

Babak Heidary Alizadeh (PhD) organic Chemistry

Date of birth:1968

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EDUCATION

Plant protection (B Sc) Ahwaz University (1991)

Agric. Entomology (MSc) Ahwaz University (1995)

Organic Chemistry (PhD) Agricultural Dep. of Tohoku University (2002)

Organic Chemistry (Post Doc) Chemistry Dep. of Tohoku University
(2004)

Organic Chemist Researcher: Pharmacy college of Tehran Univ. and
Iranian Research Institute of Plant Protection from 2004 up to now.

RESEARCH INTEREST:

Organic Synthesis

EXPERIENCE:

Synthetic Study of natural product

PUBLICATIONS:

- 1) Alizadeh, H. B.: Sugiyama, T.: Oritani, T.: Kuwahara, S.: 9b
Preparation of N-Substituted Aryl and Alkyl Carbamates and their
Inhibitory Effect on Oat Seed Germination, *Biosci.Biotechnol. Biochem.*,
66(2), 422-425, **2002**.
- 2) Alizadeh, H. B.: Kuwahara, S.: Leal, W. S.: Men, H.: Synthesis of
Racemate of (Z)-exo- β -Bergamotenal, a pheromone Component of the
white-spotted Spined Bug, *Eysarcoris parvus* Uhler. *Biosci.Biotechnol.*
Biochem., 66(6) **2002**, 1415-1418,.
- 3) Kobayashi, S.: Alizadeh, H. B.: Sasaki, S.: Oguri, H., Hirama, M.:
Synthesis of the Fully Functionalized ABCDE Ring of Cyguatoxin,
Organic letters, Vol 6, No. 5, (**2004**) , 751-754.
- 4) Kobayashi, S.: Takahashi, M, Alizadeh, H. B.: Inoe, H., Hirama, M.:
Synthesis of The 8-Membered E Ring of ABCDE Moiety of Cyguatoxin,
Tetrahedron letters, 60 (2004) 8375-8396.
- 5) Alizadeh, B.H. ; Foroumadi, A.; Shafiee, A New Synthetic Route
Towards 2,2-Dimethylchromene and the Synthesis of its New 7-

(dimethylpropargyl)chromene Analogues Through Condensation with Grignard`s Reagents, *Heterocycles Chem* **2008**, 45, 909-912.

6) Alizadeh, B.H, Mohaghegh, J.; Synthesis of ethyl 4-isothiocyanatobutyrate as a potential attractant compound for *Nysius cymoides*. *Plant Pests and Diseases Research Institute, Appl. Ent. Phytopath*, Vol. 76, No. 2, march **2009**.

7) B. H. Alizadeh, S. N. Ostad, A. Foroumadi, R.Amini, M. Dowlatabadi, L. Navidpour, A. Shafiee, Synthesis and cytotoxic activity of novel chromenes, *ARKIVOC*, **2008** (xiii) 45-56

8) B. H. Alizadeh, A. Foroumadi, F. Poorrajab, S. K. Ardestanib, A. Shafiee, Leishmanicidal evaluation of novel Synthetic chromenes, *Archiev. De Pharmazi*, **2008**, Volume 341, Issue 12, Pages 747–803, III–VIII.

9) B. H. Alizadeh, A. Foroumadi, A. Shafiee, A Convenient Method For The Synthesis of 2,2-Dimethyl-2,3-dihydrochromen-4-ones, *Turkish J. Chem.*, 33 (**2009**) , 47 – 58.

10) Babak Heidary Alizadeh, Alireza Foroumadi, Saeed Emami, Mehdi Khoobi, Fatemeh Panah, Sussan K. Ardestani, Abbas Shafiee, Isochaihulactone analogues: Synthesis and anti-proliferative activity of novel dibenzylbutyrolactones, *Eur. J. Med. Chem.* (2010) 45:5979-5984.

- 11) Alizadeh, Babak Heidary; vosooghi Mohsen; Foroumadi Alireza; Shafiee, Abass, Synthesis and cytotoxic activity of novel Glyasperin Analogues (chromenes), *Iran J Chem & Chem Eng* (2010) vol. 29, No. 4.
- 12) Alizadeh, B. H., Saeedi, M., Golamreza, D., ;Foroumadi A.; Shafiee, A., Synthesis of some novel pyrano[2,3-f]chromenone derivatives, *Journal of the Iranian Chemical Society*. DOI 10.1007/s13738-014-0518-3.
- 13) Alizadeh, B. H., Foroumadi, A., Kobarfard, F., Shafiee, A., Synthesis of Novel Dibenzylbutyrolactones as Dimethylmatairesinol, Analogues. *J. Heterocyclic Chem.*, 00, 00 (2014). DOI 10.1002/jhet.2266.
- 14) Babak Heidary Alizadeh, Saeed Emami, Alireza Foroumadi, Abbas Shafiee, Synthesis of Cytotoxic Isodeoxydopodophyllotoxin Analogs, *J. Heterocyclic Chem.*, (2016), DOI 10.1002/jhet.2618.
- 15) Saeede Noorbakhsh, Babak Heidary Alizadeh, , Hosein Farazmand, , Moosa Saber, Studies towards the identification of the sex pheromone of carob moth *Ectomyelois ceratoniae* Zeller (Lep: Pyralidae) by headspace solid phase microextraction (SPME), (2016), *Türk. entomol. derg.*, 2017, 41 (1):61-73 DOI: <http://dx.doi.org/10.16970/ted>.

16) Saeede Noorbakhsh, Babak Heidary Alizadeh, Moosa Saber, Hosein Farazmand, (2017) Improved Synthesis of (Z,E)-9,11,13-Tetradecatrienal, the Sex Pheromone of Carob Moth *Apomyelois (=Ectomyelois) ceratoniae* (Lepidoptera: Pyralidae), J.Chem.Res. JOURNAL OF CHEMICAL RESEARCH 2017, VOL. 41 APRIL, 199–201.

17) Authors: Vahid Derakhsh Ahmadi, Zahra Rafiei-Karahroudi, Elham Sanatgar, Babak Heidary Alizadeh, Shila Goldasteh, (2020) Chlorpyrifos-loaded silver/polyethylene glycol/chitosan nanocomposite: improved termiticidal activity against *Microcerotermes diversus*. (Isoptera: Termitidae), ID: JSCIENCES-202002-1007500 (R6)

18) Amir-Hossein Danaye-Tousa, Shahriar Jafari, Babak Heidary Alizadehb, Hossein Farazmandb, The efficacy of nanocapsule loaded with *Ectomyelois ceratoniae* (Zeller) (Lepidoptera: Pyralidae) sex pheromone, International Journal of Pest Management, (2021) impress

Conference papers:

- 1) Alizadeh, B. H.; Mohaghegh, J.; Synthetic study of ethyl 4-isothiocyanato butyrate as an attractant for *Nysius cymoides*, Abstract proceedings of the 17th Iranian Plant Protection Congress.
- 2) Alizadeh, B. H.; Kuwahara, S.; Preparation of N-substituted aryl and alkyl carbamates and their inhibitory effect on oat seed germination, Abstract proceedings of the 17th Iranian Plant Protection Congress.