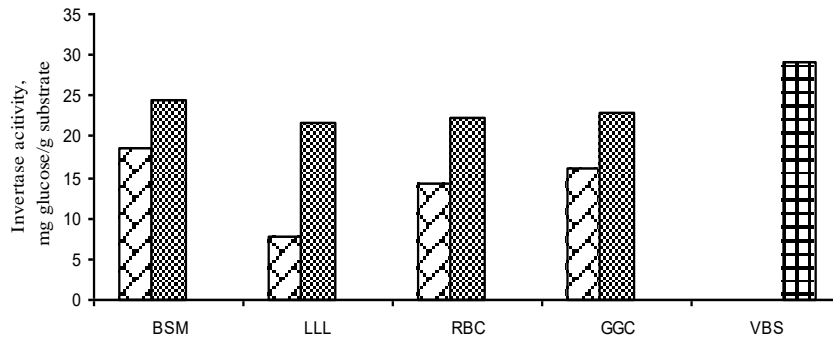


THE DYNAMIC OF INVERTASE ACTIVITY DISTRIBUTION WITH DEPTH IN RECLAIMED MINELANDS

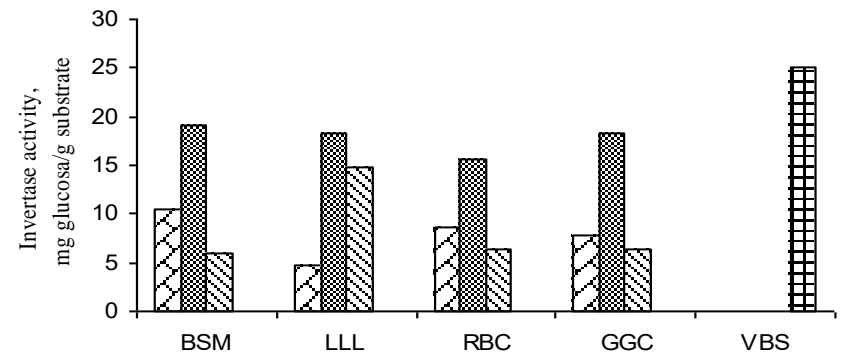
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Scientific Supervisor: Assoc.Prof. Nataliia Honchar



▨ 18-year plant melioration ▨ 33-year plant melioration ▨ Black Soil

(0-20 cm layer)



▨ 18 - year phytomelioration (20-40cm) ▨ 33 - year phytomelioration (20-40cm)

▨ 33-year phytomelioration (40-60cm) ▨ Black Soil

(20-40 cm and 40-60 layers)

Conclusion: The greatest invertase activity (IA) growth (up to 2.5 times) of this parameter is observed in the layer of 0-20 cm loess-like loam. Red-brown clay had the poorest IA level after 18 years of plant melioration process. The growth of invertase activity in the upper layer of black soil and gray-green clay is less intense. The increase in the IA level occurs more intensively under the influence of vegetation process over the past 15 years in the 20-40 cm layer compared to the 0-20 cm layer.