Map of teaching methods of discipline

 **«*Physiological basis of plants productuvity***

*Biotechnology NIS daily, 3 course*

(Преподаватель –профессор Кенжебаева С.С.

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| № | The title of discipline | Authors and title of the textbook | Number in the library of KazNU named after al-Farabi | Number after 2000 year  |
| main | addition | main | addition |
| каз. | рус. | каз. | рус. | Анг.. | рус. | каз. | рус. |
|  | ***Basics of biotechnology***  | **Основная:**1. Mechanisms of Plant Growth and Improved Productivity Modern Approaches: Modern Approaches (Books in Soils, Plants, and the Environment) Edited by A. Basra, 2018

Plant Physiology: Photosynthesis, Transpiration, and Respiration 1. Nebraska University. Atabayeva S., Kenzhebayeva S., Blavanchinskaya L. Stress physiology. ISBN978-601-04-1098-5. 2015, 84 pYakushkina N.I., Bakhtenko E.J. Plant physiology. 2018. 466 p. Plants And Crop Productivity. Edit. Rajaram Choyal  (Author) ‎ Random Publications, 2015 Kristiina Himanen (2015). Cell cycle regulation during plant growth and development, Jörg D. Becker (2012) Decision- Making in the Plant Cell Cycle.Canal BQ-n.9.Atkin OK, Bloomfield KJ, Reich PB, et al. (2015) Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. New Phytologist 2016: 614–636.Plant Biotechnology and GeneticsPrinciples, Techniques and Applications. C. Neal Stewart, Jr., Second edition. Publ. Willey. 2016. 399 P.Molecular Cell Biology, 4th editionHarvey Lodish, Arnold Berk, S Lawrence Zipursky, Paul Matsudaira, David Baltimore, and James Darnell.New York: [W. H. Freeman](http://www.whfreeman.com/); 2000.ISBN-10: 0-7167-3136-3De Jong, R. Enzyme Free Cloning for high throughput gene cloning and expression / R. de Jong, M. Daniёls, R. Kaptein and G. Folkers // J. Struct. Funct. Genomics. — 2006. — V. 7. — P. 109–118.1. Lee, J. High-throughput T7 LIC vector for introducing C-terminal poly-histidine tags with variable lengths without extra sequences / J. Lee and S. Kim // Prot. Expr. Purif. — 2009. — V. 63. — P. 58–61.

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