

**Editorial**

- The grand challenge to operationalize landscape sustainability and the design-in-science paradigm  
L.R. Musacchio 1–5

**Landscape Ecology in Review**

- The influence of landscape, patch, and within-patch factors on species presence and abundance: a review of focal patch studies  
D.H. Thornton, L.C. Branch and M.E. Sunquist 7–18

**Research Articles**

- Past, present and future of wild ungulates in relation to changes in land use  
P. Acevedo, M.Á. Farfán, A.L. Márquez, M. Delibes-Mateos, R. Real and J.M. Vargas 19–31

- Landscape connectivity and predator–prey population dynamics  
J.A. Baggio, K. Salau, M.A. Janssen, M.L. Schoon and Ö. Bodin 33–45

- Integrating GIS and homing experiments to study avian movement costs  
A. Desrochers, M. Bélisle, J. Morand-Ferron and J. Bourque 47–58

- Spatial pattern corrections and sample sizes for forest density estimates of historical tree surveys  
B.B. Hanberry, S. Fraver, H.S. He, J. Yang, D.C. Dey and B.J. Palik 59–68

- An integration of habitat evaluation, individual based modeling, and graph theory for a potential black bear population recovery in southeastern Texas, USA  
A.T. Morzillo, J.R. Ferrari and J. Liu 69–81

- Landscape variables impact the structure and composition of butterfly assemblages along an urbanization gradient  
B. Bergerot, B. Fontaine, R. Julliard and M. Baguette 83–94

- The historic influence of dams on diadromous fish habitat with a focus on river herring and hydrologic longitudinal connectivity  
C.J. Hall, A. Jordaan and M.G. Frisk 95–107

- Modelling dynamics of ecosystem services basket in Mediterranean landscapes: a tool for rational management  
G. Koniak, I. Noy-Meir and A. Perevolotsky 109–124

- Matrix effects on plant-frugivore and plant-predator interactions in forest fragments  
J.M. Herrera, D. García and J.M. Morales 125–135

- Models based on individual level movement predict spatial patterns of genetic relatedness for two Australian forest birds  
D.F. Shanahan, H.P. Possingham and C. Riginos 137–148

**Book Reviews**

- Conservation or Politics?: Aldo Leopold - 1, Karl Marx - 4  
K.T. Killingbeck 149–150

- James Aronson, João S. Pereira and Juli G. Pausas (eds): Cork oak woodlands on the edge: ecology, adaptive management, and restoration  
A. Firmino 151–152