Biographical Sketch

Biographical Information:

First Name	Sedrak
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Position: Chemist - synthetics

Educational Qualifications

1999 – 2001 MSc. Yerevan State University

1995 –1999 BSc. Yerevan State University

Professional Experience:

08.2001 – 10.2003	Scientific Researcher, Institute of Organic Chemistry, NAS Armenia
10.2003 – 01.2006	Chemist – Engineer, Armenian Institute of Applied Chemistry, NAS Armenia
07.2007-till present	Scientific Researcher Life Sciences International Postgraduate Educational Center

Publications

1. А. А. Геворкян, А. С. Аракелян, С. В. Барсегян, К. А. Петросян. // Ионный характер связи С-металл и стереоселективность присоединения металлоорганических соединений по карбонильной группе. // Хим. ж. Армении, 2002, том 55, No 3-4.
2. Ayrapetyan G. S., Dadasyan E. H., Mikayelyan Y. R., Barseghyan S. V. and Ayrapetyan S. Cell bathing medium as a target for non-thermal effect of MMW on heart muscle contractility. Progress in electromagnetic research symposium proceedings, Moscow, Russia, august 18-21, 2009, 1057-1060.
3. Ayrapetyan G., Ayrapetyan H., Dadasyan E., Barseghyan S., Bagdasaryan N., Mikayelyan Y., Ayrapetyan S. The non thermal effect of weak intensity millimeter waves on physicochemical properties of water and water solutions. Electromagnetic biology and medicine, volume 28, no. 4, december 2009, pages 331-341.

4. Bagdasaryan N., Mikayelyan Y., Barseghyan S., Dadasyan E., Ayrapetyan S. The Density-dependency of dark and low background radiation effects on water and water solution properties. Electromagnetic biology and medicine, volume 31, no. 1, march 2012, pages 87-100.
5. Bagdasaryan N., Mikayelyan Y., Barseghyan S., Dadasyan E., Ayrapetyan S. The modulating impact of illumination and background radiation on 8 Hz-induced infrasound effect on physicochemical propertiesof physiological solution. Electromagnetic biology and medicine, jun 7. [Epub ahead of print]
6. Mikayelyan Y., Bagdasaryan N., Nikoghosyan., Barseghyan S., Ayrapetyan S. The EMF-induced changes in aqua medium's properties depend on background ionizing radiation, illumination and temperature. The environmentalist, volume 32, number 2, pages 179-187, 2012.

Patents

Patent # 2576A - The new method for cultivation of alkali-saline soil. AM20100076. Mikayelyan Y., Barseghyan S., Mnatsakanyan N., Papinyan V., Ayrapetyan S. (2011) http://www.aipa.am/upload/File/Texekagir/2011_12.pdf

Conferences

1. UNESCO/WHO/ONRG seminar, Electromagnetic fields: «Mechanisms of action and health effects», (October 24-26, 2008, Yerevan, ARMENIA).
2. Yerazik Mikayelyan, Naira Baghdasaryan, Anna Nikoghosyan, Sedrak Barseghyan (Armenia), "The modulating effect of background ionizing radiation, illumination and temperature on EMF-induced changes of physicochemical properties of aqua solution" . NESCO/ ONRG/ EOARD/NFSAT workshop ("The impact of EMF and infra-sounds at higher background ionizing radiation"), Tsakhkadzor, Republic of Armenia, October 12-15, 2011
3. Naira Baghdasaryan, Yerazik Mikayelyan, Sedrak Barseghyan, Erna Dadasyan, Sinerik Ayrapetyan The density-dependency of dark and low background radiation effects on water and water solution properties. NESCO/ ONRG/ EOARD/NFSAT workshop ("The impact of EMF and infra-sounds at higher background ionizing radiation"), Tsakhkadzor, Republic of Armenia, October 12-15, 2011
4. Naira Baghdasaryan, Yerazik Mikayelyan, Sedrak Barseghyan, Erna Dadasyan, Sinerik Ayrapetyan The density-dependency of dark and low background radiation effects on water and water solution properties. The Sixth annual conference on the physics, chemistry and biology of water, Vermont Photonics, USA, October 20-23, 2011.
5. С. В. Барсегян, Алкилирование малонового и ацетоуксусного эфиров 4-мети-3,4-дибромтетрагидропираном. Актуальные вопросы органической химии, Ереван, 2002 г., С. 4.

Grants

1. ISTC project temporary No. A-1592P. 2008-2009. "The comparative study of the effects of extremely low frequency electromagnetic fields and infrasound on water molecule dissociation and generation of reactive oxygen species".
2. БРФФИ - ГКН Арм # 11РБ-014, 2011-2013 Project Title: Повышение радиорезистентности зерновых культур путем модификации структуры оросительных вод.