

CURRICULUM VITAE – NATALIYA D. ROMANYUK

Associate Professor

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A. Area of Expertise: field experiments, crop plants, mineral malnutrition, yield, plant growth regulators, plant responses to abiotic and biotic stresses, including heavy metals, salinity, biogeochemistry, phytoindication, plant-microbe interaction

B. Professional Preparation

Lviv State Univ.	Lviv, Ukraine	Biology	B.S.	1993
I. Franko Nat. Univ. of Lviv	Lviv, Ukraine	Plant Physiology	Ph.D.	2000
Univ. of Pennsylvania	Philadelphia, USA	Biochem., Mol. Biol.	PostDoc	2004-2005

C. Appointments

- 2002-current:** Associate Professor of Plant Physiology, Department of Plant Physiology and Ecology, Ivan Franko National University of Lviv, Lviv, Ukraine
- 2017-2019:** Project Director of CRDF Global Project OISE 16-62755 “Sustainable Approaches to Increase Yield and Nutritional Value of Wheat”
- 2013-2014:** Senior Researcher of the Project БР-141П, “Application of Growth-Promoting Bacterial Fertilizers for Intensification of Phytoremediation Processes of Oil-polluted Soils”, State Register № 0113U003047
- 2010-2012** Co-PI of the Project “Phytomonitoring of Antropogenically Transformed Environment”, State Register №0110U004071
- 2004-2005** Postdoctoral Fellow at University of Pennsylvania NSF-NATO grant
- 2003-2004:** Senior Researcher, Ukrainian-Hungarian project № M/409-2003 “Study of mobilization, accumulation, distribution and bioremediation of heavy metals of polluted ecosystems of Upper Tysa river basin” Uzgorod State University, Uzgorod, Ukraine
- 2003-2004** State Project ОВ-1756 “Role of growth regulators in formation of a adaptive potential to unfavorable environment, № 0103U001910
- 1997-2002:** Assist. Prof., Dept. Plant Physiology, Ivan Franko National University of Lviv, Ukraine

D. Publications most relevant to the proposed project:

- Haydyn A., Dyakiv V., **Romanyuk N.**, Kozlovskyy V. (2020) Physicochemical and biological parameters of Dombrovske Pit Lake – legacy of opencast potassium salt mine (Kalush, Ukraine). *Studia Biologica*: 14(2); 57–68 DOI: <https://doi.org/10.30970/sbi.1402.623>
- Kozlovskyy V., **Romaniuk N.**, Terek O., Chonka I., Kolesnyk O., Bolashi S., Boiko N. (2005) Heavy metals in soils and plants of Tysa river basin. *Visnyk of Lviv Univ. Biol. Ser.*, 40: 35-50
- Sheng H., Jiang Yu., **Romanyuk N.D.**, Zhou Y., Vatamaniuk O.K. et al. (2020) YSL3-mediated copper distribution is required for fertility, grain yield, and size in *Brachypodium* doi: <https://doi.org/10.1101/2019.12.12.874396>
- Makar O. O., Patsula O. I., Kavulych Y. Z., Batrashkina T. I., Bunio L. V., Kozlovskyy V. I., Vatamaniuk O., Terek O. I., **Romanyuk N. D.** (2019) Excised leaf water status as a measure of drought resistance of Ukrainian spring wheat // *Studia Biologica/Біологічні студії*. Vol. 13 (2): 41-54. DOI: <https://doi.org/10.30970/sbi.1302.604>
- N. Romaniuk**, G. Buchko, N. Buchko and O. Terek (2001) Influence of zeastimulin and laser irradiation on the contents of mineral elements in *Zea mays* L. seedlings. In: Horst W.J. et al. (eds) *Plant Nutrition. Developments in Plant and Soil Sciences*, Vol 92. Springer, Dordrecht book - Chapter Part of DOI: https://doi.org/10.1007/0-306-47624-X_85

E. Collaborators and Other Affiliations

Collaborators and Co-Editors Vatamaniuk, O., Sorrels M. (Cornell University, USA); Ph. Rea, (University of Pennsylvania, USA); Boyko, N. (Uzhhorod National University, Ukraine); Stojka, R. (Cell Biology Institute, Lviv, Ukraine), Nezyvyy, Z. (Lviv National Agrarian University, Ukraine); Vorobets, N. (D. Galytskyy National Medical Univ. of Lviv); Bachmann G., Weckwerth W.(University of Vienna, Austria), Khomenko Svitlana (V.M. Remeslo Myronivka Institute of Wheat NAAS, Ukraine), Timmusk S. (Swedish University of Agricultural Sciences, Sweden)

F. Synergistic Activities

Teaching and Advising: Lecture courses on “Advances in Phytobiology”, “Plant Physiology and Biochemistry”, “Physiology of Photosynthesis”, “Applied Phytobiology”, “Biochemistry and Molecular Biology of Plant Cell”, **PhD Thesis Advisor:** Iryna Derkach (Lviv University, 2013 – 2017)