

PROFORMA OF FACULTY PROFILE



Catherine Rutsa

Name : Mhachuvinuo

Current Designation : Assistant Professor
e-mail : cathyrutsa@yahoo.com
Contact address : Department of LPM
SASRD, Nagaland University,
Medziphema Campus,
797106, Nagaland
Contact No. : 9436005196
Date of Joining : 12.8.2003

- 1. Education:** B.V.Sc., M.V.Sc. (Clinical Med.) and Ph. D. (LPM)
- 2. Academic experience:** 15 years of teaching & Research
- 3. Research areas/field of specialization:**
 - Livestock Production & Management and Clinical Medicine
 - Breeding and up-gradation of *Tenyivo pig*
 - Innovative pig feed and feeding practices
 - Action research on low input rural piggery
 - Action research on standardization of rural rabbitry involving women
- 4. Teaching areas:**
 - Advance Swine Production & Management
 - Advance Laboratory Animal Management
 - Advances in Environmental Management
 - Basic Swine Production & Management
 - Livestock Health and Hygiene
- 5. Publications in Journals:**
 1. Basaiawmoit, A., **Rutsa, M. C.**, Zuyie, R. and Nakhro, R. 2017. Production Performance of Rabbit on Diet Supplemented with *Erythrina stricta*, *Asian Academic Research Journal of Social Sciences & Humanities*, **4**: 69-74
 2. Devi, N.S., Zuyie, R., Vidyarthi, V. K. and **Rutsa, M. C.** 2017. *Performance of Vanaraja Birds under daily and skip-a-day feeding*. *Asian Academic Research Journal of Multidisciplinary*, **04**: 54-59
 3. **Rutsa, M. C.**, Sharma, V. B., Bujarbaruah, K. M., Vidharthi, V.K., Zuyie, R, and Mech, A.M. 2011. *Effect of different breeds, caging system and seasons on production of broiler rabbit in Nagaland*; *Indian Journal of Animal Production*, **27** (3-4): 179-182

6. Other Publications:

a. Abstract:

1. **Rutsa, M. C.** 2014. Status, challenges and prospect of piggery in Nagaland. In: Proceedings of National Seminar on “Emerging Challenges and Prospective Strategies for Hill Agriculture in 2050” Held from January 23-25, 2014. Organized by Indian Association of Hill Farming in collaboration with ICAR Research Complex for NEH Region, Nagaland Centre, Jharnapani, Medziphema, pp.194-195
2. **Rutsa, M. C.**, Nakhro. R., Kamsonlian, H., Nakro, C. and Zuyie, R. 2014. Studies on the morphological characteristics and performance of upgraded Tenyivo. In: Compendium of Lead Papers and Abstracts during the National Conference on “Opportunities and Strategies for Sustainable Pig Production” held on 20-21 December 2014, organized by ICAR-National Research Centre on Pig, Rani, Guwahati-Assam. pp. 189.

b. Practical manual:

1. Practical Manual on Animal Hygiene . (APM-505). Year of publication (2008) By: **M.Catherine Rutsa**, V.Rutsa and R.Zuyie
2. Practical Manual for Dairy Production. Year of publication (2013) By: R. Zuyie, V.K,Vidyarthi and **M. Catherine Rutsa**
3. Practical Manual on Swine Production & Management (APM-202).Year of publication (2014) By: **M. Catherine Rutsa** and R. Zuyie
4. Practical Manual on Swine Production & Management (LPM-201). Year of publication (2018) By: **M. Catherine Rutsa** and R. Zuyie

c. Reports: Annual Reports for ICAR-All India Coordinated Research Project on Pig, **Nagaland Centre**, LPM, NU-SASRD, Medziphema Campus-797 106, are available as follows:

1. Annual Report – All India Coordinated Research Project on Pig & Mega Project on **(2012-13)**. Published by National Research Centre on Pig, Indian Council of Agricultural Research , Rani, Guwahati-781131. pp.80-86.
2. Annual Report – All India Coordinated Research Project on Pig & Mega Project on **(2013-14)**. Published by National Research Centre on Pig, Indian Council of Agricultural Research , Rani, Guwahati-781131. pp.103-108.

3. Annual Report – All India Coordinated Research Project on Pig & Mega Project on (2014-15). Published by ICAR-National Research Centre on Pig, Indian Council of Agricultural Research , Rani, Guwahati, Assam, Pin-781131, India. pp. 93-98.
4. Annual Report – All India Coordinated Research Project on Pig & Mega Project on (2015-16). Published by National Research Centre on Pig, Indian Council of Agricultural Research , Rani, Guwahati-781131.
5. Annual Report – All India Coordinated Research Project on Pig & Mega Project on (2016-17). Published by ICAR-National Research Centre on Pig, Indian Council of Agricultural Research , Rani, Guwahati-781131.pp.83-87.

d. Folders:

1. Care and management of pregnant sow till farrowing,2016
2. Care and management of new born piglets, 2015
3. Fodders and forages for pig feeding, 2015
4. Housing for pig, 2015
5. Silage making for pig,2015
6. Rabbit care and management, tips to farmers 2015
7. Documentation of tuber slicer, 2015
8. Upgraded Tenyivo, 2015

7. Handling of Research/ Development project/Consultancy

1. Title of the Project : **ICAR-All India Coordinated Research Project on Pig, Nagaland Centre**
 Funding Agency : ICAR
 Duration : 2009-2012 as **Farm Manager**
 2013-till date as **PI**
 Completed/On-going : **On-going**

8. Research Guidance:

Sl.No.	Topic of Thesis	Name of the student	Degree	Year of award
1.	Effect of Different Housing System on the Performance and Economics of Rabbit Production	Ndangkie Ndang	M.Sc.(Ag)	2011
2.	Studies on the growth performance of Naga Indigenous upgraded pigs	H. Kamsonlian	M.Sc.(Ag)	2015
3.	Effect of different housing system on the physiology, ethology and growth performance	Leeford Cliff Lyngkhoi	M.Sc.(Ag)	2017

	of upgraded Tenyi Vo pigs in Nagaland			
4.	Performance of Broiler Rabbit on diet supplemented with <i>Erythrina stricta</i>	Adelene Basaiawmoit	M.Sc.(Ag)	2017
5.	Effect of dietary supplementation of marigold (<i>Tagetes erecta</i>) plants on the performance of broiler rabbits	Benthunglo, K.Kithan	M.Sc.(Ag)	Continuing
6.	Effect of substituting concentrate feed with <i>Manihot esculenta</i> silage on the performance of upgraded Tenyivo pig	Augustin Kent	M.Sc.(Ag)	Continuing
7.	Performance of Soviet Chinchilla Rabbits on diet supplemented with Indian Coral plants (<i>Erythrina stricta</i>)	Adelene Basaiawmoit	Ph.D.	Continuing
8.	Effect of weaning age on the performance of upgraded Tenyivo pig	Sonile Thong	M.Sc. (Ag)	Continuing
9.	Behavioural characteristic of different traits of pigs	S. Sarendi Walling	Ph.D.	Continuing

9. Seminars/Conference Attended

1. Program on the promotion of Pig based Integrated Farming System on 23-24th April 2014 at IMC Hall, Dimapur
2. 9th National Convention of Indian Dairy Engineering Association & National seminar on Engineering Intervention of Global competitiveness of Indian Dairy Industry, ICAR-NDRI Karnal & Indian Engineers Association, NDRI-Karnal, 8-9th September 2014.
3. Role of Agri Business and Market Intelligence for Sustainable Agriculture Development, 6th-26th September 2016.
4. Augmentation of livestock productivity in NER through Nutritional Intervention, ICAR-NRC on Mithun & Animal Nutrition Society of India, Jharnapani, 24th & 25th November 2014.
5. Opportunities & Strategies for sustainable pig production, ICAR-NRC on Pig, Rani, Guwahati, 20th & 21st December 2014
6. Annual Meet on ICAR-AICRP on Pig and Mega Seed Project on Pig, NASC Complex, New Delhi, 17th-18th September 2015.
7. Workshop on “Participatory Breed Mapping” International Livestock Research Institute, Regional Office, Kohima, India; 21st September 2015.

8. Framing pig breeding policy for the state of Nagaland, Bamboo Resource Centre, Dimapur, 14th December 2015.
9. Two day National Seminar on “Education Induced Development”, St. Joseph College, Jakhama, Kohima-Nagaland, 9th & 10th October 2015

10. Any Other information:

1. *Tenyivo* pig of Nagaland recognised and registered as one of the breed of India with the Accession Number **INDIA_PIG_1400_TENYIVO_09004**. Received commendation Certificate from Indian Council of Agricultural Research- National Bureau of Animal Genetic Resources as sole applicant and initiation of breed registration on 21st June 2016.
2. Expert Committee Member – Nagaland State Pig Breeding Policy, 2016
3. Innovated and Developed Small Animal operation table
4. Innovated and developed Low cost tuber slicer for preparing pig feeds
5. Assembled Pig dummy for boar semen collection, using locally available wood materials with the local entrepreneurs



Dr. Mhachuvino Catherine Rutsa