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Scientist- C  
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Educational Qualification: M.Sc. in Life Sciences, Zoology (Entomology)  
Ph.D in Entomology (Insect Ecology)

Area of research interest:

Silkworm rearing, Seed Production, Silkworm pathology and interdisciplinary research

Professional Experiences:

Place of Posting	Designation	Period
Central Muga Eri Research & Training Institute, Lahdoigarh, Jorhat, Assam	Scientist- C	2016 – till date
Regional Tasar Research Station, Imphal (Manipur)	Scientist- C	2010 – 2016
Regional Tasar Research Station, Imphal (Manipur)	SRO/Sc-B	2004 – 2009
	SRA	2001 – 2004
Research Extension, Kikruma, Nagaland	SRA	1999 – 2001
Indian Grain Storage Management and Research Institute, Department of Food & Public Distribution, Ministry of Consumer Affair, Food & Public Distribution, Government of India, Assam.	Assistant Director	1999-1999 (short period)
Regional Tasar Research Station, Imphal	SRA	12.01.1994 – 1999

Awards if any:

- 1) Awarded: A Certificate of Merit on “Research Contribution in Oak Tasar Silkworm Pest and Diseases control”.
- 2) Best Poster Presentation Award for the poster entitled “Exploration on the Diversity of Wild Sericigenous Insect in Manipur” in the International Consultative Meeting on Seri-biotechnology 2012 (ICMS 2012) held at IBSD, 5-7 December, 2012, Imphal, Manipur.

Major Projects handled:

1. “Improvement of Oak Tasar Silkworm through hybridization and selection” (CSB).
2. “Sustainable production of 2<sup>nd</sup> crop in Oak Tasar” (CSB).
3. “Distribution, survey, isolation, characterization and control of tiger-band disease affecting Oak tasar silkworm” (CSB).

Number of Publications: 40; Number of Books: 03.

Important recent publications:

1. Reeta, Luikham, **T. James Keisa**, N. Ibohal Singh and R. Varatharajan (2008) Cytoplasmic polyhedrosis virus infecting the oak tasar silkworm, *Antheraea proylei* Jolly (Lepidoptera: Saturniidae). *Sericologia* 48(4) 365-373.

2. Ram Kishore, S.P Sharma, A.k. Denath, Suraj Prasad, S. B. Dey, **James Keisa**, T and N. Suryanarayana (2008) Uzi fly in tasar and its management. Indian Silk, June, 2008 p-21.
3. Reeta Luikham, **James Keisa**, T., K. Chaoba Singh., Biren Rana and R. Varatharajan (2010) Impact of light treatment on pupal weight loss and moth emergence in *Antheraea proylei* j. (Lepidoptera: saturniidae). *Sericologia* 50(1) 101-108.
4. Reeta Luikham, **James Keisa**, T., K. Chaoba Singh and Ibohal Singh, N. (2010) Rearing of oak tasar silkworm, *Antheraea proylei* J. on artificial diet. Bull. Ind. Acad. Seri. 14(1): 81 – 89.
5. Reeta Luikham, **T. James Keisa** and K. Chaoba Singh (2010) Effect of photophase on seed cocoon preservation in oak tasar silkworm, *Antheraea proylei* Proceeding in “Recent Trends in Oak tasar culture” 28<sup>th</sup>& 29<sup>th</sup> Oct. 2010 Palampur (H.P.) pp. 37 – 41.
6. Reeta Luikham, **James Keisa**, T., Biren Rana and K. Chaoba Singh (2011) A study on the preservation of *Antheraea proylei* J. seed cocoons in different cold storage Schedules. *Indian Journal of Sericulture*. 50(2), 175-179.
7. Reeta Luikham, **T. James Keisa** and K. Chaoba Singh. (2012) Effect of altitude on emergence behaviour of oak tasar seed cocoon in Manipur. *Indian Journal of Sericulture* 51(2), 161 – 166.
8. Reeta L, Shantibala, **T. James K**, Victor T, Chaoba K (2015) Characterization of wild sericigenous insects diversity of Manipur: Mean for conservation. *Sericologia*, 50(1): 54 – 66.

**Conference papers:**

1. **T. James Keisa**, Reeta, Luikham, N. Ibohal Singh and R. Varatharajan (2008) Total haemocytes count of Cytoplasmic polyhedrosis virus infected and healthy larvae of oak tasar silkworm, *Antheraea proylei* J. during third and fourth instar larvae. National Seminar on Conservation of Bioresources. 21-22 February, 2008. pp. 103.
9. **T. James Keisa**, Reeta, Luikham, R. Varatharajan and N. Ibohal Singh (2008) Effect of viral infection on food consumption and its utilization in Oak tasar silkworm, *Antheraea proylei* International conference on Biodiversity Conservation and Management (BIOCAM 2008) 3-6 February, pp. 110.
10. **T. James Keisa**, Reeta Luikham, L. Bidyapati, K. Chaoba Singh & N. B. Vijayaprakash, (2010) Studies on the evaluation of certain herbal extracts against the spotted disease of oak tasar silkworm, *Antheraea proylei* Proceeding in “Recent Trends in Oak tasar culture” 28<sup>th</sup>& 29<sup>th</sup> Oct. 2010 Palampur (H.P.) pp. 61 – 65.
11. **James Keisa**, T., Reeta Luikham and K. Chaoba Singh (2012) Utilization of by-products in oak tasar culture. National Seminar on “Science for shaping the future of India” 27-28<sup>th</sup> Aug. (LS-11) pp. 123.
12. Reeta Luikham, T. Shantibala, **T. James Keisa**, R.K. Lokeshwari and K.P. Arunkumar (2012) Exploration on the diversity of wild sericigenous insect in Manipur International Consultative meeting on *Seribiotechnology*, 5-7<sup>th</sup> December, (P 06) pp.28.
13. **T. James Keisa**, Reeta luikham and k. Chaoba Singh (2015) Diseases encounter during oak tasar silkworm, *Antheraea proylei* J. in Manipur. 1<sup>st</sup> Summit of National Bioresources at IBSD, Imphal.
14. Reeta Luikham, T. Shantibala, **T. James Keisa**, Lokeshawri and K. Chaoba Singh (2015) Biodiversity of Oak Tasar Silk Moths: Economic Important for the Tribals of Manipur. 1<sup>st</sup> Summit of National Bioresources at IBSD, Imphal.