

Publications of DTR&DC

1. Bisen, J.S.; Singh, A. K.; Kumar, R.; Bora, D.K. and Bera, B. (2011). Vermicompost quality as influenced by different species of earthworm and bedding material. *Two and a Bud* **58**: 137-140.
2. Kumar, R.; Bora, D. K.; Singh, A. K. and Bera, B. (2011). Seasonal and clonal variations in shoot extension rates and population density of tea (*Camellia sinensis* L.). *Two and a Bud* **58**: 137-140.
3. Singh, A. K.; Bisen, J. S.; Bora, D. K.; Kumar, R. and Bera, B. (2011). Comparative study of organic, inorganic and integrated plant nutrient supply on the yield of Darjeeling tea and soil health. *Two and a Bud* **58**: 58-61.
4. Kumar, N., Rai, R and Bera, B. (2011). Impact of organic farming on the biochemical constituents and quality parameters of Darjeeling teas [*Camellia sinensis* (L) O. Kuntze.]. *Two and a Bud* 59(2): 50-55.
5. Bisen, J. S. and Singh, A. K. (2012). Impact of inorganic to organic cultivation practices on yield of tea in Darjeeling hills-A case study. *Indian J. Hort.* **69** (2): 288-291.
6. Chatterjee, S., Karki, I. B., Biswas, P., Kumar, N., Singh, Mahipal, Majumdar, A. B., and Bera, B. (2012). Zinc Oxide Nanorod Sensing Element for detection of Tea Aroma. *International Conference on Sensing Technology (ICST)*, pp 567-570.
7. Dasgupta N.; Biswas, P.; Kumar; R. Kumar;N. Bera;B. and Das S. (2013). Antioxidants and ROS scavenging ability in ten Darjeeling tea clones may serve as markers for selection of potentially adapted clones against abiotic stress *Physiol Mol Biol Plants*,**19**(3):421–433.
8. Kumar, R and Bera, B (2013). Seasonal response of photosynthetic characteristics and yield of young Darjeeling tea clone to Organic and Inorganic fertilization. *Journal of Crop and Weed*, **9**(2):142-153.
9. Choubey, M., Kumar, R., Chakraborty, A., Bisen, J.S., Singh, A.K., and Singh, Mahipal (2013). Performance of Tea Clones in the nursery through Vegetative propagation in Darjeeling. *International Journal of Scientific and Research Publications*, **3**, Issue 11, pp 1-4.
10. Biswas, P., Chatterjee, S., Kumar, N., Singh, M., Majumdar, A. B., and Bera, B (2014). Integrated Determination of tea quality based on Taster's Evaluation, Biochemical Characterization and use of Electronics. *Sensing*

Technology: Current Status and Future Trends II, Book Chapter -5.Smart Sensors, Measurement and Instrumentation **8**, DOI: 10.1007/978-3-319-02315-1_5.

- 11.** Patra, P.S., Bisen, J.S., Kumar, R., Choubey, M., Mazumdar, A.B., Singh, Mahipal and Bera, B.(2013). Effect of climate change on production of Darjeeling Tea: A case study in Darjeeling Tea research & Development Centre, Tea Board, Kurseong. Global journal of Biology, Agriculture & Health Sciences, **2** (4): 174-180.
- 12.** Kumar,R., Bisen, J.S. and Bera, B. (2014). The diurnal leaf water potential patterns of pruned and un-pruned tea clones in Darjeeling hill. J. Plantation crops, **42**(1): 128-132.
- 13.** Singh, A. K., Chauhan, R. K., & Bisen, J. S. (2014). Role of soil organic matter in soil health sustainability. International Journal on Agricultural Sciences, **5** (II): 219-227.
- 14.** Kumar, R., J. S. Bisen., Choubey, M., Singh, Mahipal and Bera, B. (2015). Studies on effect of altitude and environment on physiological activities and yield of Darjeeling tea (*Camellia sinensis* L.) plantation. Journal of Crop and Weed, **11**: 71-79.
- 15.** Kumar, R., Singh, Mahipal and Bera, B. (2015). Influence of Organic, Inorganic and Combined based Fertilizers on Bush Physiology of Darjeeling tea (*Camellia sinensis* L.). International Journal of Basic and Applied Biology. **2**, Number 4; 265-271.
- 16.** Bisen, J.S., Singh, Mahipal and Bera, B. (2015). Antifeedant properties of neem products and plant extracts against Bunch caterpillar (*Andraca bipunctata*) on tea leaves (*Camellia sinensis* L.). Pestology vol.XXXIX **6**: pp-29-33.
- 17.** Choudhury, Sudeshna Shyam, Majumder, Aparajita , Bera, Biswajit, Singh Mahipal (2015). Antimicrobial, Antioxidant Evaluation of Majestic Darjeeling Green and Black Tea during Storage. Research & Reviews: A Journal of Microbiology and Virology ISSN: 2230-9853 (online), ISSN: 2349-4360 (print) **5**, Issue 3; 24-34.
- 18.** Kumar, R., Singh, Mahipal and Bera, B. (2015). Influence of Pruning Times on the Production of Tea (*Camellia sinensis* L.) in Darjeeling Hill. International Journal of Agriculture Innovations and Research. **4**, Issue 2, ISSN (Online), . 2319-1473.
- 19.** Kumar, R., Bisen, J. S., Singh, Mahipal and Bera, B. (2015). Effect of pruning and skiffing on growth and productivity of Darjeeling tea (*Camellia sinensis* L.). International Journal of Technical Research and Applications e-ISSN: 2320-8163, **3**, Issue 3: 28-34.

- 20.** Kumar, R., Singh, Mahipal and Bera, B. (2015). Bush Physiology, Growth Analysis and Productivity of Darjeeling Tea (*Camellia sinensis* L.). International Journal of Tropical Agriculture. **33**, no. 4, 3083-3091.
- 21.** Kumar, R., J. S. Bisen., Choubey, M., Singh, Mahipal and Bera, B. (2016). Influence of changes weather conditions on physiological and biochemical characteristics of Darjeeling tea (*Camellia sinensis* L.). Global Journal of Biology, Agriculture & Health Sciences, **5** (2): -55-60.
- 22.** Choubey, Mrityunjay, Singh, I.D., Singh, Mahipal, & Bera B. (2016). Effect of Methods of Storage on Seed Viability of Tea in Darjeeling, India, pp-38. International Journal of Agricultural Science and Research **6**, Issue 2, 159-164.
- 23.** Bisen, J. S., Singh, A.K., Chauhan, R. K., Singh, Mahipal & Bera B. (2016). Improving productivity of ageing chinary tea plantation through rejuvenation pruning and sustaining soil fertility by use of organic inputs. International Journal of Agricultural Science and Research, **6**, Issue 3, 433-444.
- 24.** Bhujel, A., Singh, Manohar, Choubey, M. & Singh, M. (2016). Pest and Disease Management in Darjeeling Tea. International Journal of Agricultural Science and Research, **6**, Issue 3, 469-472.
- 25.** Chauhan, R. K, Singh, A.K., Bisen, J. S., Singh, Mahipal & Bera B. (2016). Establishment and Bringing up of Replanted Tea – An Organic Approach to Improve Productivity and Fertility of Soil. International Journal of Agricultural Sciences, **7**(1), 433-444.