

*Annexure*

---

# Annexures

## Annexure I

Abbreviation	Full name
<ol style="list-style-type: none"> <li>1. LC<sub>50</sub></li> <li>2. LT<sub>50</sub></li> <li>3. ANOVA</li> <li>4. Conc.</li> <li>5. %</li> <li>6. O.D.</li> <li>7. sp.</li> <li>8. Fig.</li> <li>9. °C</li> <li>10. rpm</li> <li>11. Min</li> <li>12. nm</li> <li>13. DTT</li> <li>14. SDS-PAGE</li> <li>15. LB</li> <li>16. h</li> <li>17. TV</li> <li>18. ml</li> <li>19. DFLs</li> <li>20. RBD</li> <li>21. T.E.</li> <li>22. SSP</li> <li>23. kDa</li> <li>24. <math>\chi^2</math></li> </ol>	<ol style="list-style-type: none"> <li>1. Lethal Concentration 50</li> <li>2. Lethal Time 50</li> <li>3. Analysis of Variance</li> <li>4. Concentration</li> <li>5. Percentage</li> <li>6. Optical Density</li> <li>7. Species</li> <li>8. Figure</li> <li>9. Degree centigrade</li> <li>10. Revolution per minute</li> <li>11. Minute</li> <li>12. Nanometer</li> <li>13. Dithiothreitol</li> <li>14. Sodium dodecylsulphate polyacrylamide gel electrophoresis</li> <li>15. Luria Bertani</li> <li>16. Hour</li> <li>17. Tea variety</li> <li>18. Milliliter</li> <li>19. Disease free layings</li> <li>20. Randomized block design</li> <li>21. Tea Estate</li> <li>22. Smith Statistical Package</li> <li>23. Kilo Dalton</li> <li>24. Chi Square</li> </ol>

# Annexure II

## Publications

### Year 2009

Mukhopadhyay, A. and De, D. 2009. Pathogenicity of a baculovirus isolated from *Arctornis Submarginata* (Walker) (Lepidoptera:Lymantriidae), a potential pest of tea growing in the Darjeeling foothills of India. *Journal of Invertebrate Pathology*. **100**: 54-56.

### Year 2008

De, D., Mukhopadhyay, A. and Chakraborty, R. 2008. A novel bacterial pathogen (*Enterobacter* sp.) isolated from the leaf roller, *Caloptilia theivora* of tea of Darjeeling foothills. *World Journal of Microbiology and Biotechnology*. DOI no. 10.1007/s11274-008-9760-0

De, D. and Mukhopadhyay, A. 2008. Pathogenicity of two strains of *Bacillus* infecting the lepidopteran tea pests, *Buzura suppressaria* and *Eterusia magnifica* in Darjeeling foothill region. *Journal of Plantation Crops*. **36(3)**:408-413.

Mukhopadhyay, A. and De, D. 2008. Evaluation of entomopathogenicity of baculoviruses to two lepidopteran pests of tea from Darjeeling Terai region. *Journal of Plantation Crops*. **36(3)**: 402-407.

### Year 2007

De, D., Sarker, M. and Mukhopadhyay, A. 2007. A report on the naturally occurring pathogenic bacteria of the lepidopteran tea pest, *Buzura suppressaria* (Lepidoptera : Geometridae) from Darjeeling foothills and plains. *Journal of Plantation Crops*. **35(2)**: 122-124.

Mukhopadhyay, A., De, D., Sarker, M. and Bambawale, O.M. 2007. New report of Baculovirus in *Buzura suppressaria* in India. *Natural Product Radiance*. **6(5)**:375-376.

Mukhopadhyay, A., Khewa, S. and De, D. 2007. A report on occurrence of a new defoliator of tea, *Arctornis submarginata* (Walker) (Lepidoptera:

Lymenitriidae) from Darjeeling terai with notes on its life history performance. *Insect Environment*. **13(2)**: 53-54.

### Year 2006

De, D., Sarker, M., Das, S. and Mukhopadhyay, A. 2006. Evaluation of killing efficacy of the polyhedrosis virus isolated from *Buzura suppressaria* Guen. (Lepidoptera: Geometridae), a defoliating pest of tea from Darjeeling foothills. *Journal of Plantation Crops*. **34(3)**: 420-422.

Das, S., Sarker, M., De, D. and Mukhopadhyay, A. 2006. Exploring the potential of insect enemies in controlling red slug and looper caterpillar, two major lepidopteran defoliators of tea from Darjeeling foothill regions. *Journal of Plantation Crops*. **34(3)**: 432-434.

### Chapters in Books

Mukhopadhyay, A. and De, D. 2008. Isolation of Baculovirus from tea looper caterpillar, *Buzura suppressaria* (Lepidoptera: Geometridae) and its bioassay. Pages 173-175. In Recent trends in Insect Pest Management (Eds. Ignacimuthu, S. and Jayaraj, S.) Elite Publishing House Pvt. Ltd. N.Delhi.

De, D. and Mukhopadhyay, A. 2008 Bioassay of two pathogenic bacteria in tea looper caterpillar, *Buzura suppressaria* and leaf roller, *Gracilaria theivora*. Pages 162—165. In Recent trends in Insect Pest Management (Eds. Ignacimuthu, S. and Jayaraj, S.) Elite Publishing House Pvt. Ltd. N.Delhi.