

sion of hemp plants, GA<sub>3</sub> inducing predominantly male plants and BAP, IAA, and to a somewhat lesser extent ABA, inducing female plants and plants with bisexual flowers. This effect of growth regulators on sex expression occurs at quite an early developmental stage of the plants.

## References

- Atal, C.K.: Sex reversal in hemp by application of gibberellin. *Current Sci.* **28**, 408–409 (1959)
- Borkowski, J.: The influence of different concentrations of 1-naphthylacetic acid on growth and flowering in cucumber (*Cucumis sativa* L.). (In Pol.) *Zesz. nauk Univ. Toruniu* **12**, 295–306 (1966)
- Chailakhyan, M.Kh., Martinovich, L.N., Kochankov, V.G.: On chemical growth regulation and the formation of generative organs in dioecious plants. (In Russ.) *Dokl. Akad. Nauk SSSR* **189**, 662–665 (1969)
- Heslop-Harrison, J.: Auxin and sexuality in *Cannabis sativa*. *Physiol. Plantarum* **4**, 588–597 (1956)
- Khryanin, V.N.: Gibberellin and sex in hemp. (In Russ.) *Agrobiologiya* **4**(5), 753–758 (1969)
- Khryanin, V.N., Milyaeva, E.L.: The influence of gibberellin on differentiation of the stem apex of hemp. (In Russ.) *Dokl. Akad. Nauk SSSR* **234**, 982–984 (1977)
- Negi, S., Olmo, H.: Sex conversion in a male *Vitis vinifera* L. by kinetin. *Science* **152**, 1624–1625 (1966)
- Zhukov, M.S., Chailakhyan, M.Kh., Kochankov, V.G., Sazhko, M.M.: The influence of gibberellin on the growth, harvest and technological qualities of hemp. (In Russ.) In: *Gibberellins and their effect on plants*, p. 261–269, M.Kh. Chailakhyan, ed. Moscow: Acad. Sci. USSR 1963

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