



# SOIL COVER AND CARTOGRAPHY LABORATORY

National Scientific Center «Institute for Soil Science and  
Agrochemistry Research named after O.N. Sokolovsky»  
(NSC ISSAR), Kharkiv, Ukraine



Address: Chaikovska, 4, Kharkiv, 61024, Ukraine  
E-mail: [pochva@meta.ua](mailto:pochva@meta.ua); <http://issar.com.ua/en>



# Expertise categories

- Soil cover
- Mapping
- Soil diagnostics
- Soil classification
- Fertility
- Rational use of soil







## Skills and competences

- Development of a large-scale methodology of non-stop survey of the Ukraine soil cover;
- Upgrading soils nomenclature and soil status diagnostic techniques;
- Development of the national soils classification system;
- Parametric delineation of soils and environmental relationships;
- Development of law regulation documents to authorize soil cover studies and mapping of soils;
- Quality assessment of land resources in terms of fertility





# Main scientific results

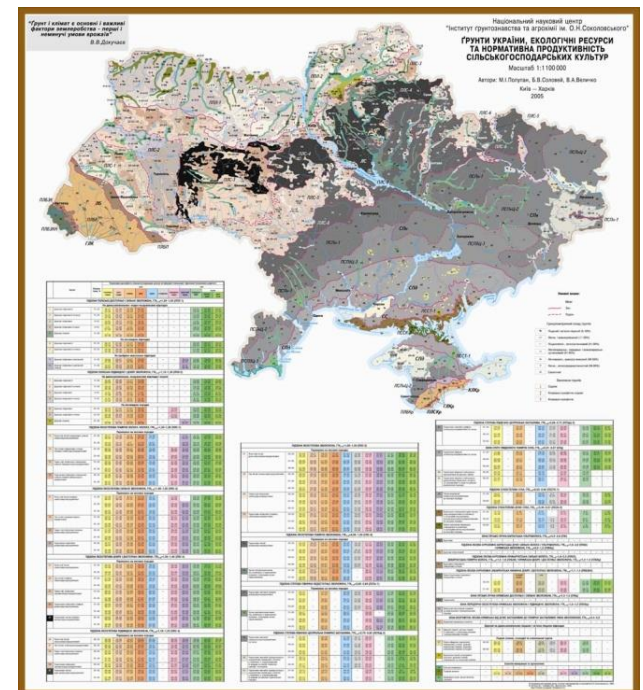
- Identification guide to ecological and genetic status and fertility of soils in Ukraine;
- Eco- substantive genetic classification of the Ukraine soils on the parametric basis;
- Parameters of agro-soil potentials per index of natural and effective fertility of Ukraine soils, in terms of major crop species;
- Survey on soil resources of Kherson region, with their productivity and regional importance as basic factors for further development of agricultural production;
- Variation of natural phosphorus contents in soils of different genesis background;
- Criteria of specific soil and climatic conditions





# Cartographic materials

- Map "Soils of Ukraine", in 1:1430000 scale
- Map "Soils of Ukraine, Environmental Resources & Standard Productivity of Crops", in 1:1100000 scale







## Some of recent publications of laboratory

1. Polupan M.I., Solovey V.B., Velichko V.A., Kirillov A.I. Environmental and genetic substantive classification of soils - theoretical and practical basis for their protection and rational use // Bulletin of Agricultural Science, Spec. Issue, April 2006 - 8 p.
2. Polupan M.I., Solovey V.B., Volkov P.A. Ukraine's soil and its fertility regulatory // Scientific Production Yearbook "User Ukrainian farmer." - 2008. - P. 69 - 71.
3. Polupan M.I., Solovey V.B., Velichko V.A. Ukrainian breakthrough in solving the problem of classification of soils // Journal of KHNAU name V.V. Dokuchaev, 2008, № 4 - 6 p.
4. Miroshnichenko N.M., Solovey V.B., Panasenko A.V., Bilivets I.I. Anthropogenic and natural heterogeneity of agro-chemical properties of typical chernozem // Bulletin KHNAU. - 2010. - P. 77 - 83.
5. Skliarevska M.M., Volkov P.A. Features ordinary slope black earth's in the Kharkiv region // Agricultural Chemistry and Soil Science. - Bk. 2. Soil and soil reclamation. - Kharkiv LLC "Smygasta typographia", 2014. - P. 77 - 78.



# Main contacts

E-mail of Laboratory: [gruntpokrov@ukr.net](mailto:gruntpokrov@ukr.net)

- V.B. Solovey - Head of Laboratory, PhD (Agricultural Sciences), Senior Scientist



- M.M. Sklyarevska - Research Worker

- P.A. Volkov - Research Worker

- Y.V. Zalavsky - Research Worker

- A.V. Tertyshna - Research Worker

- I.I. Bilivets - Research Worker

- V.V. Lebed - Post Graduate student





*Thank you for your attention*

**Adress: 61024, Kharkiv - 24, Chaikovska str., 4.**

**E-mail: [pochva@meta.ua](mailto:pochva@meta.ua)**

**<http://issar.com.ua/en>**

**SOIL COVER AND CARTOGRAPHY LABORATORY  
NSC ISSAR**