

HAKOB K. TONIKYAN

- 1. First name:** Hakob
- 2. Last name:** Tonikyan
- 3. Date of birth:** 02/01/1958
- 4. Citizen:** Republic of Armenia
- 5. Address:** Institute of Chemical Physics of NAS RA, P. Sevak Street, Bildg. 5/2, 0014, Yerevan, Armenia. E-mail: htonikyan@yahoo.com; Mob: (+374) 99 224 367

6. Education:

Armenian State University; Faculty: Radiophysics and electronics; Department: Radiophysics of Superhigh Frequency; Specialization: Radiophysicist; 1975-1980.

- 7. Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Armenian	Native language		
Russian	1	1	1
English	2	4	3

8. Other skills:

Full computer literacy (MS Office, Specific program applications).

- 9. Key qualifications:** Specialist in physical chemistry, chemical kinetics. Her area of specialization includes: investigation of Bioinorganic, Bioorganic and Phenolic Antioxidants, investigation of free radical reactions, investigation of masers
- 10. Present position:** Senior Scientific Researcher, Institute of Chemical Physics after A.B. Nalbandyan of NAS RA.

11. Employment Records:

Date	Location	Company	Position held	Description
1994 to present	Yerevan, Armenia	Institute of Chemical Physics of NAS RA	Senior Scientific Researcher	Investigation of free radical and oxidation reaction kinetics; Investigation of Bioinorganic, Bioorganic and Phenolic Antioxidants and its reactions
1980-1993	Yerevan, Armenia	Institute of Radiophysics and Electronics	Scientific Researcher	Investigation of masers
1975-1980	Yerevan, Armenia	Armenian State University	Student/Master	Radiophysics and electronics

Scientific/professional Presentations:

1. Manukyan Z.H., Tonikyan H.G., Harutyunyan L.H., Tavadyan L.A.// Sodium selenite antiradical activity towards 2,2'-diphenyl-1-picrylhydrazyl. *International conference «Current problems of chemical physics»*. Yerevan, Armenia, 9-12 October, 2012.
2. Tavadyan L.A., Galoyan K.A., Harutyunyan L.H., Tonikyan H.G., Galoyan A.A.// Antioxidant and electron donating function of hypothalamic polypeptides: Galarmin and Gx-NH₂. *International symposium «Brain immune system: Neurochemical and neuroendocrine aspects»*. Yerevan, Armenia, 6-8 October 2009.

Scientific/professional Publications:

1. Tavadyan L.A., Sahakyan A.D., Harutyunyan L.H., Tonikyan H.G., and Manukyan Z.H. "Antiradical activity of dimethylselenoxide and sodium selenite" [in Russian]. *Proceedings of the Russian Academy of Sciences, Chemical series*, 2013, No.3, pp. 1586-1589.
2. Tavadyan L.A., Tonikyan H.G., Sedrakyan G.Z., Nersesyan L.A.// Selective liquid-phase oxidation of alkylbenzenes into hydroperoxides, realized under conditions of chain transfer on the surface of catalyst. *Chem. J. Armenia*, **64**: 180-183, 2011.
3. Tavadyan L.A., Galoian K.A., Harutyunyan L.A., Tonikyan H.G., Galoyan A.A. "Antioxidant and electron donating function of hypothalamic polypeptides: Galarmin and Gx-NH₂". *Neurochem. Research*, 2010, v.35, pp. 947-952.
4. Tavadyan L.A., Minasyan S.H., Musaelyan M.V., Harutyunyan L.H., Tonikyan H.G., Sorenson J.R.J. "Reactivity of Substituted Copper(II) Salicylates with *tert*-Butylperoxyl Radical: Structure – Reactivity Relationships". *International Journal of Chemical Kinetics*, 2010, v.42, pp. 56-67.
5. Tavadyan L.A., Tonikyan H.G., Minasyan S.H., Harutyunyan L.H., Greenaway F.T., Williams S., Gray-Kaufman R.A., Sorenson J.R.J. "Anti-*tert*-butylperoxyl radical reactivities of copper(II), manganese(II) and iron(III) 3,5-diisopropylsalicylate chelates". *Inorganica Chimica Acta*, 2002, v.328, pp.1-12.
6. Tavadyan L.A., Tonikyan H.G., Sedrakyan G.Z., Minasyan S.H., Greenaway F.T., Sorenson J.R.J., "In vitro kinetic antioxidant activities of radio protective and radio recovery Cu(II), Mn(II) and Fe(III) 3,5-diisopropylsalicylate chelates. *J. Labelled Cpd. Radiopharm.* 2001, v.44, pp. 787-789.

Participation in Scientific projects:

1. Grant №KA ST-IChNM- NICP/01(640-32). Project Title: Development and pilot production organization of disinfectant based on active oxygen. 2011, Belarus.
2. Grant №1-22/AC. Project Title: Organization of production of the efficient rust converter. 2010, RA.
3. Grant №NS74-01. Project Title. Antioxidant Properties of Bioactive Zn(II)(3,5-Diisopropylsalicylate)₂ Chelate: Prevention of Lipid Peroxidation in Organic Solvents. 2002-2003, Armenian National Science & Education Fund.
4. Grant №NFSAT EISI 01-01 Award. Project Title. Electrochemical Analysis Workstation. 2001, USA.