

3. NEW TAXA AND NOMENCLATURAL NOVELTIES IN THE BRASSICACEAE (CRUCIFERAE)

BY IHSAN A. AL-SHEHBAZ

(TOTAL: 770 BOTANICAL NOVELTIES AS OF 1 JANUARY 2013)

NEW TRIBES:

- Aethionemeae** Al-Shehbaz, Beilstein & E. A. Kellogg, *Pl. Syst. Evol.* 299: 110. 2006.
Alyssopsidae Al-Shehbaz, Warwick, Mummenhoff & M. Koch, *Pl. Syst. Evol.* 284: 228. 2010.
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Asteae Al-Shehbaz, Warwick, Mummenhoff & M. Koch, *Pl. Syst. Evol.* 284: 228. 2010.
Boechereae Al-Shehbaz, Beilstein & E. A. Kellogg, *Pl. Syst. Evol.* 299: 111. 2006.
Conringieae German & Al-Shehbaz, *Harvard Pap. Bot.* 13: 169. 2008.
Crucihimalayae German & Al-Shehbaz, *Nordic J. Bot.* 28: 647. 2010.
Descurainieae Al-Shehbaz, Beilstein & E. A. Kellogg, *Pl. Syst. Evol.* 299: 111. 2006.
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Eudemeae Al-Shehbaz, Warwick, Mummenhoff & M. Koch, *Pl. Syst. Evol.* 284: 228. 2010.
Eutremeae Al-Shehbaz, Beilstein & E. A. Kellogg, *Pl. Syst. Evol.* 299: 112. 2006.
Halimolobodeae Al-Shehbaz, Beilstein & E. A. Kellogg, *Pl. Syst. Evol.* 299: 111. 2006.
Kernereae Al-Shehbaz, Warwick, Mummenhoff & M. Koch, *Pl. Syst. Evol.* 284: 228. 2010.
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Scoliaxoneae Al-Shehbaz & Warwick, *Taxon* 60: 1161. 2011.
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Stevenieae Al-Shehbaz, D. German & M. A. Koch. *Plant Div. Evol.* 129: 72. 2011.
Yinshanieae Al-Shehbaz, Warwick, Mummenhoff & M. Koch, *Pl. Syst. Evol.* 284: 228. 2010.

NEW GENERA, SPECIES, AND SUBSPECIES, AND NEW COMBINATIONS

- Abdra aprica*** (Beadle) Al-Shehbaz, M. Koch & Jordon-Thaden, *Taxon* 61: 947. 2012.
Alyssum dahuricum (Peschkova) Al-Shehbaz, *Novon* 14: 153. 2004.
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Aphragmus bouffordii Al-Shehbaz, *Harvard Pap. Bot.* 8: 26. 2003.
A. iadikianus Al-Shehbaz, *Novon* 12: 310. 2002.
A. hinkuensis (Arai, H. Ohba & Al-Shehbaz) Al-Shehbaz and S.I. Warwick, *Can. J. Bot.* 84: 279. 2006.
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A. ohbanus (Al-Shehbaz & Arai) Al-Shehbaz and S.I. Warwick, *Can. J. Bot.* 84: 279. 2006.
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A. halleri subsp. *ovirensis* (Wulfen) O'Kane & Al-Shehbaz, *Novon* 7: 325. 1997.
A. halleri subsp. *gemmifera* (Matsumura) O'Kane & Al-Shehbaz, *Novon* 7: 325. 1997.
A. lyrata (Linnaeus) O'Kane & Al-Shehbaz, *Novon* 7: 325. 1997.
A. lyrata subsp. *kamchatica* (Fischer ex de Candolle) O'Kane & Al-Shehbaz, *Novon* 7: 326. 1997.
A. lyrata subsp. *petraea* (Linnaeus) O'Kane & Al-Shehbaz, *Novon* 7: 326. 1997.
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Boechera *acutina* (Greene) Windham & Al-Shehbaz, Harvard Pap. Bot. 12: 236. 2007.
B. arcuata (Nuttall) Windham & Al-Shehbaz, Harvard Pap. Bot. 11: 64. 2006.
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