Faculty:

Dr. P. C. Kalita, M.V.Sc., Ph.D.  
Associate Professor & Head  
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Dr. A. Kalita, M.V.Sc.  
Assistant Professor(S.S.)  
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Dr. P. J. Doley, M.V.Sc.  
Assistant Professor  
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Supporting Staff:

- Mr. Ch. Vikram  
  Field-cum-Laboratory Assistant

- Mr. Jodinthara  
  Multi Tasking Staff

- Mr. Lalchhannima  
  Multi Tasking Staff

Infrastructure:

Bone and Meat Cutting Machine; Semi Motorized Rotary Microtome; Tissue Floatation Bath; Vacuum Pump; Microslide Cabinet; Olympus Compound Microscope; Trinocular Research Microscope; Binocular Microscope; Dissection Microscope; Multi Observation body; Mounted skeleton of Mithun, Yak, cattle, horse, dog, pig, sheep, goat and fowl

Teaching Activities:

- **B.V.Sc. & A.H. Programme**
  - AS per MSVE Regulations-2008 (13 Credit Hrs.)

- **M.V.Sc. Programme** As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)
  - Introduced from academic session 2013-14

Research Priorities:

- Anatomical studies on Sloth Bear, Sambar Deer, Slow Loris, Hoolock Gibbon, Mithun, Yak
- Anatomical studies on local Mizo pig
- Anatomical studies on hair of domestic animals of Mizoram

Research activities:

- Formalin preserved versus plastinated technique on biological specimens (PI: Dr. P. C. Kalita; IRP/Completed)
- Gross anatomy and histomorphology of the respiratory system of indigenous pig of Mizoram (PI: Late Dr. R. N. Bhattacharyya; IRP/Completed )
- Anatomical and histomorphological study on peripheral lymph nodes of adult local mizo pig (PI: Dr. A. Kalita; IRP/Completed )
- Comparative study on elemental distribution in hair of domestic animals of Mizoram and Meghalaya (PI: Dr. P. C. Kalita; DST /Submitted)

Dr. S. Ayyappan., Secretary (DARE) and D.G. ICAR, along with Hon’ble V.C. Dr. S. N. Puri visited the Gross Anatomy Laboratory on 1st Feb. 2012
Faculty:

Dr. M. Ayub Ali, M.Sc., Ph.D.
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Dr. M. C. Lallianchhunga, M.V.Sc.
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Dr.(Mrs.) Prava Mayengbam, M.V.Sc., Ph.D.
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Dr. Jagan Mohanrao G., M.Sc., Ph.D.
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Supporting Staff:

- Mrs. N. Meena Devi
  Field-cum-Laboratory Assistant
- Mr. N. Subhaschandra
  Field-cum-Laboratory Assistant
- Mr. James Sanglura
  Multi-Tasking Staff
- Mr. Shailendra Kr. Sahani
  Multi-Tasking Staff

Infrastructure:

The department is well equipped with some state of the art facilities viz. Preparative Dual pump Gradient RP-HPLC system, Refrigerated high speed centrifuge, UV-Vis double beam spectrophotometer, electrophoresis systems with gel-documentation system, Sterile work bench with BSL-I, Dual block gradient thermal cycler, CO₂ incubator, automatic blood analyzer, physiograph, automatic weather system etc.

Teaching Activities:
- **B.V.Sc. & A.H. Programme**: AS per MSVE Regulations-2008 (20 Credit Hrs. + VLD)
- **M.V.Sc. Programme** As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

Research Priorities:
- Enumeration of Haemato-biochemical status of livestock and poultry in NE agro-climatic condition with special emphasis on its native species.
- Endocrine studies of the different species of animals for increasing the productivity.
- Targeted gene mutation for developing effective vaccines for livestock and poultry species.
- Isolation, fractionation and characterization of different milk proteins from dairy animals of NE region.
- Isolation and identification of active principles in medicinal plants found in NE region.

Research activities:
- Effect of age, sex, season and managerial practices on the selected Haemato-biochemical parameters of Broiler Quail at Aizawl. (PI: Dr. P.S. Mahapatra; IRP/Completed)
- Evaluation of fodders in Aizawl District for their Lectin content. (PI: Dr. M. Ayub Ali; IRP/Completed)
- Effect of season and age on selected Haemato-biochemical profile of local pig (Zovawk) of Mizoram. (PI: Dr. Prava Mayengbam; IRP/Completed)
- Haemoglobin variants and haemoglobinopathies screening in Mizoram population. 
  (PI: Dr. M. Ayub Ali; DBT/Ongoing)
- Haemato-biochemical profile of Mithun (P.G. research)
- Mitogen stimulated cytokine gene expression in PBMC in local and exotic breeds of pigs (P.G. research).

Extension & Other Activities:
The faculty members of the department actively participate in the Animal health camps organized by the college at different places in Mizoram besides delivering lectures in various training programmes in the college. The department has also organized one 10 days training programme sponsored by ICAR for faculty members of Agricultural Universities and Scientists of ICAR institutes.
ANIMAL BREEDING & GENETICS

STAFF

Faculty:
Dr. N. Shyamsana Singh, M.V.Sc., Ph.D.
Associate Professor & Head
nsagb@rediffmail.com +91-9436198779

Dr. T.C. Tolenkhomba, M.V.Sc., Ph.D.
Assistant Professor
drkhomba10@gmail.com +91-9436354251

Supporting Staff:
- Mr. Ph. Opendro Singh,
  Field-cum-Laboratory Assistant
- Mr. K. Hnehnamawia
  Field-cum-Laboratory Assistant
- Mr. Nityananda Singh,
  Multi-Tasking Staff

Infrastructure:
The department is well equipped with some state of the art facilities viz. PCR, Refrigerated high speed centrifuge, electrophoresis systems with gel-documentation system, Sterile work bench with BSL-I, Phase contrast microscope with karyotyping software, etc.

Teaching Activities:
B.V.Sc. & A.H. Programme
AS per MSVE Regulations-2008 (9 Credit Hrs.)

M.V.Sc. Programme
As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

Research priorities:
- Documentation, characterization and conservation of indigenous livestock and poultry breeds of NEH region.
- Development of breeds/strains of livestock and poultry suitable to NEH region.
- Identification of genetic markers associated with production, reproduction and disease resistance in livestock and poultry.

Research activities:
- Investigation of growth hormone gene polymorphism and its association with performance trait in Mizoram local pig, Zovawk (PI: Dr. T. C. Tolenkhomba; IRP/Completed)
- Bioinformatics Infrastructure Facility Scheme (PI: Dr. T. C. Tolenkhomba; DBT/ongoing)
- Physical characterization of local cattle of north-east India (PI: Dr. T. C. Tolenkhomba; DBT/approved)
- TLR-Ligands: To design novel vaccines adjuvants in chicken (PI: Dr. T. C. Tolenkhomba; DBT/approved)
- DNA Polymorphism in milk proteins in local cattle of North East India (P.G. research)
- Phenotypic characterization of Mizodesipig (zovawk) in its home tract in Mizoram (P.G. research)
- Phenotypic characterization of local chickens of Manipur (P.G. research)

Extension & Other Activities:
- Participation in Agri-fair
- Resource persons in various training programmes for line departments/farmers
- Publication of Extension Literature
## ANIMAL NUTRITION

### STAFF

**Faculty:**
- Dr. A.K. Samanta, *M.V.Sc., Ph.D.*
  - Associate Professor & Head
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- Dr. R. Buragohain, *M.V.Sc.*
  - Assistant Professor
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- Dr. B.K. Das, *M.V.Sc.*
  - Assistant Professor
  - birendas75@yahoo.com
  - M: +91-9436354809

**Supporting Staff:**
- Mrs. Margaret K. Leivang
  - Field-cum-Laboratory Assistant

- Mrs. Lalfakawmi
  - Multi-Tasking-Staff

### Infrastructure:
The department is well equipped with some state of the art facilities viz. Atomic Absorption Spectrophotometer, Fluorescence Spectrophotometer, Rumen Simulation Technique (RUSITEC), Complete Feed Block preparation machine, Urea Mineral Molasses Block (UMMB) making Machine etc.

### Teaching Activities:

#### B.V.Sc. & A.H. Programme:
As per MSVE, VCI Regulations-2008, three courses (6+3=9 Credit Hrs) are exclusively offered by the department and two courses are also offered as collaborating department.

#### M.V.Sc. Programme:
As per ICAR restructured & Revised Postgraduate Course Curricula-2009 (60 Cr. Hrs.)

#### Ph.D. Programme:
As per ICAR Restructured & Revised Postgraduate Course Curricula-2009 (75 Credit Hrs.)

### Research Priorities:
- Evaluation of nutritive value of unconventional feeds available in NE region as livestock feed and utilization of non-conventional feed/fodder resources
- Preservation and storage of feed and fodder
- Feed processing (Complete Feed Block, TMR etc) for efficient utilization of locally available feed and fodder
- Study of mineral content in soil, plant and animal and their relationship in NE region.
- Problem solving approach like formulating area specific mineral mixture
- Scientific feeding packages and practices for livestock especially pig in the NE region.

### Research activities:
- Nutritional Evaluation of tree fodders used as livestock feed in Mizoram.
- Identification and Evaluation of indigenous/local feed resources of pig and formulation of economic balanced ration for sustainable productivity in Aizawl District of Mizoram.
- Feed processing (Complete Feed Block) for efficient utilization of locally available feed and fodder for cattle feeding
- Studies on soil-plant-animal continuum in relation to mineral status of livestock to augment the animal production in Mizoram.

### Extension & Other Activities:
- Participation in the Animal Health camp and other extension programme.
- Preparation of Leaflets/posters regarding the feeding and nutrition of feeding and nutrition of animal.
- Trainings and demonstration of nutritional technology to the farmers.

### Consultancy offered with details:
The Department has been engaged in analyzing the nutrient content in various feeds and fodders samples received from line departments and NGOs and provide consultancy service to them.
LIVESTOCK PRODUCTION MANAGEMENT

STAFF

Faculty:
- Dr. Lahnuntluangi Hmar, M.V.Sc., Ph.D.  
  Professor & Head  
  drlhmar@rediffmail.com  
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- Dr. Girin Kalita, M.V.Sc., Ph.D.  
  Assistant Professor(S.S.)  
  gkgirin@gmail.com  
  +91-9435839545
- Dr. Ranjana Goswami, M.V.Sc.  
  Assistant Professor  
  sksthakur2007@rediffmail.com  
  +91-9436354525
- Dr. Prasanta Saikia, M.V.Sc.  
  Assistant Professor  
  povalmoni@rediffmail.com  
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Supporting Staff:
- Dr. Lizzy Zothanpari, Farm Assistant
- Dr. Rody Larlinsfeli Fanai, Farm Assistant
- Dr. Lalthawmawmii, Farm Assistant
- Mrs. Biakkhum, Farm Assistant
- Mr. F. Lalrinngheta, FCLA
- Mr. P.C. Lalenruatkima, FCLA
- Mr. Y. Budhachandra Singh, FCLA
- Mr. A. Amumacha Singh, MTS
- Mr. Ph. Bijoy Singh, MTS
- Mr. Rualkunga MTS
- Mr. Hopna Soren, MTS
- Mr. Muanthanga Tonsing, MTS

Infrastructure:
Cattle, Pig, Poultry, Sheep & Goat and Fodder farms, Hatchery unit, Practical Animal shed, UG laboratory equipped with required equipments

Teaching Activities:
- B.V.Sc. & A.H. Programme (8+6=14 Credit Hrs)
- M.V.Sc. Programme: As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

Research Priorities:
- Studies on Pig production system and its Improvement in Mizoram
- Development of early weaning management protocol for pig
- Performance of quails under agro-climatic condition of Mizoram
- Studies on Broiler production system and its Improvement in Mizoram
- Studies on Performance of Local and upgraded pigs under farm condition.

Research activities:
- Studies on the potential of Quails farming in Mizoram (PI: Dr. L.Hmar; ERP/completed)
- AICRP on Pig (P.I.-Dr L.Hmar, ERP/ongoing)
- Studies on performance of pigs in low input traditional system (PI: Dr Prasanta Saikia; IRP/completed)
- Augmenting pig production through effective microbial technology (PI: Dr Prasanta Saikia; ERP/ongoing)
- Skill Enhancement and Generation of Sustainable Livelihood for Pig Farmers in Kolasib District of Mizoram (PI: Dr Prasanta Saikia; ERP/ongoing)
- Effect of early weaning management on performance of Yorkshire sow and piglets (PI: Dr. Girin Kalita; IRP/ongoing)

Extension & Other Activities:
- Organization of three-days Farmers Training on Quails Farming and Management
- Organization of short courses of Scientific Pig and Poultry farming
- Organization of Vocational Training on Poultry Framing and Value added products
- Participation in the Animal Health camps and other extension programmes.
- Participation in Agri-fair
- Preparation of Leaflets/posters on Livestock production and Management
# LIVESTOCK PRODUCTS TECHNOLOGY

## STAFF

### Faculty:

Dr. (Mrs) Pragati Hazarika, *M.V.Sc., Ph.D.*
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Dr. Kevimese Khate, *M.V.Sc., Ph.D.*
Assistant Professor
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+91-9862382257

### Supporting Staff:

- Mr. K. Lalbiakthanga
  Field-cum-Laboratory Assistant
- Mr. Vanlalfinga
  Field-cum-Laboratory Assistant
- Mr. Vanlalhraua
  Multi Tasking Staff

### Infrastructure:

- Almost all basic Laboratory Equipments for meat processing; Food Texture Analyser; Bowl Chopper; Sausage stuffer; Smoke Unit; Meat mincer; Meat slicer etc.

### Teaching Activities:

**B.V.Sc. & A.H. Programme**
- AS per MSVE Regulations-2008 (6 Credit Hrs.)

**M.V.Sc. Programme**
- As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

### Research Priorities:

- Value added and functional meat / milk products
- Shelf stable meat products
- Traditional meat products

### Research activities:

- Quality and cost of milk available to the consumers of Aizawl. (P.I.- Dr. P. Prabhakaran; IRP/Completed)
- Development of functional chicken nuggets and patties incorporated with French bean and chick-pea flour and its quality evaluation. (P.I.-Dr. (Mrs) Pragati Hazarika; IRP/ongoing)

### Extension & Other Activities:

- Demonstration to farmers about scientific slaughter techniques and value addition of meat products.
- Participation in animal health camps
- Published leaflets to distribute among the farmers during any camp, fair or trainings organized by the Institute.
- Every year students are trained in “Entrepreneurship Training Programme” for further processing of meat in order to develop entrepreneur skills in future.
VETERINARY AND ANIMAL HUSBANDRY EXTENSION

STAFF

Faculty:

Dr. Saidur Rahman, M.V.Sc., Ph.D. (Assistant Professor, SS)
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+91-9612576525

Dr. Samares Kumar Das, M.V.Sc., Ph.D. (Assistant Professor)
samares75@yahoo.co.in
+91-9436351616

Supporting Staff:

- Mr. Zarzomuana, Field-cum-Laboratory Assistant
- Mr. Lalthanmawia, Multi-Tasking Staff

Infrastructure:

- LCD Data Projector, Direct Projector, Over Head Projector, Slide Projector, PAS System, Digital Still Camera, Television, Tape Recorder, etc.

Teaching Activities:

B.V.Sc. & A.H. Programme
AS per MSVE Regulations-2008 (7 Credit Hrs.)

M.V.Sc. Programme
As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

Research Priorities:

- Training Need Assessment
- Sustainable Livelihood Improvement
- Adoption of Technologies
- ICT and its Application
- Traditional Knowledge and Management Practices of Livestock

Research activities:

- System of Broiler Production and Management
- Training Needs of Farm Women
- Adoption of Technology by Dairy Farmers
- Study of prevailing management practices vis-à-vis adoption of recommended technology by pig farmers of Aizawl District of Mizoram (P.I.- Dr. Saidur Rahman; IRP/Completed)
- Morphometric characteristics, reproductive and productive performance of local cattle (Zobawng) of Mizoram in field condition (P.I.- Dr. Saidur Rahman; IRP/Ongoing)
- Climate change impacts on hill agriculture in North-East Himalaya: A socio-economic analysis (Co-PI: Dr. Saidur Rahman; ISSR/ Ongoing)

Extension & Other Activities:

- Organization of Animal Health Camps and Kisan Gosthis
- Participation in Agri-fair
- Training to Staffs of Line Departments and Farmers
- Publication of Extension Literature
VETERINARY SURGERY & RADIOLOGY

Faculty:

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Dr. Hitesh Bayan, M.V.Sc, Assistant Professor
hiteshbayan@rediffmail.com
+91-9436374674

Supporting Staff:

- Ms. Lalhmangaihi Ralte, FCLA
- Sri Deshbhakti Marandi, MTS

Infrastructure:
Anaesthesia Machine with precision vaporizer and ventilator; Multi-parameter Monitor; Ultrasound scanner with multi-frequency probe; X-Ray Machine-500 mA, with Fluoroscopy; Electro surgery Unit; Equipments for Orthopaedic Surgery; Equipments for General Surgery etc.

Teaching Activities:
- **B.V.Sc. & A.H. Programme**: AS per MSVE Regulations-2008 (8 Credit Hrs.)
- **M.V.Sc. Programme**: As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

Research Priorities:
- Management of musculo-skeletal disorders of large and small animals using surgical techniques
- Validation and improvement of herbal veterinary care
- Standardisation of newer anaesthetic drugs/techniques in pigs and other small animals
- Refinement of diagnostic and therapeutic strategies for common surgical ailments

Research activities:
- Umbilical hernia cases of pig and comparison of surgical technique. (P.I. - Dr. Basanta Saikia; IRP/Completed)
- Intraperitoneal adhesion and its management in rabbits. (P.I. - Dr. Bedanga Konwar; IRP/Completed)
- Incidence of lameness and its management in dairy cattle in and around Aizawl city. (P.I. - Dr. Bedanga Konwar; IRP/Completed)
- Lameness, associated risk factors and its management in pig under traditional farming system in hilly region. (P.I. - Dr. Hitesh Bayan; IRP/Proposed)
- Comparative Evaluation of diazepam and midazolam as preanaesthetics to xylazine and ketamine for balanced anaesthesia in pig. (P.G. research)
- Evaluation of Lignocaine, Ketamine and Bupivacaine – Ketamine Combination for Epidural Anaesthesia in Pigs. (P.G. research)
- Evaluation of Propofol and its combination with preanaesthetics for total intravenous anaesthesia (TIVA) in cat. (P.G. research)
- Studies on incidence and surgical management of canine neoplasm. (P.G. research)
- Wound healing potential of *Bidens pilosa* and *Cassiatora* leaves in rabbit.

Extension & Other Activities:
# ANIMAL REPRODUCTION, GYNAECOLOGY AND OBSTETRICS

## STAFF

### Faculty:

- Dr. Fazal Ali Ahmed, M.V.Sc., Ph.D.  
  Associate Professor & Head  
  
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  [Phone](+91-9436352984)

- Dr. K.Lalrintluanga, M.V.Sc., Ph.D.  
  Assistant Professor (SS)  
  
  [Email](mailto:drluanga40@yahoo.co.in)  
  [Phone](+91-94363142669)

### Supporting Staff:

- Miss. Saichhingpuii Sailo  
  Field-cum-Laboratory Assistant

- Mr. Lalngaihawma  
  Multi-Tasking Staff

## Infrastructure:

- Sperm Class Analyzer (CASA), Trinocular Microscope, Laparoscope with electro-cautery unit, Doppler Pregnancy Detector, Daminisky Heat Detector, Electroejaculator, B.O.D. Incubator, Deep Freezer, Cryocans, etc

## Teaching Activities:

### B.V.Sc. & A.H. Programme

As per MSVE Regulations-2008 (7 Credit Hrs.)

### M.V.Sc. Programme

As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

### Ph.D. Programme

As per ICAR Revised Postgraduate Course Curricula-2009

## Research Priorities:

- Pregnancy diagnosis in swine.
- Semen Characteristics in local pig of Mizoram (Zovawk).
- Semen Characteristics in Mongrel dog of the region.
- Reproduction in male and female mithun.
- Artificial Insemination in pigs.
- Estrus Synchronization and Programmed A.I.

## Research activities:

- “Pregnancy diagnosis in pig with available techniques” (PI: Dr. K.Lalrintluanga; IRP/Completed)
- “Study of the result of A.I. in swine in the field condition of Mizoram” (PI: Dr. K.Lalrintluanga; IRP/Ongoing)
- “Characteristics and preservation of semen of Mizo local pig (Zovawk)” (PI: Dr. F.A. Ahmed IRP/Ongoing)
- Characteristics and preservation of semen in Mongrel Dog of Mizoram (PG research)
- Periparturient behavioural, physical and hemato-biochemical characteristics in female mithun (*Bos frontalis*) of Mizoram (PG research)

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*National Symposium*  
*Short term training programme*
## VETERINARY PUBLIC HEALTH & EPIDEMIOLOGY

### STAFF

**Faculty:**
- Dr. E. Motuna, M.V.Sc., Ph.D.  
  Associate Professor & Head  
  emotima@rediffmail.com  
  +91-9436354621
- Dr. Jully Gogoi Tiwary, M.V.Sc.  
  Assistant Professor (S.S.)
- Dr. Devajani Deka, M.V.Sc., Ph.D.  
  Assistant Professor  
  dekadcau@rediffmail.com  
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- Dr. Lallawmzuali Ralte, M.V.Sc.  
  Assistant Professor  
  malawm81008@gmail.com  
  +91-9612159019

**Supporting Staff:**
- Mr. Malsawmtluanga, FCLIA
- Mrs. Mary Lalhmingliani, MTS

**Infrastructure:**
- Trinocular Research Microscope, ELISA reader, Laminar flow, Cooling Centrifuge, BOD Incubator, Stomacher, Deep freezer (-20°C), Cell Sonicator, Projector, etc.

**Teaching Activities:**
- **B.V.Sc. & A.H. Programme:** AS per MSVE Regulations-2008 (9 Credit Hrs.)
- **M.V.Sc. Programme:** As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

**Research Priorities:**
- Microbial Food borne Pathogens of animal origin.
- Zoonotic diseases from livestock and pet animals.
- Epidemiological studies of infectious diseases with special reference to zoonotic diseases in North Eastern States.
- Air and water borne diseases and related environmental research.

**Research activities:**
- Microbial evaluation of milk and milk products of Aizawl with special reference to *Staphylococcus aureus* (PI: Dr. Jully Gogoi Tiwari; IRP/Completed)
- Studies on the prevalence of *Listeria monocytogenes* in pig and pork in Aizawl region. (PI: Dr Jully Gogoi Tiwari; IRP/Completed)
- Health survey and mortality pattern in chicken under village poultry production system in Central Mizoram” (PI: Dr. Devajani Deka; IRP/Completed)

**Extension & Other Activities:**
- Public awareness activities on zoonoses, frequently arranging poster shows on zoonoses of regional importance.
- Demonstration of rapid water and milk quality tests during different animal health camps, community health workshops and NSS camps.
- World zoonoses day is observed on 6th July every year to educate people regarding the impact of zoonoses and public health.
Faculty:

Prof. Nassiruddin Ahmed, *M.V.Sc., Ph.D.*  
Professor & Head  
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Dr. C. Lalmuanthanga, *M.V.Sc.*  
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Supporting Staff:

- Mr. Kh. Ibomcha Singh,  
  Field-cum-Laboratory Assistant

- Mr. S. Saratchandra Singh  
  Field-cum-Laboratory Assistant

- Mr. Mukesh Kumar Prasad  
  Multi-Tasking Staff

**Infrastructure:** The department is well equipped with some state of the art facilities *viz.* Rota Rod Tread Mill, Electroconvulsimeter, Actophotometer and Eddy’s Hot Plate, Analgesiometer, Binary Gradient HPLC System with UV-VIS Detector, PC-Based UV-VIS Spectrophotometer, Automatic Solvent Extraction System and High Precision Electronic Balance, Microprocessor-Based Flame Photometer, Rota Rotary Vacuum Evaporator, High Speed Cooling Centrifuge, Multichannel Student Physiograph, Plethysmometer, Tail-Flick Analgesiometer, Conditioned Response Cage/Apparatus, Safety Cabinet (Type II B2), Lyophilizer, Ultrasonicator, ELISA reader, Organ bath etc.

**Teaching Activities:**

**B.V.Sc. & A.H. Programme**  
As per MSVE Regulations-2008 (10 Credit Hrs.)

**M.V.Sc. Programme**  
As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

**Research Priorities:**

- Identification and cataloguing of important medicinal and toxic plants available in the region.
- Extraction, isolation, fractionation and purification of active principles of medicinal and toxic plants of NEH Region and their pharmacological and toxicological profiling.
- Scientific validation of pharmacological agents employed in ethno-veterinary practices by local tribes in NEH Region.
- Pharmacokinetic disposition of antimicrobial and antiparasitic drugs and determination dosage regimen and tissue residues.
- Drug and pesticide residues in soil and food commodities.

**Research activities:**

- Outreach Programme on Ethnoveterinary Medicine
- All India Network Project (AINP) on Pesticide Residue and Monitoring of Pesticide Residues at National Level (MPRNL)
- To develop standardized poly herbal formulation of medicinal plants for use as anti-coccidial agent for poultry
- Analysis of Selected Antimicrobial Drug Residues in Meat Samples collected from Aizawl Local Markets

**Extension & Other Activities:**

- The faculty and the staffs of this department are actively involved in various extension activities conducted by the University and the college in and out of the college campus
## VETERINARY PATHOLOGY

### STAFF

#### Faculty:
- **Dr. T.K. Rajkhowa, M.V.Sc., Ph.D.**
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- **Dr. Y. Damodar Singh, M.V.Sc., Ph.D.**
  - Assistant Professor (S.S.)
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  - +91-9436960330
- **Dr. R. Ravindran, M.V.Sc., Ph.D.**
  - Assistant Professor
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- **Dr. Rahul Singh Arya, M.V.Sc., Ph.D.**
  - Assistant Professor
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  - +91-8729853573

#### Supporting Staff:
- **Mr. R. Vanlalhruaizela, FCLA**
- **Mrs. Lalsanzuali Colney, FCLA**
- **Mr. Vanlalpeka, MTS**

### Infrastructure:
- The department is well equipped with sophisticated facilities for conducting research of high standards viz. PCR, Refrigerated high speed centrifuge, CO₂ incubator, UV-Vis double beam spectrophotometer, Phase contrast microscope, Electrophoresis systems with gel-documentation, Cryostat microtome, Automatic staining machine, etc.

### Teaching Activities:
- **B.V.Sc. & A.H. Programme**
  - As per MSVE Regulations-2008 (12 Credit Hrs.)
- **M.V.Sc. Programme**
  - As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

### Research Priorities:
- Infectious diseases of livestock and poultry prevailing in the North Eastern Region of India.
- Diseases of wildlife in the North Eastern Region of India.
- Molecular epidemiology of the infectious diseases prevailing in the North Eastern Region of India.
- Development of rapid diagnostic techniques for diagnosis of the detected diseases.

### Research activities:
- Aetiology/pathology of poultry diseases prevailing in Aizawl, Mizoram (PI: Dr. T.K. Rajkhowa; IRP/Completed)
- Prevalence, Diagnosis and pathological studies on Porcine Circo Virus-2 associated diseases in Mizoram (PI: Dr. T.K. Rajkhowa; IRP/Completed)
- Epidemiological studies on Classical Swine Fever in Mizoram, Manipur, Nagaland and Tripura (PI: Dr. T.K. Rajkhowa; DBT/Ongoing)
- Epidemiological studies on Classical Swine Fever in Mizoram, Manipur, Nagaland and Tripura (PI: Dr. T.K. Rajkhowa; DBT/ Ongoing)

### Extension & Other Activities:
- Participation in organization of Animal Health Camps
- Participation in Agri-fair
- Training to staff of line departments and farmers
- Publication of extension literature (Leaflets/posters)
# VETERINARY MICROBIOLOGY

## STAFF

### Faculty:

<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Qualification</th>
<th>Email/Contact</th>
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<tbody>
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</tr>
</tbody>
</table>

### Supporting Staff:

- Mrs. Diana, FCLA
- Kh. Khogen Singh, MTS

### Infrastructure:

The department is well equipped with some state of the art facilities viz. PCR, Real time PCR, Refrigerated high speed centrifuge, UV-Vis double beam spectrophotometer, electrophoresis systems with gel-documentation system, Sterile work bench with BSL-II, etc.

### Teaching Activities:

- **B.V.Sc. & A.H. Programme**: AS per MSVE Regulations-2008 (10 Credit Hrs.) + VLD
- **M.V.Sc. Programme**: As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)
- **Ph.D. Programme**: As per ICAR Revised Postgraduate Course Curricula-2009

### Research Priorities:

- Epidemiology and Mechanism of Antimicrobial Drug Resistance in Enteric Bacteria in Pigs, Poultry & Human in North East India
- Development of Suitable Diagnostics and Vaccine Against Progressive Atrophic Rhinitis in Pigs
- Epidemiology of Porcine Enteric Viruses and Enteric Bacterial Infections in North Eastern India
- Sero-Epidemiology of Sheep Pox, Goat Pox and Peste des Petits Ruminants (PPR) in Sheep and Goats in North Eastern India

### Research activities:

- Institutional BIOTECH HUB (PI: Dr. T. K. Dutta; DBT/Ongoing)
- DBT Twinning Project on Epidemiology of Extended-Spectrum Beta Lactamases (ESBLs) in *Enterobacteriaceae* group of bacteria isolated from swine in NER (Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim & Tripura) and swine & poultry in West Bengal. (PI: Dr. T. K. Dutta; DBT/Ongoing)
- DBT Twinning Project on Development of Improved Diagnostics with Monitoring and Characterization of Viral and Bacterial Pathogens Associated with Piglet Diarrhoea in North Eastern Region of India. (PI: Dr. T. K. Dutta; DBT/Ongoing)
- DBT Twinning Project on Serosurveillance and Molecular Epidemiology of peste des petits (PPR), Sheep Pox and Goat Pox in Sheep and Goats of Tripura and Mizoram. (PI: Dr. T. K. Dutta; DBT/Ongoing)

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**Multiplex PCR analysis of *Escherichia coli* isolates for four virulence genes (**stx1**, **stx2**, **eaeA** and **hlyA**) isolated from piglets and infants in Mizoram.**

**Capsular typing of *Pasteurella multocida* by multiplex PCR isolated from pigs suspected for Progressive Atrophic Rhinitis in Mizoram.**
Infrastructure: Almost all basic Laboratory Equipments for Parasitology Lab viz. simple compound to trinocular BX-51 series microscope with image analyzer software, deep freeze(-20°C to -80°C), PCR machine, centrifuge machine, electronic balance, LCD projector, etc.

Teaching Activities:
B.V.Sc. & A.H. Programme: As per MSVE Regulations-2008, three courses (8 Credit Hrs)
M.V.Sc. Programme: As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.)

Research Priorities:
- Epidemiology of different helminthic, protozoal and haemoparasitic diseases of livestock and poultry.
- Studies on heartworm disease in canine spp.
- Soil borne and food borne parasitic zoonosis prevalent in Aizawl district of Mizoram.

Research activities:
- Completed two University funded project on epidemiological aspect of helminthic and protozoal diseases of livestock in Mizoram.
- Epidemiological studies on dog heartworm is currently going on.
- Some most important zoonotic helminth viz. Paragonimus westermanni and Gnathostoma spinigerum is reported
- Prevalence of cat parasitic diseases has been reported.
**VETERINARY MEDICINE**

**STAFF**

<table>
<thead>
<tr>
<th>Faculty:</th>
<th>Supporting Staff:</th>
<th>Infrastructure:</th>
<th>Teaching Activities:</th>
<th>Research Priorities:</th>
</tr>
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</table>
| Dr. H. Prasad, M.V.Sc., Ph.D.      | Miss H. Lalnunvuli, FCLA | Specialty Diagnostic Facilities: Endscopy, Semi automatic blood analyser, Blood cell counter, Florescent microscope, OPD facilities, etc. | - B.V.Sc. & A.H. Programme: AS per MSVE Regulations-2008 (18 Credit Hrs.)  
- M.V.Sc. Programme: As per ICAR Revised Postgraduate Course Curricula-2009 (60 Credit Hrs.) | As per the mandate of the Institute, major thrust areas include development and refinement of therapeutic strategies for betterment of animal health. |
| Associate Professor & Head         | Mr. C. Lalrinhua, SWA | Teaching Activities: | Research activities: | |
| hridayesh.prasad@yahoo.in +91-9436143239 | Miss. Tlanchhuangi, MTS | - Seroprevalence and therapeutic management of sarcoptic infestation of pigs in Mizoram. (PI: Dr. K. Sarma; IRP/Completed)  
- Clinico-epidemiological and patho-biochemical studies on canine parvovirus type-2 infection in dogs.(PI: Dr. S.K. Behera; IRP/Completed)  
- Clinico-therapeutic studies on demodicosis and flea allergy dermatitis in dogs. (PI: Dr. Gunjan Das; IRP/Ongoing)  
- Clinico-haematological studies on the prevalence of hemoprotozoan diseases on dairy cattle. (PI: Dr. H. Prasad; IRP/Ongoing)  
- Livelihood improvement of empowerment of rural poor through sustainable farming system in the N-E India . (PI: Dr. H. Prasad; ERP/Ongoing) (ICAR)  
- Molecular epidemiological studies of methicillin resistant *Staphylococcus aureus* in clinical and subclinical mastitis in Mizoram, Tripura and West Bengal. . (PI: Dr. Gunjan Das; ERP/Ongoing) (DBT)  
- Studies on effect of different herbal preparations on wound healing and angiogenesis (Out-reach programme in ethno-veterinary medicine).  (PI: Dr. Gunjan Das; ERP/Ongoing) (DBT). | |
| Dr. Gunjan Das, M.V.Sc., Ph.D.     |                   |                 |                      | Research & Other Activities: |
| Associate Professor                |                   |                 |                      | - Veterinary medical help is extended to farmers at their door step by ambulatory service  
- Continuous veterinary education to field veterinarians and farmers  
- Actively participate in all the activities like  Kisan Mela, Health camps organized by Department of Extension, Krishi Vigyan Kendra & NSS unit |
KRISHI VIGYAN KENDRA

STAFF

Faculty:

<table>
<thead>
<tr>
<th>Name</th>
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</tr>
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</table>

KVK, Aizawl, College of Vety. Sc. & A. H., Selesih, Aizawl, Mizoram was established in the year 2006-07 under the umbrella of Central Agricultural University, Iroisemba, Imphal, Manipur. Krishi Vigyan Kendras an Agricultural Science Centres for imparting Vocational training by appropriate trainers to the active, young progressive farmers and school drop-out youths interested to learn and also to earn through acquired knowledge to the beneficiaries in the field of agriculture and allied subject.

Principles of KVK

- Accelerating agricultural productions in operational area of the Kendra should be the prime goal.
- Experiential learning i.e., “teaching by doing” and “learning by doing” should be the principal methods of imparting skill training.
- Training efforts should not be made to make economically good people better but the poor ones good so as to raise the living conditions of the poorest of the poor.

Mandate of KVK

- On-Farm Testing (OFT).
- Front Line Demonstration (FLD).
- Training for Practicing Farmers and Rural Youth.
- Training Programme for Extension Functionaries.

Role of KVK

- To identifying technologies for the farmers.
- To organise training for updating the Knowledge.
- To organise short and long term vocational training courses in agriculture and allied vocations for the farmers and rural youth organize.