

BIOLOGY AND ENVIRONMENT

CONTENTS

- i **In this issue**
Bruce Osborne
- 1 **Estimating the historical distribution, abundance and ecological contribution of *Modiolus modiolus* in Strangford Lough, Northern Ireland**
James Asa Strong, Matthew Service and Heather Moore
- 17 **Benthic fish guilds in the shallow sublittoral zone of Lough Hyne, Co. Cork, Ireland**
Ryan P. Jorle, Cynthia D. Trowbridge and Rob McAllen
- 27 **Diversity and ecology of *Phytophthora* species on the island of Ireland**
Richard O'Hanlon, Alistair R. McCracken and Louise R. Cooke
- 53 **The Irish Land-Parcels Identification System (LPIS)—Experiences in ongoing and recent environmental research and land cover mapping**
Jesko Zimmermann, Réamonn M. Fealy, Kevin Lydon, Eva M. Mockler, Phillip O'Brien, Ian Packham, Gavin Smith and Stuart Green
- 63 **Temporal and spatial variation in group size of bottlenose dolphins (*Tursiops truncatus*) in the Shannon Estuary, Ireland**
Joanna Barker and Simon Berrow
- 71 **Book review: *Where Do Camels Belong? The story and science of invasive species***