

**Списък на всички научни трудове (1986-2023)****1. Списък на публикации в пълен текст в научни списания и сборници****1.1. Автореферат към дисертационния труд за присъждане на научната и образователна степен «доктор»**

[Р. Бакалова](#). – Структурни аспекти на антиоксидантното действие на витамин Е в мембраните, София, 1989, 1-48

*Дисертационният труд е разработен в Института по физиология на Българската академия на науките (1996-1989). Научни ръководители: Член-кореспондент, проф. Д-р Цанко Стойчев, ст.н.с. д-р Валерян Каган.*

**1.2. Автореферат към дисертационния труд за присъждане на научната степен «доктор на науките»**

[Р. Бакалова](#). – Разработване на мултифункционални бионанопроби на основата на квантови точки: структура, физикохимични характеристики и приложение за флуоресцентни имиджинг анализи и фотосенсибилизация, 2011, 1-94

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**1.3. Статии, публикувани в книги и монографии (book-chapters)**

1. Kagan V., E. Serbinova, [R. Bakalova](#), K. Novikov, V. Skrypin, R. Evstigneeva, and Ts. Stoytchev. – Effects of alpha-tocopherol derivatives with different chain-length on *in vitro* and *in vivo* lipid peroxidation in liver microsomes, “Free Radicals, Oxidant Stress and Drug Action” (ed. C. Rice-Evans), Richelieu Press, London, 1987, p. 425-442 (статията включва оригинални резултати).
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  6. Kagan V., [R. Bakalova](#), G. Koynova, V. Tyurin, E. Serbinova, V.V. Petkov, V.D. Petkov, D. Staneva, and L. Packer. – Antioxidant protection of the brain against oxidative stress, "Free Radicals in the Brain: Aging, Neurological and Mental Disorders" (eds. L. Packer, L. Prillipko, Y. Christen), Springer-Verlag, Berlin, 1992, p. 49-61 (статията включва оригинални резултати).
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**1.4. Статии, публикувани в чужди реферирани списания (Scopus)**

*Забележка: Четири от статиите в този подраздел не се цитират в Scopus.*

10. Serbinova E., [R. Bakalova](#), Ts. Stoytchev, and V. Kagan. – Эффективность ингибирования перекисного окисления липидов в биологических мембранах антиоксидантами, содержащими и не содержащими углеводородные цепи. Бюлл. Эксп. Биол. Мед., 1986, **102**(10), 419-421. [Effectiveness of lipid peroxidation inhibition in biomembranes by antioxidants with and without hydrocarbon chain. Biull. Eksp. Biol. Med., 1986, **102**(10), 419-421. PMID: 3768505].
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