

Scientific Note

First record of *Zelus renardii* Kolenati (Heteroptera: Reduviidae: Harpactorinae) in IsraelPrimera cita de *Zelus renardii* Kolenati (Heteroptera: Reduviidae: Harpactorinae) en IsraelTorsten van der Heyden¹¹Immenweide 83, D-22523 Hamburg, Germany. E-mail: tmvdh@web.de

ZooBank: urn:lsid:zoobank.org:pub:6E078413-AD38-4DB2-ACB3-B4471DCDABE4

Abstract. The first record of *Zelus renardii* from Israel is reported. Additional information on the distribution of the species is given.

Key words: Distribution, Hemiptera, Mediterranean Region.

Resumen. Se presenta la primera cita de *Zelus renardii* de Israel. Se da información adicional acerca de la distribución de la especie.

Palabras clave: Distribución, Hemiptera, Región Mediterránea.

Zelus renardii Kolenati, 1856, commonly known as the Leafhopper Assassin Bug, is the only species within the New World genus *Zelus* Fabricius, 1803 that has been introduced to Europe. So far, the species has been reported from the following European countries: Albania, Greece (including the island of Crete), Italy, Spain and Turkey (also reported from the Asian part) (Davranoglou 2011; Petrakis and Moulet 2011; Baena and Torres 2012; Vivas 2012; Dioli 2013; van der Heyden 2015, 2017; Çerçi and Koçak 2016; Zhang *et al.* 2016; Simov *et al.* 2017; Pinzari *et al.* 2018). The known distribution of *Z. renardii* in Europe is principally limited to the Mediterranean Region.

A new and currently the most south-eastern record of the species in the Mediterranean Region can be added: On 8-XI-2018, Omer Netanel photographed a specimen of *Z. renardii* in Kfar Masaryk, a kibbutz located in northern Israel at the coast of the Mediterranean Sea (Fig. 1). The photograph was first published in the online database iNaturalist (Netanel 2018).

Zelus renardii has not been reported from Israel in scientific publications, yet. Thus, the record reported in this note is the first one for this country. As *Z. renardii* has been found at the boundary between Africa and Asia for the first time, more records from the south-eastern to southern coastal areas of the Mediterranean Sea can be expected in the near future.

Acknowledgements

I would like to thank Omer Netanel (Kfar Masaryk, Israel) for allowing me to use his photograph of *Z. renardii* to illustrate this paper.

Received 19 November 2018 / Accepted 26 November 2018 / Published online 14 December 2018

Responsible Editor: José Mondaca E.



Figure 1. Specimen of *Zelus renardii* Kolenati, 1856, Kfar Masaryk, Israel, 8-XI-2018. (Photograph: Omer Netanel).

Literature Cited

- Baena, M. and Torres, J.L. (2012)** Nuevos datos sobre heterópteros exóticos en España y Francia: *Tempyra biguttula* Stål, 1874, *Belonochilus numenius* (Say, 1832) y *Zelus renardii* (Kolenati, 1856) (Heteroptera: Rhyparochromidae, Orsillidae, Reduviidae). *Boletín de la Asociación española de Entomología*, 36(3-4): 351-360.
- Çerçi, B. and Koçak, Ö. (2016)** Contribution to the knowledge of Heteroptera (Hemiptera) fauna of Turkey. *Journal of Insect Biodiversity*, 4(15): 1-18.
- Davranoglou, L.R. (2011)** *Zelus renardii* (Kolenati, 1856), a New World reduviid discovered in Europe (Hemiptera: Reduviidae: Harpactorinae). *Entomologist's Monthly Magazine*, 147(1766-1768): 157-162.
- Dioli, P. (2013)** *Zelus renardii* (Kolenati, 1856) (Insecta Heteroptera Reduviidae). *Quaderno di Studi e Notizie di Storia Naturale della Romagna*, 38(133): 232-233.
- Netanel, O. (2018)** Leafhopper Assassin Bug (*Zelus renardii*). Photograph to be found on iNaturalist [Online database]. Available from: <https://www.inaturalist.org/observations/18302371>. (Accessed: 17-XI-2018).
- Petrakis, P.V. and Moulet, P. (2011)** First record of the Nearctic *Zelus renardii* (Heteroptera, Reduviidae, Harpactorinae) in Europe. *Entomologica Hellenica*, 20: 75-81.

- Pinzari, M., Cianferoni, F., Martellos, S. and Dioli, P. (2018)** *Zelus renardii* (Kolenati, 1856), a newly established alien species in Italy (Hemiptera: Reduviidae, Harpactorinae). *Fragmenta entomologica*, 50(1): 31-35.
- Simov, N., Gradinarov, D. and Davranoglou, L.-R. (2017)** Three new assassin bug records (Hemiptera: Heteroptera: Reduviidae) for the Balkan Peninsula. *Ecologica Montenegrina*, 13: 25-29.
- van der Heyden, T. (2015)** Ein aktueller Nachweis von *Zelus renardii* (Kolenati, 1856) auf Kreta/Griechenland (Hemiptera: Heteroptera: Reduviidae: Harpactorinae). *BV news Publicaciones Científicas*, 4(52): 55-59.
- van der Heyden, T. (2017)** First records of *Zelus renardii* (Kolenati, 1856) (Hemiptera: Heteroptera: Reduviidae: Harpactorinae) for Albania. *Archivos Entomológicos*, 18: 49-50.
- Vivas, L. (2012)** Primera cita en España de la especie *Zelus renardii* (Kolenati, 1857) (Heteroptera: Reduviidae) que representa la segunda cita en Europa. *BV news Publicaciones Científicas*, 1(6): 34-40.
- Zhang, G., Hart, E.R. and Weirauch, C. (2016)** A taxonomic monograph of the assassin bug genus *Zelus* Fabricius (Hemiptera: Reduviidae): 71 species based on 10,000 specimens. *Biodiversity Data Journal*, 4: e8150: 1-356. <https://doi.org/10.3897/BDJ.4.e8150>

