

Curriculum Vitae

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Education:

2008-present PhD student - Laboratory of Biomedical Engineering, UNESCO
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2006-2008 M.Sc. in Biomedical Engineering, Faculty of Cybernetics, State
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2002-2006 B.Sc. in Biomedical Engineering, Faculty of Cybernetics, State
Engineering University of Armenia.

Work experience :

2006- present Researcher -Laboratory of Biomedical Engineering, UNESCO
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Publications:**In journals:**

1. S. Ayrapetyan, G. Musheghyan, A. Deghoyan, 2010. THE BRAIN TISSUE DEHYDRATION AS A MECHANISM OF ANALGESIC EFFECT OF HYPERTONIC PHYSIOLOGICAL SOLUTION IN RATS. *Journal of International Dental And Medical Research*, V3(2), 93-99.
2. A. Heqimyan, A. Deghoyan, S. Ayrapetyan, 2011. KETAMINE- INDUCED CELL DEHYDRATION AS A MECHANISM OF IT'S ANALGESIC AND ANESTHETIC EFFECTS. *Journal of International Dental And Medical Research*, V 4(1), 44-49.
3. Deghoyan A, Simonyan R, Ayrapetyan S, 2012, Double frequency impedance measurement method of determination of body hydration. *The Environmentalist journal*, V32(2), 222-227.
4. A. Deghoyan, A. Heqimyan, A. Nikoghosyan, E. Dadasyan & S. Ayrapetyan, 2012. Cell bathing medium as a target for non thermal effect of millimeter waves. *Electromagnetic Biology and Medicine*.
5. A. Deghoyan, R. Simonyan, H. Wachtel and S. Ayrapetyan, 2013. The Skeletal Muscle Impedancemetric Characteristics as a Marker for Detection of Functional State of Organism. *ISRN Biophysics Volume 2013*, Article ID 948074, 7 pages.
6. A. Deghoyan, A. Nikoghosyan, A. Heqimyan, and S. Ayrapetyan, 2014. Age-dependent effect of static magnetic field on brain tissue hydration. *Electromagnetic Biology and Medicine*, V33(1): 58–67.
7. PATENT N 2824, 2014. A The Device for Measurement of Electrical Conductivity of Biological Tissues. R. Simonyan, A. Deghoyan, S. Ayrapetyan.

Conferences/proceedings:

1. Deghoyan A., Hekimyan A., Mikaelyan Y., Nikogosyan A., Ayrapetyan S. (2009) The Extra- and Intracellular Water as a Target for Non-Thermal Biological Effect of Millimeter Waves. Fourth Annual Conference on the Physics, Chemistry and Biology of Water. October 22-25, 2009 West Dover, Vermont.

2. Heqimyan A, Deghoyan A, Ayrapetyan S, 2011. Ketamine-induced cell dehydration as a mechanism of its analgesic and anesthetic effects. *J Int Dental Medical Res*, 4(1):42–49.
3. Heqimyan A., Narinyan L., Nikoghosyan A., Deghoyan A., Yeganyan A. and Ayrapetyan S. 2011 Age-dependency of high affinity ouabain receptors and their magneto sensitivity *The Environmentalist journal*, V32(2), 228-235.
4. Deghoyan A., Heqimyan A., Nikoghosyan A., Dadasyan E., Ayrapetyan S. 2012. Cell bathing medium as a target for non thermal effect of millimeter waves. *Electromagnetic Biology and Medicine*, 1–11, DOI: 10.3109/15368378.2011.624659