**Title**

Revisiting the Connection between Microbiota and Depressive Disorder- A Comparative Evaluation and Reproduction of Machine Learning Approaches

**Abstract**

**Introduction**

**Methods**

**Results**

**Discussion**

**Conclusion**

**References**

1. Kovtun AS, Averina OV, Angelova IY, et al. *Alterations of the Composition and Neurometabolic Profile of Human Gut Microbiota in Major Depressive Disorder*. Biomedicines. 2022;10(9 :2162. Published 2022 Sep 2. <https://doi.org/10.3390/biomedicines10092162>

2. Angelova IY, Kovtun AS, Averina OV, Koshenko TA, Danilenko VN. *Unveiling the Connection between Microbiota and Depressive Disorder through Machine Learning.* International Journal of Molecular Sciences. 2023; 24(22):16459. <https://doi.org/10.3390/ijms242216459>

**Acknowledgements**

**Supplementary Materials**