

**Some TetraDyn Team publications
pertaining to AOA Biomedical Research and Instrumentation**

(This is not a complete list of papers, presentations and other published reports)

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1. Khiena Z. Brainina^{1,2,*}, Elena L. Gerasimova², Daria P. Varzakova¹, Yan E. Kazakov³ and Leonid G. Galperin²
Noninvasive Method of Determining Skin Antioxidant/Oxidant Activity: Clinical and Cosmetics Applications
Anal. Bioanal. Electrochem., Vol. 5, No. 5, 2013, 528 – 542 (IF 0.234)
2. Khiena Z. Brainina^{1,2}, Leonid G. Galperin², Maria G. Markina¹, Natalia Yu. Stozhko¹
Mathematical Modelling and Numerical Simulation of the Processes in Noninvasive Potentiometric Method of Evaluating Antioxidant/Oxidant State of Skin
Advances in Analytical Chemistry 2013, 3(3A): 1-8
3. Kh. Brainina, L. Galperin, E. Gerasimova, M. Khodos.
Noninvasive potentiometric method of determination of skin oxidant/antioxidant activity
Sensors Journal, IEEE. – 2012. Vol. 12. [1.3](#) P. 527 – 532.
4. Brainina Kh.Z, Gerasimova E.L., Varzakova D.P., Balezin S.L., Portnov I.G., Makutina V.A., Tyrchaninova E.V.
Potentiometric Method for Evaluating the Oxidant/Antioxidant Activity of Seminal and Follicular Fluids and Clinical Significance of this Parameter for Human Reproductive Function
The Open Chemical and Biomedical Methods Journal, 2012, 5, 1-7.
5. Khiena Z. Brainina^{ab}; Elena L. Gerasimova^{ab}; Olga T. Kasaikina^c; Alla V. Ivanova^d
Antioxidant Activity Evaluation Assay Based on Peroxide Radicals Generation and Potentiometric Measurement
Analytical Letters [Volume 44, Issue 8](#), 2011, Pages 1405 - 1415
6. Kh. Z. Brainina,^{a,b*} L. V. Alyoshina,^a E. L. Gerasimova,^{a,b} Ya. E. Kazakov,^b A. V. Ivanova,^a Ya. B. Beykin,^c S. V. Belyaeva,^c T. I. Usatova, M. Ya. Khodos^a,
A New Electrochemical Method of Determining Blood and Blood Fractions Antioxidant Activity
Electroanalysis, 2009,v.21, No.3-5,618-624. 1,2.

7. Kh.Z. Brainina, A.V. Ivanova, E.N. Sharafutdinova, E.L. Lozovskaya and E.I. Shkarina.

Potentiometry as a method of antioxidant activity investigation

Talanta, 71(2007)13-18

8. Gyoung-Ja LEE,^a Sang-Kyu LEE,^{b,*} Ju-Myoung KIM,^c Chang Kyu RHEE,^a Yang-Kyu LEE,^d Kh. Z. BRAININA,^e and Ya.E. KAZAKOV

Using Potentiometry in Major Depressive Disorder

Electrochemistry, 82(4), 264–266 (2014)

9. Khiena Z. Brainina^{1,2,*}, Elena L. Gerasimova², Daria P. Varzakova¹, Yan E. Kazakov³ and Leonid G. Galperin²

Noninvasive Method of Determining Skin Antioxidant/Oxidant Activity: Clinical and Cosmetics Applications

K. *Anal. Bioanal. Electrochem., Vol. 5, No. 5, 2013, 528 – 542*