



INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN ANIMAL SCIENCES (ICRAAS-2019)

Time : November 6-8, 2019
Venue: Pachhunga University College

Organized by
Department of Zoology, Pachhunga University College, Aizawl, India



Co-Organizers
Mizo Academy of Sciences (MAS)
Mizoram University, Tanhril, India
Directorate of Fisheries, Govt. of Mizoram
Directorate of Agriculture (R&E), Govt. of Mizoram
Environment, Forest and Climate Change, Govt. of Mizoram

Sponsored by
SERB, DST, Govt. of India
DBT-CTEP, New Delhi, Govt. of India
North Eastern Council, Shillong, Govt. of India
Mizoram Business Centre, Aizawl, Mizoram

CONFERENCE SCHEDULE

Time	6 th November	Time	7 th November	8 th November (Parallel session)	
				PUC Seminar hall	Life Sciences Seminar hall
09:00 – 12:30	Participants Arrival & Registration	09:00 – 11:00	ICRAAS Session II	ICRAAS Session VI	ICRAAS Session VIII
		11:10 – 13:10	ICRAAS Session III	ICRAAS Session VII	ICRAAS Session IX
11:30 – 12:30	Lunch	13:10 – 13:45	Lunch	Lunch	
13:00 – 14:40	Inaugural session	13:45 – 15:40	ICRAAS Session IV	Field Trip to Reiek for delegates from outside Mizoram	
14:50 – 17:00	ICRAAS Session I	15:50 – 17:50	ICRAAS Session V		



16:11 – 16:21	O-62	Henashree Sharma and Mithra Dey Accumulation of Heavy Metals in <i>Fejervarya</i> tadpoles inhabiting two different wetlands in Silchar, Cachar District, Assam.
16:23 – 16:33	O-63	Lalrinzuali Sailo and Guruswami Gurusubramanian Ameliorative effects of phenethyl isothiocyanate on high fat diet (Sa-um) induced reproductive complications in Wistar albino rat

DAY 2: 7th November 2019 (Thursday)

09:00 – 11:00 ICRAAS Session II: PLENARY TALK & PRESENTATIONS

Chairperson: Prof. H.S. Singh, Dept. of Zoology, CCS University, Meerut

Co-Chair Dr Lalramliana, Dept. of Zoology & PG Life Sciences, PUC

09:00 Start of the session

09:05 – 09:30	Plenary talk 2	Dr Axel Brockmann, National Centre for Biological Sciences, Bangalore, India Towards identifying molecular mechanism underlying advanced behavioral capabilities in insects
09:33 – 09:43	O-12	D Baruah, B Neog, A Gogoi, N Gogoi & P Saikia Limonoids: An integrant of <i>Flacourtia jangomas</i> and a potent anti-cancer compound
09:44 – 09:54	O-13	C. Lalmuansangi, Marina Lalremruati & Zothansiana Anticancer activity of the methanolic extract of <i>Stemona tuberosa</i> Lour. in Dalton's lymphoma ascites (DLA) bearing swiss albino mice
09:55 – 10:05	O-14	F. Nghakliana, Jacqueline Lalbiakhluai Fanai, Lucy Lalmuanpuii & Zothansiana Phytochemical composition, anti-oxidant potential and anti-cancer activity of <i>Callicarpa arborea</i> ROXB. against human lung adenocarcinoma (A549)
10:06 – 10:16	O-15	Vishal Das & Mintu Pal Understanding the role of epithelial-mesenchymal transition (EMT) promoting transcription factors in ovarian cancer stem cells differentiation
10:17 – 10:27	O-22	Guisuibou Daimei & Raman Rajagopal Effect of <i>Groundnut Bud Necrosis Virus</i> on the life history traits and feeding preference its vector <i>Thrips palmi</i> Karny
10:28 – 10:38	O-23	Nyaton Kitnya, Prabudev M.V., Chet Bhatta, Thai Hong Pham, Karsing Megu, Jharna Chakravorty, Tshering Nidup, Axel Brockmann & Gard Otis Note on the Distribution and Ecology of the Himalayan Honey Bee <i>Apis laboriosa</i>
10:39 – 10:49	O-24	Khirod Sankar Das & Sudipta Choudhury Sensory structures of antenna of the termite species <i>Hypotermes xenotermitis</i> (Isoptera: Termitidae)
10:50 – 11:00	O-25	Lal Ringngheti, Van Ramliana & Lalnuntluanga Identification and medical importance of <i>Culex</i> mosquitoes of Aizawl, Mizoram

11:00 – 11:10 Tea / Coffee break

11:10 – 13:06 ICRAAS Session III: PLENARY TALK & PRESENTATION

Chairperson: Prof. G.S. Gurusubramaniam, Dept. of Zoology, MZU

Co-Chair Dr Vanramliana, Dept. of Zoology & PG Life Sciences, PUC

11:10 Start of the session



11:12 – 11:37	Plenary talk 3	Prof. P.S. Chaudhuri, Department of Zoology, Tripura University <i>Earthworm Technology for Sustainable Agriculture</i>
11:38 – 11:48	O-10	Tomothy Lalrinfela Comparison study on the effects of vermicompost produced from pig faecal matter and cattle dung
11:49 – 11:59	O-8	Betsy Zodinpuui, H. Lalthanzara & Lalnuntluanga Seasonal and Jhum- cultivation induced variations of soil macrofauna composition in Mizoram, northeast India
12:00 – 12:10	O-9	Thounaojam Rojen Singh, Thingbajam Binoy Singh, Ch. Sanjita Devi & M. Alina Devi Biodiversity of ecologically important earthworms in Subtropical forest ecosystems of Imphal East and Imphal West district of Manipur
12:11 – 12:21	O-11	Chawngthu Zothansanga, Mordekai Lalchhanhima, Mathipi Vabeiryureilai, Nachimuthu Senthil Kumar & H. Lalthanzara Influence of altitude on the diversity and distribution of earthworms in Northeast India
12:22 – 12:33	O-18	Lalawmawia Sailo, C. Lawmsangzuala, C. Lallawmkima, C. Lalruatfela, C. Lalhruaizela, K. Lalnunthara, A. Rochamlia, H. Lalthanzara & G.S. Solanki Indian Black Eagle <i>Ictinaetus malayensis</i> : Observations on nesting biology in Mizoram, India
12:34 – 12:44	O-19	Tanushree Chakravarty & Susmita Gupta Ecology of river insects- A study on Jatinga river, Assam, Northeast India
12:45 – 12:55	O-21	Nazimur Rahman Talukdar, Parthankar Choudhury & Hasan Al-Razi Mapping and assessing trans-boundary elephant corridor in the Patharia Hills Reserve Forest of Assam, India
12:56 – 13:06	O-26	Chenkual L & Chenkual L A glimpse of Man-Animal conflict in Mizoram

13:07 – 13:45 LUNCH BREAK

13:45 – 15:40 ICRAAS Session IV: PLENARY TALK & PRESENTATION

Chairperson: Prof. H.S. Singh, Dept. of Zoology, CCS University, Meerut

Co-chair: Dr Esther Lalhmingliani, Dept. of Zoology, MZU

13:45 Start of the session

13:47 – 14:12	Plenary talk 4	Dr Axel Brockmann, National Centre for Biological Sciences, Bangalore, India <i>Asian honey bees – Basic research and conservation</i>
14:13 – 14:23	O-47	Joy Lalmuanpuia, Ashok Kumar, Hmar Lalrinkima, Hina Malik & Rajesh Kumar Agarwal Expression and efficient purification of Outer Membrane Protein of <i>Salmonella typhimurium</i> with imidazole and β -mercaptoethanol
14:24 – 14:34	O-56	C. Vanlalngbaka New records and present status of bat fauna in Mizoram, North-eastern India
14:35 – 14:45	O-55	Bankerdonbor Kharbisnop and Sudhanya Ray Hajong First report of three genera of Chalcididae from Meghalaya with a note on their distribution
14:46 – 14:56	O-57	Ch. Dheinabi Devi, R. K. Sanachaoba Singh & R. K. Gambhir



		A report of a species of <i>Rabdochona</i> (<i>Rabdochona</i>) Railliet, 1916 from a cat fish <i>Eutropiichthys vacha</i> from Jiri River, Jiribam, Manipur
14:57 – 15:07	O-59	Laishram Shanjoy & R.K. Gambhir A new nematode of the thelastomatidae from a burrowing insect from Khordak, Thanga, Manipur
15:08 – 15:18	O-60	Yengkhom Chinglemba, Yumnam Rameshori, Waikhom Vishwanath & Sukham Munilkumar Morphological characterization of Nemacheiline loaches of Northeast India
15:19 – 15:29	O-71	Jacob Ngukir, Abprez Thungwon Kimsing, Talo Biju & Daniel Mize Landscape: a determinant in occurrence of three critically endangered <i>Gyps</i> vultures in Daying Ering Memorial Wildlife Sanctuary, Arunachal Pradesh

15:30 – 15:40 Coffee/Tea break

15:40 – 17:35 ICRAAS Session V: PLENARY TALK & PRESENTATION

Chairperson: Prof. P.S. Chaudhuri, Dept. of Zoology, Tripura University

Co-chair: Dr HT Lalremsanga, Dept. of Zoology, MZU

15:40 Start of the session

15:42 – 16:06	Plenary talk 5	Prof. G. Gurusubramaniam, Department of Zoology, MZU Use of Long noncoding RNAs as molecular biomarkers and drug targets
16:08 – 16:18	O-1	Abhijit Das & S.P. Biswas Physico-chemical parameters and seasonal abundance of aquatic insects of river Mara Bharali in Sonitpur district of Assam
16:19 – 16:29	O-2	Bronson Kumar Khangembam & Rina Chakrabarti Evaluating the <i>in vitro</i> digestibility of some plant proteins sources in two important carp species
16:30 – 16:40	O-3	Heikham Dayami & Chungkham Sarojnalini Effect of cooking methods on the proximate composition and PUFA content in <i>Cirrhinus cirrhosus</i> of Loktak lake, Manipur
16:41 – 16:51	O-4	Jitu Chutia & D. Kar A study on edible aquatic macro-invertebrates of Poba Reserve Forest of Jonai, Assam
16:52 – 17:02	O-6	Jyotish Sonowal & Devid Kardong Nutritional evaluation of freshwater bivalve <i>Lamellidens</i> spp. from upper Brahmaputra basin, Assam with special reference to dietary essential amino acids, omega fatty acids and minerals
17:03 – 17:13	O-28	Mayanglambam Alina Devi, Thingbajam Binoy Singh, Yallappa Rajashekar, Chongtham Sanjita Devi & Thounaojam Rojen Singh Ecological studies, toxicity, and repellency of <i>Cymbopogon</i> species found in Manipur
17:14 – 17:24	O-7	Thirunavukkarasu Muralisankar & Chandrasekaran Muttharasi Utilization of marine fisheries waste for the culture of freshwater fish <i>Cyprinus carpio</i>



DAY 3: 8th November 2019 (Friday)

09:00 – 11:00 ICRAAS Session VI: PLENARY TALK & PRESENTATION

Parallel Session Venue 1: Seminar hall

Chairperson: Prof. GS Solanki, Department of Zoology, MZU
 Co-chair: Dr H. Lalruatsanga, President, Mizo Academy of Sciences (MAS)
 09:00 Start of the session

09:05 – 09:30	Plenary Lecture 6	Prof. H. Manihar Singh, MS, FACS, FAIS, FAIMS Head, Department of Surgery, Zoram Medical College, Falkawn, India <i>Evolution of Surgery</i>
09:33 – 09:43	O-36	Suvarna Deshpande & Ramesh Abdar Study on resurgence of vector mosquito viral and protozoan diseases in district Nashik (MS) India
09:44 – 09:54	O-37	Dhanajay Dabir & Hamde Venkat Study of urinary tract infection in HIV patient and its correlation with complete blood count in Nashik
09:55 – 10:05	O-38	Jayashree Pagar & Hamde Venkat Study of urinary tract infections in diabetic and non-diabetic patients in Nashik and its correlation with complete blood count
10:06 – 10:16	O-39	Samidha Patil & Hamde Venkat Effect of Human Lifestyle on Semen Quality and Infertility in Male in Nasik Region of Maharashtra.
10:17 – 10:27	O-42	Z.T. Laldinpuii, Samson Lalmangaihzuale, P.B. Lalthanpuii, K. Lalchhandama, Zothansiamia, Zodinpuia Pachuau & K. Vanlaldinpuia Assessment of the antioxidant activity and anticancer property of <i>Picria felterrae</i> in human colon cancer cells (HCT116)
10:28 – 10:38	O-43	Deborah Daolagupu & Parthankar Choudhury Ethnozoological use of some threatened animal species in traditional medicine
10:39 – 10:49	O-40	Swapnali Chetia Evaluation of Neuroprotective Effects of Zingerone in MPTP induced Mice model of Parkinson's Disease.

11:00 – 11:10 Tea / Coffee break

11:10 – 13:10 ICRAAS Session VII: PLENARY TALK & PRESENTATION

Parallel Session Venue 1: Seminar hall

Chairperson: Dr Axel Brockmann, NCBS (TIFR), Bangalore
 Co-chair: Dr Zothansiamia, Dept. of Zoology, MZU
 11:10 Start of the session

11:12 – 11:37	Plenary talk 7	Prof. G.S. Solanki, Department of Zoology, MZU Impact of climate on diversity and distribution of Saurians (lizards) along altitudinal gradients in Mizoram, India
11:38 – 11:48	O-52	H.T. Lalremsanga, C. Lalfakawmi, Laldingpuii, Lalmuansanga, Michael Vanlalchhuana & Lalbiakzuala A simplified table for staging embryos and larvae of the paddy frog, <i>Fejervarya multistriata</i> (Amphibia: Anura: Dicroglossidae)



11:49 – 11:59	O-72	C. Lalremruata Urea molasses mineral block (UMMB) for improve milk production of cross-bred cattle under field condition of Mizoram
12:00 – 12:10	O-44	Lalrampani Chawngthu & R. Lalfakzuala Biodiversity of phosphate solubilizing bacteria in wetland paddy field of Mizoram, India
12:11 – 12:21	O-45	Rebecca Vanlalsangi, Loknath Samanta & Jyotirmoy Bhattacharya The 2,2'-dipyridyl-induced Iron starvation and its effects on growth and photosynthesis in cyanobacterium <i>Nostoc punctiforme</i> ATCC 29133
12:22 – 12:33	O-48	Vabeiryureilai Mathipi, H. Lalthanzara, Zothansanga Chawngthu, Mordekai Lalchhanihima & N. Senthil Kumar Study on the genetic diversity of <i>Amyntas</i> (Megascolecidae:Annelida) from North-East India
12:34 – 12:44	O-58	Kulendra C. Das DNA barcode initiatives of endangered softshell turtles in Northeast India
12:45 – 12:55	O-46	Bhaba Kumar Pegu, Devid Kardong & Dip Gogoi Isolation and Molecular characterization of <i>Agrococcus carbonis</i> sp. a new bacteria for a Naringinase enzyme producer

DAY 3: 8th November 2019 (Friday)

09:00 – 11:00 ICRAAS Session VIII: PLENARY TALK & PRESENTATION

PARALLEL SESSION Venue 2: Life Sciences Seminar hall, Life Sciences Building

Chairperson: Dr K. Lalchandama, PUC

Co-chair: Dr Vanlalhrui Ralte, PUC

09:00 Start of the session

09:05 – 09:30	Plenary Lecture 8	Prof. N. Senthil Kumar, Department of Biotechnology, MZU Human Disease Genomics – Approach towards for Precision Medicine
09:33 – 09:43	O-69	Lallawmzuali Ralte, M.C. Lallianchunga, Lalhruiipuii, H. Lalrinkima & Zirliangura Evaluation of bacteriological quality of raw milk in and around of Aizawl, Mizoram
09:44 – 09:54	O-70	M.C. Lallianchunga, Lallawmzuali Ralte, C. Lalmuanthanga, K. Lalrintluanga, H. Lalrinkima, M. Ayub Ali & Zirliangura Changes in pH and somatic cell count of goat milk associated with udder health status
09:55 – 10:05	O-30	Angshuman Das, Lalmuansanga, Lalbiakzuala, Lalrinsanga & H.T. Lalremsanga Morphology and biology of the Painted Bronzeback Tree Snake, <i>Dendrelaphis pictus</i> (Gmelin, 1789) (Serpentes: Colubridae): a focus on Mizoram populations
10:06 – 10:16	O-31	Lalmuansanga, Gospel Zothanmawia Hmar, Lalbiakzuala, Lalrinsanga & H.T. Lalremsanga Inventory survey on snakes of Hmuifang community forest reserved forest
10:17 – 10:27	O-33	Sagarika Talukdar & Saibal Sengupta Edible frog species of Nagaland
10:28 – 10:38	O-34	V.L. Malsawmhriatzuali, Lalbiakzuala, Gospel Zothanmawia Hmar, Lalmuansanga, Lalrinsanga & H.T. Lalremsanga



		On the occurrence of two species of striped <i>Ichthyophis</i> Fitzinger, 1826 (Amphibia: Gymnophiona: Ichthyophiidae) from Mizoram, India
10:39 – 10:49	O-35	Vanlalsiammawii , Lalbiakzuala, Lalmuansanga, Gospel Zothanmawia Hmar & H.T. Lalremsanga Morphology and biology of the Snail-Eating Snake, <i>Pareas monticola</i> (Cantor, 1839) (Serpentes: Acrochordidae) from Mizoram Collections

11:00 – 11:10 Tea / Coffee break

11:10 – 13:10 ICRAAS Session IX: PLENARY TALK & PRESENTATION

PARALLEL SESSION Venue 2: Life Sciences Seminar hall, Life Sciences Building

Chairperson: Dr HS Thapa, PUC
Co-chair: Dr Lalzahawmi Chenkual, GZRSC
11:10 Start of the session

11:12 – 11:37	Plenary talk 9	Dr K. Lalchhandama, Department of Zoology & Life Sciences, PUC PfEMP1 – Malaria's weapon of mass destruction
11:38 – 11:48	O-68	Lalhruaipuii , I. Shakuntala & Arnab Sen Seroprevalence of porcine reproductive and respiratory syndrome virus and Classical swine fever virus pigs of Mizoram, India
11:49 – 11:59	O-53	TC. Lalhriatpuii , Deeki Doma Sherpa, Koni Potom & Charles Lalnunfela Determination and comparison of nutrient composition of various egg samples found in Mizoram and the evaluation of their external quality
12:00 – 12:10	O-29	Jennifer Zoremsiami & Ganesh Chandra Jagetia Investigation of the anticancer activity of <i>Helicia nilagirica</i> (Bedd.) in Swiss albino mice transplanted with Dalton's lymphoma tumor cells
12:11 – 12:21	O-27	Ht. Decemson , H.T. Lalremsanga & GS Solanki Food plant preferences and dietary consumptions of <i>Trachypithecus pileatus</i> (Capped langur) in Dampa Tiger Reserve, Mizoram, India
12:22 – 12:33	O-16	Sanborlang Byrsat & Anand S. Dixit Expressions of GnRH-I and GnIH in Eurasian tree sparrow exposed to a single long day
12:34 – 12:44	O-20	P.C. Vanlalhluna , Tawnenga & Lalnunmawia Assessment of soil organic carbon (SOC) as influenced by different agroforestry systems in Mizoram, Northeast India
12:45 – 12:55	O-32	Remruatpuii , Lalbiakzuala, Jeremy Malsawmhriatuala, Binoy Kumar Barman & H.T. Lalremsanga A Contribution to <i>Smithophis atemporalis</i> (Giri et al. 2019) (Squamata: Colubridae: Natricinae)

13:10 – 13:45 LUNCH BREAK



DAY 3: 8th November 2019 (Friday)

13:50 – 17:00 FIELD TRIP

13:50	:	Field Trip to Reiek
15:00– 16:30	:	Halt at Reiek
Eye catching items:	:	Typical Mizo village, Reiek peak, Natural, Forest, River, streams, Wild flora & fauna
17:00	:	Return to Aizawl

(Outstation participants desirous of participating in the field trip should submit their names to the Secretary, ICRAAS2019 before 17:00 of November 7, 2019. Ph. No. 9862292744)

POSTER PRESENTATIONS

All presenters are requested to set up their poster in the forenoon of 6th November 2019 Wednesday (9:00 – 12:30)

Code	Authors	Title
P1	Phoebe Lalremruati and GS Solanki	Mate choice and successful mating in captive northern pigtailed macaques
P2	Khuraijam Usha, K. Khelchandra Singh	Determining the biomass variation of the aquatic macrophyte in Khumanpat Lake, Manipur, Northeast India
P3	Mary Lalthansangi and Lalzahawmi Chenkual	Seasonal Evaluation of Water Quality of Selected Perennial Springs in some Densely Populated Areas of Aizawl City
P4	M.C. Zirkunga, Lalramliana	Evaluation of the ornamental potential of fishes of the genus <i>Garra</i> from Kaladan basin of Mizoram, North-East India
P5	Pratima Khandayataray, Meesala Krishna Murthy, Sanasam Sanjeev, Abinash Giri, and Guruswami Gurusubramanian	A survey, biodiversity and seasonal variation in banana pest complex
P6	Mordekai Lalchhanhima, Chawngthu Zothansanga, Mathipi Vabeiryureilai, Nachimuthu Senthil Kumar, Hmar Lalthanzara	Intraspecies genetic variation in <i>Amyntas morrissi</i> (Annelida: megascolecidae).
P7	C. Lalmuankimi, Lalrinmawia and R.P. Tiwari	Environmental Deposition of Upper Bhuban Formation in Surma Group, Aizawl, Mizoram
P8	K. Lalrinzuali and G.C. Jagetia.	In vivo anticancer activity of different extracts of <i>Oroxylum indicum</i>
P9	Lalrinhlupuii, S.Sarathbabu, N. Senthil Kumar, M.	<i>In vitro</i> exposure to tuibur: A cytotoxicity study



	Vabeiryureilai , R. Muthukumaran	
P10	Marina Lalremruati, C. Lalmuansangi, Zothansiana	Anti-tumor activity of aqueous extract of <i>Mussaenda macrophylla</i> WALL. Against Dalton's Lymphoma Ascites (DLA) bearing mice
P11	Mary Zosangzuali, Kham Suan Pau, Zothansiana	Assessment of low dose irradiation effect on chromosomal damage and oxidative stress in cultures human peripheral blood
P12	Longjam Shantabi, Ganesh Chandra Jagetia, Sharubam Victoria Devi	A toxicological evaluation of <i>Croton caudatus</i> Geiseler in Swiss albino mice transplanted or not with Dalton's lymphoma ascites tumor before exposure to 6 Gy γ -radiation
P14	Hilda Lalrinpuii, Lalnuntluanga, Lallawmkimi	Study of impact of shifting cultivation on human health at Lengpui and the adjoining villages, Mizoram
P15	K. Khelchandra Singh	Investigation on the potential production of carbon dioxide in the river chess, United Kingdom
P16	Lalbiakdika, H. Lalruatsanga, F. Lalnunmawia and Lalawmpuia	Soil organic matter and NPK level in lowland paddy fields of Champhai, Mizoram, India.
P17	Lalzahawmi Chenkual and Mary Lalthansangi	Assessment of quality of Spring water in the Northern Part of Aizawl, Mizoram, India, and its comparison with water supply from PHED, Government of Mizoram.
P18	Z.D Lalremruata and P.K. Rai	Impact of certain specific invasive plants on Non-Invaded Species and their characteristics of Soil in selected areas of Aizawl District
P19	Zonunthari, Prabhat Kumar Rai	Evaluation of Groundwater quality from selected Handpumps in Aizawl city, Mizoram, India
P20	Zoramdinthara	Trapping methods of bird and animal in traditional Mizo society
P21	Cynthia Bansara Marwein and Sudipta Choudhury	Scanning electron microscopic study of the sensory receptors on the antennae of <i>Miridiba herteli</i> (Coleoptera: Scarabaeidae)
P22	Joycy Mary Kharthangmaw and Sudipta Choudhury	Scanning Electron Microscopy Study on Antennal Sensilla of <i>Eurydema dominulus</i> (Hemiptera: Pentatomidae)
P23	K. Chanreila L. Nonglait and Sudipta Choudhury	Types of sensilla on the wings of Cob borer <i>Stenachroia elongella</i> (Lepidoptera: Pyralidae)
P24	Lalngahpuii, Chuckles Ch. Marak, Esther lalhmingliani and Lalruatthara.	Inventorization of Geometridae of Mizoram University Campus based on adult morphological characters
P25	Lalrinmawia, Lalnuntluanga and Lalramliana	<i>Hyblaea puera</i> Cramer (Lepidoptera: Hyblaeidae) infestation on <i>Tectona grandis</i> Linn F. in Aizawl District, Mizoram
P26	Lalawmawia Sailo, Rochamliaana Aineh, Thangkima Renthlei, C. Lawmsangzuala, C. Lallawmkima, C. Lalruatfela, H.T. Hnamtinkhuma, Zarzoliana Fanai, Laldingzela, Remsiamliana, Lalnuntluanga, Lalnunsiana Hnamte	Conservation through community participation: Sailam bird sanctuary
P27	Gospel Zothanmawia Hmar, Lalmuansanga, Lalbiakzuala,	Survey on the snake diversity of Reiek community reserved forest, Mamit District, Mizoram.



	Lalrinsanga and H.T. Lalremsanga	
P28	Vishal Das, Kikoleho Richa, Rituparna Karmaker, Naruti Longkumer, Mintu Pal and Upasana Bora Sinha	<i>In-vitro</i> evaluation of some Phenyl Isothiocyanates as anticancer agents in Ovarian cancer cells
P29	Lalawmpuia, H. Lalruatsanga, Lalbiakdika	Impact of Plant age on Dehydrogenase Activity of soil in Oil Palm (<i>Elaeis guineensis</i> Jacq.) plantation sites of Buhchangphai, Mizoram, India.
P30	Meesala Krishna Murthy, Pratima Khandayataray, Malsawmdawngzuali Tara, Pori Buragohain, Abinash Giri and Guruswami Gurusubramanian	A simple, efficient and effective DNA isolation and PCR optimization methods for insects
P31	C. Malsawmtluangi and Lalramliana	Studies on the distribution and diversity of helminth infection in <i>Xenentodon cancila</i> from different rivers of Mizoram, Northeast India
P32	Alih N. Wangcha, Sharubam Victoria Devi, P.C Lalawmpuii	Organoleptic, Microscopic characteristics, physicochemical and Phytochemical screening of the plant <i>Tithonia diversifolia</i>
P33	A. Imtilemla, Lalzikipuii Sailo	Preliminary phytochemical study and <i>in-vitro</i> antioxidant activity of methanolic extract of <i>Lindernia ruellioides</i>
P34	Andrew Lalthasanga, Zothanpua	Evaluation of phytochemical constituent and <i>in vitro</i> -antioxidant potential of <i>Acer laevigatum</i> , a traditional medicine of Mizoram
P35	B. Laruatfela, P.B. Lalthanpuii, Charles Lalnunfela, K. Lalchhandama	Nematocidal effects of an infusion of tobacco (<i>tuibur</i>) against intestinal helminth parasites of chicken
P36	Banyashree Das and Atanu Bhattacharjee	Evaluation of the effect of <i>Coccinia indica</i> fruit extract on cholinesterase enzyme
P37	Bhanita Das and Atanu Bhattacharjee	Evaluation of nootropic potential of volatile oil of <i>Zanthoxylum armatum</i> DC. fruit
P38	Charles Lalnunfela, H.T Lalremsanga, T.C Lalhriatpuii, PB Lalthanpuii and K. Lalchhandama	Phytochemical analysis, DPPH radical-scavenging activity and antimicrobial activity of <i>Ilex khasiana</i>
P39	Lalthansangi, Esther Lalhmingliani, Nangkham	Qualitative and quantitative phytochemical content of <i>Lindernia ruellioides</i> (colsm.) Pennel
P40	Mayanglambam Alina Devi, Thingbaijam Binoy Singh, Yallappa Rajashekar, Chongtham Sanjita Devi, Thounaojam Rojen Singh	Ecological studies of indigenous and exotic <i>Cymbopogon</i> species found in Manipur
P41	P.B. Lalthanpuii, Charles Lalnunfela, B. Laruatfela, K. Lalchhandama	Chemical profiling of alkylamides from the “herbal Botox”, <i>Acmella oleracea</i> cultivated in Mizoram, and their pharmacological potentials
P42	Pdiangmon Kyndait, T. C. Lalhriatpuii and Charles Lalnunfela	Phytochemical screening and <i>in-vitro</i> antioxidant activity of <i>Mussaenda glabra</i>



P43	Phaibiang Lapasam, Zothanpuia	Preliminary phytochemical screening and <i>invitro</i> -antioxidant activity of <i>Gordonia dipterosperma kurz</i>
P44	Phennyai Phom, Sharubam Victroria Devi, Longjam Shantabi	Pharmacognostic and Physicochemical studies of the leaves of <i>Eryngium foetidum</i> by using Foldscope
P45	R. Saikia, K. C. Deka, B. Buragohain, B. Phukan, <u>S. Sen</u>	Degumming of decorticated ramie [<i>Boehmeria nivea</i> (L.) Gaud] fibre: A bio-chemical approach for removal of gummy substances
P46	Samia Begam Barbhuiya, Caroline Malsawmtluangi	Preliminary phytochemical screening and <i>in vitro</i> anti-oxidant activity of methanolic extract of <i>Delonix regia</i> seed podium
P47	Samson Lalhmangaihzuala, Z.T. Laldinpuii, P.B. Lalthanpuii, K. Lalchhandama, Zodinpuia Pachauu & K. Vanlaldinpuia	Synthesis of D-fructose-derived compounds and studies of their antimicrobial activity
P49	Trishna Mani Nath	Experimental evaluation of Analgesic Activity of <i>Morus alba</i> L. fruit extract
P50	Vicky Bareh, Lalzikipuii Sailo	Pharmacognostic profile and <i>In vitro</i> antioxidant activity of methanolic extracts of <i>Prunus undulata</i>
P51	P Saikia, B Neog, D Baruah, N Gogoi and A Gogoi	Characterization of fifteen varieties of aromatic rice varieties of Upper Brahmaputra Valley, Assam on PPV and FRA guidelines
P52	Aasif Abdullah Baba and Abhik Gupta	Removal of lead (Pb) by <i>Acacia pennata</i> and <i>Colocasia esculenta</i> biomaterials from aqueous solution
P53	H. Lalrinkima, O.K. Raina, M.C. Lallianchhunga, C. Lalchhandama, S.K. Borthakur, & K. Lalawmpuii	Functional studies of <i>Fasciola gigantica</i> superoxide dismutases
P54	C. Lalremruata	By pass protein- a recent technology for improve performance of dairy cattle
P55	Kirangngaulule Elu, T.C Lalhriatpuii, C. Lalmuanthanga, and Charles Lalnunfela	<i>In vivo</i> analysis of Analgesic and anti-pyretic activity of the methanolic extract of <i>Barleria cristata</i> Linn.
P56	K. Lalhminghlui and GC Jagetia	Assessment of anticancer activity of ethanol extract of Chilauni, <i>Schima wallichii</i> (DC) Korth <i>in vivo</i>
P57	Benjamin Lalbiakmawia and John Zothanzama	Study of air Microorganisms in Poultry Farm
P58	Freddy Teilang Nongkhlaw, Jerry Hmingchungnunga, C Malsawmtluangi	Comparison of the invitro anti-inflammatory activity of selected plants found in Mizoram
P59	Nipen Nayak	Feeding Biology and Food Selection in Different Length Groups of <i>Channa bleheri</i>
P60	Abinash Parida and G.S. Solanki	Population Structure, Distribution and Habitat correlates of Western Hoolock Gibbon (<i>Hoolock hoolock</i>) in Dampa Tiger Reserve, Mizoram, India