka Vikasatmak Adhyayan- A Study of the Development of Khasi L

Status: Completed

Total Amount Sanctioned: Rs. 3,00,000 /-

Letter No. F.5-285/2014-15/ MRP/ NERO/3476 dt 17th march. 2015

4. Dr. B. M. Laloo: “ BF₃. Et₂O Mediated Alpha-Halogenation of Propiophenones”

Status: Completed

Total Amount Sanctioned: Rs. 2,40,000 /-

Letter No. F.5-97/2014-15/ MRP/ NERO/481

5. Dr. S. Khongwir: “Physico Chemical.....Shillong, Meghalaya”

Status: Completed

Total Amount Sanctioned: Rs. 4,00,000 /-

Letter No. F.5-492/2014-15/ MRP/ NERO/482

List of projects completed since 2009:

- Teachers’ Project(2009-2019)= 23
- Teachers’ Student projects(2009-2019)=23

List of number of Minor Research Projects sponsored by the UGC, NERO:

- (2009-18)=13 completed

Institutional Publications :

Title of publication	Name of the author’s/editors	Year of publication	Name of the publisher	ISBN/ ISSN/RNI number	Average Impact factor in any	Any additional information
Proceedings of Workshop on „Mushroom Cultivation“	Department Of Botany	2011	Shillong College			
Proceedings volume of Regional Workshop on Entrepreneurship Development: Opportunities & Challenges in the North Eastern Region	EDC, Shillong College	2012.	Shillong College			
Global Financial Crisis - Implications and Repercussions,	Dr M. N Bhattacharjee, Dr M. Dey, Smt B. Wanniang,	2012	ISBN Publication	ISBN: 978-93-80261-669		

	Dr Sankar Sarma Shri L. Pathaw					
Thought and Reality - A Critical Study of Hegel's Philosophy	Dr. K. D. Ramsiej	2013	Concept Publishing Company (P) Ltd., New Delhi 110059	ISBN-13:978-81-8069-955-9		
Few Newer Perspectives Proceedings of the UGC-sponsored National Seminar on "Emerging Trends in Networking and Cloud Computing"	Dr M N Bhattacharjee Smt A. M Mitri Shri Banteilang Mukhim	2014	EBH Publishers (India)	ISBN: 978-93-83252-80-0,		
Women's Wide Canvas -Issues and Challenges.	Dr Evakorlang Kharkongor Smt Indasien S. Warjri	2015.	EBH Publishers (India)	ISBN: 978-93- 83252-45-9		
Venturing into Research & Innovation published by Research Innovation Cell, Shillong Cell on the	Dr D L Buam Dr S Khyriemmujat Dr S Khongwir	2016.	Shillong College			Compilation of all UGC-MRP and College Projects as a volume: Venturing into Research & Innovation published by Research Innovation Cell, Shillong Cell on the 16 th October 2016.
Reasserting Basic Sciences	Dr M. N. Bhattacharjee etc.	2016	Eastern Book House India	ISBN 978-93-83252-79-4		
Exploring Chemistry: interface with Human Welfare-	M N Bhattacharjee etc	2017	Eastern Book House India	ISBN 978-93-83252-657.		

“Translation: Transcending Boundaries ”	B. Wanniang. M. N. Bhattacharjee, A. Nongbri, S. Pandey & L. D. Marak:	2017	Eastern Book House, India	ISBN No: 978-93-86302-27-4; 2017.		
“Sonder”, A Collection of Essays, Poems & Short Fictions.	Amanda Basaiawmoit	2017	Wordsmith Publishers, Guwahati,	ISBN No. 978-93-84455-02-6.		
Proceedings of Seven Day National Workshop on Research Methodology organized by the Research Innovation and Publication Cell and IQ AC on 7th-13 th June 2017.	Dr E. Kharkongor Dr S Khyriemmujaat Dr S Khongwir Dr B. M Laloo	2017	Shillong College			
Proceedings of Two Day International Seminar on “Cross Border Connectivity and Inclusive Growth: Possibilities and Challenges with special reference to the North Eastern Region.	Dr E. Kharkongor Dr S Sarma Dr R. Dkhar Dr S Khyriemmujaat	2018	Shillong College			
Proceedings of the Two Day National Conference on NAAC Revised Accreditation Framework: Challenges and Opportunities with Special Reference to the North Eastern Region	Dr E. Kharkongor Dr S Sarma Dr S Khyriemmujaat Dr S Khongwir	2018	Shillong College			
Proceedings of the Two Day International	Shillong College Central Library and IQAC,	2018	Shillong College			

Conference on “Bridging The Digital Divide: Role of Libraries & Information Centres With Special Reference to North Eastern Region”						
Proceedings of the Two Day National Seminar on The Changing Dynamics of Tribal Society in India with Special Reference to North Eastern Region	Department of Sociology and IQAC, Shillong College, Shillong	2019	Shillong College			
Interdisciplinary Journal “Echoes from the Hills” (print) Vol I Society and Social Change	Shillong College	July 2018		ISSN: 2581-5253 RNI. Reg. No MEGENG/2017/74683		
Interdisciplinary Journal “Echoes from the Hills” (print) Vol II Modern Environments: Emerging trends	Shillong College	December 2018		ISSN: 2581-5253 RNI. Reg. No MEGENG/2017/74683		
Interdisciplinary Journal “Echoes from the Hills” (print) Vol III Sustainable Development – Possibilities and Challenges	Shillong College	December 2019		ISSN:2581-5253 RNI. Reg. No MEGENG/2017/74683		

College Funded Minor Research Projects completed 2015-18

1. Lasolang I. Jones Rymbai (Student, Zoology Dept.): “Survey of Fish Diversity of Some Selected Rivers and Streams in Amlarem, Jaintia Hills District, Meghalaya, India”, 2015-16.
2. Dr. Lucy Jyrwa: “ Surveying the Distribution and Ecological Habitat of Funnel Web Spider in East Khasi Hills District, Meghalaya”, 2015-16.
3. Dr. Lucy Jyrwa: “Qualitative and Quantitative Analysis of Zooplankton from Water Samples of Ponds around Mawthadraishan, West Khasi Hills”, 2016-17.

4. Dr. Lucy Jyrwa: "Study of the Haematological and Histological Effect of Neemastra Pesticide on the Blood Cells and Tissues of Clarias Gariepinus", 2016-17
5. Smt. Bahun M. L. Wanswett and Smt. Kathleen G. Nengnong: "A Brief Study on the Learning Problems and Difficulties of Students at the Higher Secondary Level of Education in Shillong", 2016-18
6. Smt. J. Rivulet Gidon: "A Study on Problems Faced by Students in Learning Mathematics at Secondary Level", 2016-17.
7. Dr. E. M. Pala: "Scanning Electron Microscopic (SEM) Study of Scales of Labeo Rohita Obtained from a Local Fish Market, Iew Duh in Shillong, Meghalaya", 2016-17.
8. Dr. E. M. Pala: "Energy Dispersive X-Ray Spectroscopy (EDS) Study of Scales of Labeo Rohita Obtained from a Local Fish Market, Iew Duh In Shillong, Meghalaya", 2016-17.
9. Mrs. Mary Diengdoh: "Bacteriological Analysis of Pond Water Located in Mawthadraishan Village, West Khasi Hills District, Meghalaya", 2016-17.
10. Smt. D. Kharshandi: "Qualitative and Quantitative Analysis of Phytoplankton from Water Samples of Ponds in Mawthadraishan, West Khasi Hills District", 2016-17.
11. Dr. Lucy Jyrwa: "To Study the Ecotonal Impact along Umsyiem and Lyngkhat Villages which are the Border Areas of Meghalaya and Bangladesh", 2017-18.
12. Dr. Lucy Jyrwa: "Elucidation on the Characteristic Features of an Ecotonal Area and the Existence of Various Fauna along Laitkynsew and Nongwar Villages the Border Area Between Meghalaya and Bangladesh", 2017-18
13. Dr. Lucy Jyrwa: "Elucidation on the Characteristic Features of an Ecotonal Area and the Existence of Various Fauna along Shella Village, the Border Area between Meghalaya and Bangladesh", 2017-18.
14. Shri L. Khongiang: "Students' Attitude Towards Physics Practical at the Undergraduate (College) Level: A Study of the Colleges in Meghalaya"
15. Dr. Shanwell Khongwir: "Survey of Anuran Species in and Around Mawkyrwat, South West Khasi Hills District, Meghalaya, North-East India"
16. Smt. Betbhalin Lyngdoh: "A User Survey on the Usage of College Libraries by Undergraduate Students in Shillong, Meghalaya"
17. Dr. I. Lyngdoh: "Assessing of Microbial Quality of Supply Water in Pynthorumkhrah, Shillong"

College Funded Minor Research Projects completed 2018-19 (Ongoing)

1. Smt. Aiom Mitri: " Student Performance Classification Based on Their Usage Statistic of MOODLE"
2. Dr. (Smt.) A. Lyngdoh: "Mushroom Poisoning: A Study on Knowledge Attitude and Practice (KAP) in East Khasi Hills"
3. Dr. Shruti Pandey: " Folklore In Translation"
4. Dr B. Mawrie: "Comparative analysis of surface and underground water quality in the fourth furlong area Shillong-
5. Dr. E. M. Pala: "A survey on fish diversity along the river Umiew in Laitlyngkot village, East Khasi Hills Meghalaya""
6. Dr. L. M. Jyrwa "To study the diversity of fishes in the middle region of Umiam River and the quality of water between Umiam lake and Umiam river""
7. Dr. L. M. Jyrwa "To study the diversity and habitat of fresh water snails and other aquatic animals in Myntang River"
8. Dr. S. Khongwir: ", "Diversity of zooplankton in Chandra Reservoir, Smit East Khasi Hills""

9. Shri. Zoliansanga: „Invitroanitibacterial activity Phytochemical screening of selected mushrooms in Meghalaya““

UGC MRP (Completed projects) 2016

1. Dr. M. Lynser “Non Timber Forest Products Used and Extraction in Community Forests of East Khasi Hills District of Meghalaya”
2. Dr. L. Jyrwa : “ Impact of Stone and Sand Quarry on Aquatic Ecosystem along Umtyngar River, East Khasi Hills District, Meghalaya”
3. Dr. Shruti Pandey: “ Khasi Bhasha Aur Sahitya Ka Vikasatmak Adhyayan- A Study of the Development of Khasi Language and Literature”
4. Dr. B. M. Laloo: “ BF₃. Et₂O Mediated Alpha-Halogenation of Propiophenones”
5. Dr E. Pala: “ Ultra Structural and Elemental Analysis of Certain Tissues of Cyprinus Carpio (Common Carp) Inhabiting Two Government Fish Farms in East Khasi Hills District, Meghalaya”
6. Dr. S. Khongwir: “Physico Chemical.....Shillong, Meghalaya”

Projects sponsored by the College:

Year	Teachers'	Student-Teachers'
2009-10	4	3
2010-11	2	-
2011-12	1	-
2012-13	1	-
2014-15	5	5
2015-16	6	6
2016-17	2	2
2017-18	2	2
2018-19	3	6

Projects Sponsored by UGC, NERO:

Year	Science	Arts
2009-10	3	0
2014-16	4	1
2016-17	1	1
2017-18	0	0
2018-19	0	0



Dr. K. D. Ramsiej, Former Principal, Shillong College, Shillong delivering a speech during the Interactive Programme on Research & Publication held on 16th October, 2015



Prof. B. Myrboh, Guest Speaker delivering a lecture during the Interactive Programme on Research & Publication held on 16th October, 2015



Felicitation of Prof. B. Myrboh, Guest Speaker during the Interactive Programme on Research & Publication held on 16th October, 2015



Seven Day National Workshop on Research Methodology held from 7th June to 13th June, 2017



Release of the First Issue of the Interdisciplinary Journal Echoes From The Hills By Deputy Chief Minister Shri Preston Tynsong in the presence of Pro Vice-Chancellor NEHU Dr. Henry Lamin held on 24th July, 2018



Release of the Second Issue of the Interdisciplinary Journal Echoes you From The Hills by the Principal Dr today K.D Ramsiej in presence of President Governing body Professor B. Myrboh on 20th December 2018.



Dr C.J Thomas Deputy Director ICSSR delivering Lecture on Role of ICSSR in promoting Research and Publication held in on 26th April 2019.