

associated with plant growth regulator application to better understand the mechanisms responsible for enhanced seed yield.

5 Conclusion

On the basis of the above findings, it can be concluded that different concentrations of GA₃ and NAA has significant effect on growth parameters like peduncle height, number of leaves, number of branches, canopy cover and yield parameters like number of inflorescences, number of pods per inflorescence, number of seeds per pod, Thousand Grain Weight (TGW) and seed yield per plant.

GA₃ at different ppm has shown more effect than NAA at different concentrations whereas the control treatment has the least effect in all measured parameters above. GA₃ at 50 ppm has given the best result in maximum parameters like plant height, leaf number, number of pods per inflorescence, TGW and seed yield per plant.

Authors' contributions

ST handled the data collection, data analysis and manuscript writing. SK, AC and NP helped in sample collection. PNA and AS served as the primary supervisor and helped in choosing the research topic. BBK involved in the manuscript revision and providing the final structure to the manuscript. All authors read and approved the final manuscript.

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Conflict of Interest Disclosure

The authors affirm that this research was conducted without any commercial or financial relationships that could be constructed as a potential conflict of interest.

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