

BIOLOGY AND ENVIRONMENT

CONTENTS

- i In this issue
- 1 **Plant communities in the gradient from raised bog to fen in a near-intact lagg zone in Carrownagappul bog, Ireland**
William Crowley, George F. Smith and Francis Mackin
- 17 **Does landscape structure affect the presence of woodland specialist pollinators in farmland? Implications for agri-environment scheme design**
Sara Ruas, Ruth Kelly, Karzan S.D. Ahmed, Stephanie Maher, Ellen O'Hora, Alessio Volpato, Daire Ó hUallacháin, Michael J. Gormally, Jane C. Stout and James Moran
- 39 **Upward shifts of species range in Mediterranean high-mountain forests under current climate change: a review**
Mariem Ben-Said
- 53 **A review and analysis of life cycle assessment tendencies in the Brazilian soybean supply chain**
Thyago Rodrigues do Carmo Brito, José Tadeu Marques Aranha, Anabela Afonso Fernandes-Silva, Leovigildo Aparecido Costa Santos and Rui Manuel de Sousa Fragoso