

SEMINAR/ CONFERENCE ETC. ATTENDED BY B. ZOLIANA:

1(a). Invited Lectures delivered and Chairmanships at International/National/ Regional/ Local conference/seminar etc.

Sl. No	Title of Lecture/ Academic Session	Title of Conference/ Seminar	Organised by	What level
1	Chairman of 2 nd Technical session	Symposium on Recent trends & Development of Radiation and Its Applications	Deptt. of Physics, PUCollege. Aizawl	state level
2	Invited lecture on Radiation Safety	State Level Training on Hospital Safety and Emergency Medical Services on 19-23 Nov 2012	Administrative Training Institute, Mizoram, Aizawl	State level
3	Invited lecture on Radiation Safety	State Level Training on Hospital Safety and Emergency Medical Services on 9-13 Dec 2013	Administrative Training Institute, Mizoram, Aizawl	state level
4	Invited lecture on Radon and Lung Cancer	State Level Training on Hospital Safety and Emergency Medical Services on 9-13 Dec 2013	Administrative Training Institute, Mizoram, Aizawl	state level
5	Invited lecture on Career Counseling in Physical Sciences	Personality Development during 15-26 April, 2013	Career Counseling & Placement Cell, GZRSC	College level
6	Invited lecture on Radiation Safety at Home and in Hospital	Two days Workshop on Physics Teaching in Higher Secondary Schools of Mizoram	Department of Physics, MZU	State level
7	Invited lecture on Light Technology	State level Observance of International Year of Light and Light based Technology at Mizoram Science Centre, Aizawl on 15.11.2015	DST, Mizoram	State level
8	Invited Lectures in Radiation Safety	3 Days Training on Mental Health Cum Disaster Management for Medical Officers during 27-29. June 2017	Administrative Training Institute, Mizoram. Aizawl	State level
9	Invited Lectures in Radiation Safety	3 Days Training on Hospital Safety and Emergency Medical Services during 12-14 Decv2017	Administrative Training Institute, Mizoram. Aizawl	State level
10	Invitated as a Resource Person in 3 months course on Winter	Environmental Research Techniques	GZRSC,MPCB, MSLSA & HRDC MZU	State level

	School			
11	Chairman of Earth Scs & Applied session	Mizoram Science Congress 2016	MZU	National level

1(b). Papers presented in Conferences,/Seminar/Workshops/Symposia attended.

Sl. No	Title of the Paper presented	Title of Conference/ Seminar etc	Organised by	What level
1	Participated as a Resource person using the topic- <i>Radiation leh a in ven theihna dan (Hazards and Prevention from Radiation)</i>	state level Science Seminar on 10.8.2001	Mizo Post Graduate Science Society , Aizawl	State level
2.	Participated and presented Oral Presentation - <i>Application of Projection Operator method of Group Theory to Photoemission calculations,</i>	Third Regional Conference on Physic Research in North-East India, Dibrugarh University, Dibrugarh, 9th November 2002.	Dibrugarh University,	Regional
3.	Participated and Presented Oral Presentation- <i>A model photoemission calculation by using Projection Operator Method of Group Theory</i>	Colloquium for Young Physicists held at Saha Institute of Nuclear Physics (SINP) during 2-3.9.2004. Physics	Saha Institute of Nuclear Physics (SINP)	National level
4.	Participated as a Resource Person in one day State Seminar on Celebration of International Year of Physics and presented a paper- <i>'The Life and works of Albert Einstein'</i> .	Seminar on Celebration of International Year of Physics	Jointly organised by Mizoram Council of Science, Technology & Environment, Govt. of Mizoram, Aizawl on 28.2.2005.	State level
5.	Participated as a Resource Person	2-day orientation course in Fortran Programming for Physics Teachers of Colleges in Mizoram	Department of Physics, Mizoram University on 4-5. 5.2006	State level
6.	Participated and presented Oral Presentation- Application of projection	Fifth Regional Conference on Physics Research in	Department of Physics, Gauhati	Regional level

	operator method to define basis functions for use in photoemission,	North-East,	University, 1-2.3.2007.	
7.	Participated and presented Oral Presentation- 'Science Community in Mizoram, Trends and Prospects'	in the state level seminar on Scientific Research: Scope and Prospects in Mizoram	Mizo Post Graduate Science Society on 16.8.2007.	State level
8.	Participated and presented Oral Presentation- Indoor and Outdoor Radon Monitoring in Mizoram	State level symposium on Recent Advances in Science and Technology	organised by Mizoram Science Society and Govt. of Mizoram on 30.5.2008.	state level
9.	Participated as a Resource Person in one day Seminar on 'Popularisation of Research Activities' - Monitoring of Indoor and Outdoor Radon, Thoron and their Progenies in Mizoram,	one day Seminar on 'Popularisation of Research Activities'	Research, Consultancy and Extension Cell, Govt. Zirtiri Residential Science College, Aizawl, Mizoram on Dt. 1.10.2009	College level
10	Participated and presented a paper entitled -Measurement of Equilibrium Factors and Inhalation dose for radon/thoron in dwellings using Direct Progeny Sensors in North-Eastern region of India.	7 th International Conference on High Levels of Natural Radiation and Radon Areas (7HLNRRA), Nov. 24-26, 2010	Organised by BARC at The Park Hotel, Navi Mumbai 24-26.11.2010	International
11	Participated and presented a paper- Natural Background Radiation and Lung Cancer in Aizawl District, Mizoram, India.	one day Seminar on Observation of National Science Day	Jointly organised by Science, Technology & Environment, Govt. of Mizoram and Mizo Post Graduate Science Society, Aizawl on 28.2.2011.	State level
12	Participated and presented a paper on-Environmental Pollution due to Radon in Aizawl District, Mizoram, India	one day Seminar on Observation of World Environment Day.	NSS Unit, GZRSC, Aizawl, Mizoram on Dt.5.6.2010.	State level

13	Presented a paper-Application of Radiation in Medical Science	Symposium on Recent trends & Development of Radiation and Its Applications	Physics Deptt. PUC on 5.10.2011	State level
14	Presented a paper 'The Study of Population Dosimetry in North Eastern India'	International Symposium on the Natural Radiation Exposures and Low Dose Radiation Epidemiological Studies ,Japan	Hirosaki University	International
15	Presented a paper 'Measurement of natural background radiation in Mizoram'	One day state level seminar on Recent Advances in Radiation Physics	Department of Physics, MZU 15.4.2011	State level
16	Presented a paper 'Measurement of Equilibrium Factor for Indoor Radon/Thoron Using Direct Progeny Sensor in North Eastern India'.	2012 IEEE Symposium on Radiation Measurements and Applications	Department of Nuclear Engineering, University of California, Berkeley and Lawrence Berkeley laboratory, Berkeley, California	International level
17	Presented a paper-Radiation Safety in Medical Diagnostic Imaging	Inter-Departmental Seminar on Radiation Hazards Safety cum Display of Adulteration Practice	Department of Electronics and Home Science, GZRSC	College level
18	Participated and presented paper	International Conference cum Exhibition on Drugs Discovery and Development from Natural Resources,	Department of Pharmacy RIPANS.	International level
19	Presented a paper-Measurement of Radon Concentration in Dwellings in the region of Highest Lung Cancer Incidence in India	National Conference on Radiation Awareness and Detection in Natural Environment (RADNET-I) during June 15-17,2015	HNB Garhwal Univ. & Govt. P.G.College, New Tehri, Uttarakhand.	National level
20	Presented a paper	Seminar on Science and Technology for a Sustainable Future held on National Science Day, 28.2.2018	GZRSC & DST New Delhi	College
21	Presented a paper	Health Physics 2018	Health Physics	International

		Annual Meeting, at Cleveland, Ohio, USA	Society, MCLean, VA 22101, USA	al level
22	Presented a paper	SSNTD-17	Dept of Physics, Vadodara Gujarat	National level
23	Presented a paper	SSNTD-18	Ballabgarh, Haryana	National level

1(d). Organization of Training Courses, Summer/Winter School/Teaching-Learning-Evaluation Technology Programmes, Soft Skills Development Programmes, Faculty Development Programmes :

Sl. No	Programme	Duration	Sponsoring Agency	Level of Organising
1	Organising member of Winter School on Environmental Research Techniques	3 months Dec 2017- Feb.2018	RUSA	State level
2	Organising member of Hands on Training on Molecular Research Techniques	7 days, 31 st May 2018-6 th June 2018	RUSA	College level
3	Organising Chairman, Hands-on training on Fabric Stencilling at Venglai Middle School on 31.8.2018	1 day, 31.8.2018	RUSA	College level

1(e). Organization of Seminar/Symposia/Conference/Workshop etc and meetings of PAC/PAMC of UGC/CSIR/DST/MoES/DBT/MoEF/ICSSR/ICHR/DoE etc :

Sl. No	Programme	Duration	Sponsoring Agency	Organising level
1	One day Seminar on 'Popularisation of Research Activities'- (as organizing Chairman) 1.10.2009	1 day	Principal, GZRSC	Institutional level
2	Organising chairman of Inter-departmental Seminar on Radiation Safety cum Display of Adulteration practice on 14 Aug 2013.	1 day	Principal GZRSC	Institutional level
3	Solid State Nuclear Track Detectors and their Applications (SSNTDs)-18 (national organizing member) on 18-20 Oct 2013	2 days	Nuclear Track Society of India	National
4	Organiser of Panel discussion on Fostering Scientific Temper on	1 day	Mizoram Council of Science,	State level

	28 Feb 2014		Technology and environment & GZRSC.	
5	Symposium on Research innovation and Popularisation (organizing chairman) on 17 Oct 2014	1 day	Principal,GZRSC	Institutional level
6	Convener of Seminar on Recent Trends and Prospects in Biotechnology at GZRSC on 27.2.2015	1 day	Mizoram Council of Science, Technology and environment & DST, Govt. of India	State level
7	Organising chairman of Sensitization Programme on Choice Based Credit System at GZRSC on 29.1.2016	1 day	RUSA, GZRSC	Institutional level
8	Organising member of Sensitization Programme on NAAC Accreditation Process at GZRSC on 16.2.2016	1 day	RUSA, GZRSC	Institutional level
9	Co-Coordinator, Mizoram Science Congress held at MZU during 13-14.10.2016.	2 days	NEC, DST and MISTIC	State level
10	Organising Chairman, 1 day seminar on Legal Awareness held on 13.10.2016	1 day	Mizoram State Legal Service Authority.	Institutional level
11	Coordinator, Consumer Awareness Programme held on 22.2.2017 at GZRSC	1 day	Bureau of Indian Standards	Institutional level
12	Organising Chairman, Seminar on National Science Day 2017 held at GZRSC on 28.2.2017	1 day	MISTIC	Institutional level
13	Organising Member, Workshop on Intellectual Property Rights and Grass Root Innovation held on 24.3.2017 at GZRSC	1 day	Patent Information Centre, MISTIC	Institutional level
14	Organising member, Seminar on Research Motivation held on 24.8.2018 at GZRSC	1 day	RUSA	Institutional level
15	Co-coordinator, Mizoram Science Congress held at PUC during 4-5 Oct 2018	2 day	NEC, DST and MISTIC	State level