

1. Name: Sayantani Nath

2. Designation: Assistant Professor

3. Educational Qualifications: M.Sc.

4. Teaching Experience: 2 years 5 months

5. Area of specialization/ interests: Plant cytogenetics

6. Publications in journals:

1. “Morphological and cytogenetical characterization of 'Dalle khursani': a polyploid cultivated Capsicum of India”. Jha T. B., Saha P. S., **Nath S.**, Das A., Jha S. (2017) *Scientia Horticulture* 215: 80-90. **(IF: 1.624)**
2. EMA based chromosome analysis in *Bixa orellana* L. and *Limonia acidissima* L. Jha T.B., **Nath S.** (2016). *The Nucleus* 59: 93- 98.
3. S Nath, TB Jha, SK Mallick, **S Jha**. Karyological relationships in Indian species of *Drimia* based on fluorescent chromosome banding and nuclear DNA amount. *Protoplasma*·252(1):283-99 (2015) **(IF: 2.651)**
4. S Nath, SK Mallick, **S Jha**. An improved method of genome size estimation by flow cytometry in five mucilaginous species of Hyacinthaceae. *Cytometry Part A*. 85(10): 833-40 (2014). **(IF: 3.06)**
5. T Samaddar, S Nath, M Halder, B Sil, D Roychowdhury, S Sen and **S Jha**. Karyotype analysis of three important traditional Indian medicinal plants, *Bacopa monnieri*, *Tylophora indica* and *Withania somnifera*. *The Nucleus* (2012) Volume 55(1) pp 17–20

7. Books/Book Chapters:

1. “Flow cytometry and its utility. In: Chromosome structure and aberrations. Bhat T. A., Wani A. A. (eds.)”. Halder M., **Nath S.**, Jha S. (2017) Springer India, pp 109-12.
2. S Nath, PS Saha and **S Jha**. Medicinal Bulbous plants: Biology, Phytochemistry and Biotechnology;. In : K G Ramawat, Jean-Michel Merillon (edts) *Bulbous Plants Biotechnology*; 13