

## List of publications

# Prof. Dr. Gregor Kozlowski

University of Fribourg, Department of Biology and Botanic Garden, Chemin du Musée 10, CH-1700 Fribourg, Switzerland.

### Peer-reviewed articles – books – book chapters:

#### In preparation:

14. Fazan L, Dorchin N, Giriens S, Pasta S, Garfi G, Remoundou I, Ghosn D, Petrakis PV, **Kozlowski G**. 2022. A new *Contarinia* (Diptera: Cecidomyiidae) species recorded on the relict tree *Zelkova abelicea* (Ulmaceae) from the island of Crete (Greece) (in preparation).
113. Sam HV, Nha NT, Thanh LB, Tuan NT, Hai TN, Ha PT, Tuyen PT, Hang HT, Tho NT, Cerboncini C, Olarte A, Duc NM, **Kozlowski G**. 2022. The genus *Aquilaria* (Thymeleaceae) in Vietnam: diversity, conservation status and agarwood production (in preparation).
112. Sonnenwyl V, Dauphin B, Fragnière Y, Clément B, Grünig S, Parisod C, **Kozlowski G**, Gugerli F. 2022. Genetic underpinning of historical afforestation with *Pinus cembra* in the Swiss Northern Alps. (in preparation).
111. Yousefzadeh H, Asadi F, **Kozlowski G**, Crowley D. 2022. *Populus caspica*. The IUCN Red List of Threatened Species 2022 (in preparation).
110. **Kozlowski G**, Song Y-G. 2022. Protection of trees: Importance, tools, and challenges. (in preparation).

#### 2022 (8 peer-reviewed papers, total IF: 25.640, average 3.205 – July 2022):

109. Marceno C, Gristina AS, Pasta S, Garfi G, Scuderi L, **Fazan L**, **Perraudin V**, **Kozlowski G**, Laudicina VA, Venanzoni R, Guarino R. 2022. A multifaceted field sampling approach for the management of extremely narrow endemic vascular plant species. *Ecology and Evolution* IF: 2.912 (submitted).
108. Yousefzadeh H, Amirchakmaghi N, Naseri B, Shafizadeh F, **Kozlowski G**, Walas L. 2022. The potential effect of climate change on the future geographical distribution range of an endemic relict tree *Gleditsia caspica* (Fabaceae) in the Hyrcanian forest. *Ecological Informatics* (minor revision). IF: 4.498.
107. Wang T-R, Meng H-H, Zheng S-S, Jiang Y, Lin D-Q, Song Y-G, **Kozlowski G**. 2022. Landscape genetics of the vulnerable *Pterocarya macroptera* informs conservation management for relict trees in China. *Molecular Ecology* (major revision) IF: 6.622.
106. Eggenberg S, Champoud L, Leibundgut M, Parisod C, Wyss L, **Kozlowski G**. 2022. *Calamagrostis lonae* (Poaceae): A new grass species from the Pennine Alps (Switzerland) (submitted). *Candollea* IF: 0.625.
105. Fragnière Y, Gremaud J, Bétrisey S, Petitpierre B, Guisan A, **Kozlowski G**. 2022. Mapping of habitats sensitive to overgrazing in the Swiss Northern Alps using ecological niche modeling *Biological Conservation* (submitted) IF: 7.497.
104. Pasta S, Gristina AS, Scuderi L, Fazan L, Marceno C, Guarino R, Perraudin V, **Kozlowski G**, Garfi G. 2022. Conservation of *Ptilostemon greuteri* (Asteraceae), an enigmatic climate relict from Sicily (Italy): state of knowledge after the discovery of a second population. *Global Ecology and Conservation* (submitted) IF: 3.969.

103. Fazan L, Certini D, Pasta S, Remoundou I, Ghosn D, Garfi G, **Kozłowski G**. 2022. Trait variability in dispersal units and fruit of *Zelkova abelicea* (Ulmaceae) across its distribution range. *Acta Oecologica* (under review). IF: 1.930.
102. Li Y, Wang T-R, **Kozłowski G**, Liu M-H, Yi L-T, Song Y-G. 2022. Complete chloroplast genome of an endangered species *Quercus litseoides*, and its comparative, evolutionary, and phylogenetic study with other *Quercus* section *Cyclobalanopsis* species. *Genes* 13: 1184 IF: 4.141.
101. Hauser G, Giriens S, Chittaro Y, **Kozłowski G**. 2022. Un inventaire des coléoptères saproxyliques dans le canton de Fribourg révèle 86 espèces emblématiques et 132 premières mentions cantonales. *Entomo Helvetica* 15: 85-102.
100. Silva SV, Andermann T, Zizka A, **Kozłowski G**, Silvestro D. 2022. Global estimation and mapping of the conservation status of tree species using artificial intelligence. *Frontiers in Plant Science* 13: 839792. IF: 6.627.
99. Gwiazdowicz D, Skarzynski D, Fazan L, Fragnière Y, Ghosn D, **Kozłowski G**, Kuzminski R, Remoundou E, Zawieja B. 2022. Microarthropods living on the endemic tree *Zelkova abelicea* (Ulmaceae) with particular attention to Collembola diversity. *Forests* 13: 195 IF: 3.282.
98. Fazan L, Gwiazdowicz DJ, Fragnière Y, Faltynowicz W, Ghosn D, Remoundou I, Rusinska A, Urbanski P, Pasta S, Garfi G, **Kozłowski G**. 2022. Factors influencing the diversity and distribution of epiphytic lichens and bryophytes on the relict tree *Zelkova abelicea* (Lam.) Boiss. (Ulmaceae). *The Lichenologist* 54: 195-212 IF: 1.651.
97. Fazan L, Remoundou I, Ghosn D, Nikoli T, Pasta S, Garfi G, **Kozłowski G**. 2022. Understanding the factors influencing the growth of *Zelkova abelicea* in browsing exclosures. *Global Ecology and Conservation* 34: e02031. IF: 3.969.
96. Jasinska AK, Rucinska B, **Kozłowski G**, Fazan L, Garfi G, Pasta S, Bétrisey S, Gerber E, Safarov H, Van Sam H, Boratynska K, Manchester SR, Boratynski A. 2022. Leaf differentiation of extinct and remnant species of *Zelkova* in Western Eurasia. *Plant Biosystems* (in print). IF: 2.842
95. Fragnière Y, Küffer N, **Kozłowski G**. 2022. Identification des ormes d'Europe. *Journal Forestier Suisse, JFS*. 173 (2): 82-87. IF: 0.410
94. Fragnière Y, Küffer N, **Kozłowski G**. 2022. Bestimmung der europäischen Ulmen. *Schweizerische Zeitschrift für Forstwesen, SZF*. 173 (2): 1-6. IF: 0.410
93. Fragnière Y, Sonnenwyl V, Clément B, **Kozłowski G**. 2022. Large-scale historical afforestation failure with *Pinus cembra* in the Swiss Prealps. *New Forests* 53: 533-553 IF: 2.697.

**2021** (9 peer-reviewed papers, total IF: 25.998, average 2.887, and 5 ISBN-books):

92. **Kozłowski G**. (ed.). 2021. Genetic diversity and conservation of woody species (ISBN: 978-3-0365-2055-1). *Plants - MDPI*, Switzerland, Basel. pp. 164.
91. Sam HV, Tung DG, Jasinska AK, Rion F, Tuyen PT, Ngoc DTB, Tam DT, Bétrisey S, Song Y-G, **Kozłowski G**. 2021. Diversity, distribution and threats of the Juglandaceae in Vietnam. *Dendrobiology* IF: 1.111 86: 39-55.
90. Wang T-R, Wang Z-W, Song Y-G, **Kozłowski G**. 2021. The complete chloroplast genome sequence of *Quercus ningangensis* and its phylogenetic implication. *Plant and Fungal Systematics* 66: 155-165 IF: 0.742.
89. Song Y-G, Walas L, Pietras M, Kolankowska M, Van Sam H, Yousefzadeh H, Ok T, Farzaliyev V, Worobiec G, Worobiec E, Stachowicz-Rybka R, Boratynski A, Boratynska K, **Kozłowski G**, Jasinska A. 2021. Past, present and future suitable areas for the relict tree *Pterocarya fraxinifolia* (Juglandaceae): integrating fossil records, niche modelling, and phylogeography for conservation. *European Journal of Forest Research* IF: 3.140 140: 1323-1339.
88. Yousefzadeh H, Raeisi S, Esmailzadeh O, Jalali G, Nasiri M, Walas L, **Kozłowski G**. 2021. Genetic diversity and structure of rear edge populations of *Sorbus aucuparia* (Rosaceae) in the Hyrcanian Forest. *Plants* IF: 4.658 10: 1471.

87. Fragnière Y, Song Y-G, Fazan L, Manchester S, Garfi G, **Kozłowski G**. 2021. Biogeographic overview of Ulmaceae: diversity, distribution, climatic and ecological preferences. *Plants* **IF: 4.658** 10: 1111.
86. Kozłowski E, **Kozłowski G**. 2021. W poszukiwaniu dendrologicznych skarbów (ISBN: 978-83-66764-05-7). Forest Culture Center in Goluchow, Poland. pp. 88.
85. Kozłowski E, **Kozłowski G**. 2021. The green heart of our planet. A journey through the world of trees (ISBN: 978-83-66764-06-4). Forest Culture Center in Goluchow, Poland. pp. 88.
84. Jasinska AK, Rucinska B, **Kozłowski G**, Fazan L, Garfi G, Pasta S, Bétrisey S, Gerber E, Boratynska K, Boratynski A. 2021. Taxonomic relationships and population differentiation of south-western Eurasian *Zelkova* species inferred in leaf morphology. *Dendrobiology* **IF: 1.111** 85: 60-77.
83. Garfi G, Carimi F, Fazan L, Gristina AS, **Kozłowski G**, Console Livreri S, Motisi A, Pasta S. 2021. From glacial refugia to hydrological microrefugia: factors and processes driving the persistence of the climate relict *Zelkova sicula*. *Ecology and Evolution* **IF: 2.912** 11: 2919-2036.
82. Garfi G, Buord S, Carra A, Catalano C, Fazan L, Gautier C, Gristina AS, Console SL, Motisi A, Perrotta G, **Kozłowski G**, Pasta S. 2021. Translocation to prevent extinction in face of global change: the case of the sterile relict tree *Zelkova sicula*, Sicily, Italy. IUCN Conservation Translocation Specialist Group. *Global Reintroduction Perspectives*. 2021: 311-316.
81. Sun X-Q, Song Y-G, Ge B-J, Dai X-L, **Kozłowski G**. 2021. Intermediate epicotyl physiological dormancy in the recalcitrant seed of *Quercus chungii* with the elongated cotyledonary petiole. *Forests* **IF: 3.282** 12: 263.
80. Fazan L, Ghosn D, Remoundou I, Gotsiou P, Thanos C, Pasta S, Garfi G, **Kozłowski G**. 2021. Free behind bars: Effects of browsing exclusion on the growth and regeneration of *Zelkova abelicea*. *Forest Ecology and Management* **IF: 4.384** 488: 118967.
79. Eggenberg S, Fragnière Y, Sciboz J, **Kozłowski G**. 2021. Le glossaire illustré pour la botanique de terrain (ISBN : 978-3-258-08176-2) Haupt, Bern. pp. 176.
78. Eggenberg S, Fragnière Y, **Kozłowski G**. 2021. Das illustrierte Pflanzen-Glossar. Ein visuelles Wörterbuch für die Feldbotanik (ISBN: 978-3-258-08174-8). Haupt, Bern. pp. 176.

**2020** (11 peer-reviewed papers, total IF: **33.938**, average **3.085**):

77. Certini D, Fazan L, Nakayama N, Viola IM, **Kozłowski G**. 2020. Velocity of the falling dispersal units in *Zelkova abelicea* (Ulmaceae): remarkable evolutionary conservation within the relict tree genus. *American Journal of Botany* **IF: 3.038** 107: 1831-1838.
76. Fazan L, Song Y-G, **Kozłowski G**. 2020. The woody planet: From past triumph to manmade decline. *Plants* **IF: 3.935** 9: 1593.
75. Song Y-G, Li Y, Meng H-H, Fragnière Y, Ge B-J, Sakio H, Yousefzadeh H, Bétrisey S, Deng M, **Kozłowski G**. 2020. Phylogeny, species delimitation and biogeography of the relict tree genus *Pterocarya* (Juglandaceae). *Plants* **IF: 3.935** 9: 1524.
74. Fragnière Y, Pittet L, Clément B, Bétrisey S, Gerber E, Ronikier M, Parisod C, **Kozłowski G**. 2020. Climate change and alpine screes: no future for glacial relict *Papaver occidentale* (Papaveraceae) in Western Prealps. *Diversity* **IF: 2.465** 12: 346.
73. Zhang C-Y, Low SL, Song Y-G, Nurainas, **Kozłowski G**, Do TV, Li L, Zhou S-S, Tan Y-H, Cao G-L, Zhou Z, Meng H-H, Li J. 2020. Shining a light on species delimitation in the tree genus *Engelhardia* Leschenault ex Blume (Juglandaceae). *Molecular Phylogenetics and Evolution* **IF: 4.286** 152: 106918.
72. Pittet L, Fragnière Y, Grünig S, Bétrisey S, Clément B, Gerber E, Ronikier M, **Kozłowski G**, Parisod C. 2020. Genetic structure of the narrow endemic *Papaver occidentale* indicates complex patterns of survival and immigration in the Western Prealps. *Alpine Botany* **IF: 2.515** 130: 129-140.
71. Yousefzadeh H, Rajaei R, Larsen B, **Kozłowski G**. 2020. S-allele frequency and genetic diversity of *Malus orientalis* Uglitzk along an altitudinal gradient in the Hyrcanian forest. *Forest Systems* **IF: 1.178** 2: e015.

70. Felber F, Guerra V, Bétrisey S, **Kozłowski G**. Trésor végétal. Comment sauvegarder nos plantes menacées (ISBN : 978-3-258-08212-7). Editions Haupt, Bern. pp. 112.
69. Felber F, Guerra V, Bétrisey S, **Kozłowski G**. Botanischer Schatz. Wie man bedrohte Arten vor dem Aussterben rettet (ISBN: 978-3-258-08213-4). Haupt Verlag, Bern. pp. 112.
68. Bétrisey S, Arrigo N, Graf L, Bilat J, Gerber E, **Kozłowski G**. 2020. Glacial relicts in the Alps: the decline and conservation strategy for *Nuphar pumila* (Nymphaeaceae). *Alpine Botany* **IF: 2.515** 130: 89-99.
67. Song Y-G, Fragnière Y, Meng H-H, Li Y, Bétrisey S, Corrales A, Manchester S, Deng M, Jasinska A, Van Sam H, **Kozłowski G**. 2020. Global biogeographic synthesis and priority conservation regions of the relict tree family Juglandaceae. *Journal of Biogeography* **IF: 4.324** 47: 643-657.
66. Wawrzyniak M, Jasinska AK, Chmielarz P, **Kozłowski G**. 2020. Desiccation, dormancy and storage of *Pterocarya fraxinifolia* (Juglandaceae) seeds: application in Hyrcanian and Colchian forest conservation. *Canadian Journal of Forest Research* **IF: 1.812** 50: 24-31.

**2019** (6 peer-reviewed papers, total IF: **14.512**; average: **2.417**):

65. **Kozłowski G**, Song Y-G, Bétrisey S. 2019. *Pterocarya tonkinensis*. The IUCN Red List of Threatened Species 2019. e.T191414A1978789.
64. Song Y-G, Bétrisey S, **Kozłowski G**. 2019. *Pterocarya stenoptera*. The IUCN Red List of Threatened Species 2019. e.T66816454A66816456.
63. Song Y-G, Bétrisey S, **Kozłowski G**. 2019. *Pterocarya rhoifolia*. The IUCN Red List of Threatened Species 2019. e.T66816434A158965576.
62. Song Y-G, Bétrisey S, **Kozłowski G**. 2019. *Pterocarya macroptera*. The IUCN Red List of Threatened Species 2019. e.T66816136A66816223.
61. **Kozłowski G**, Song Y-G, Bétrisey S. 2019. *Pterocarya hupehensis*. The IUCN Red List of Threatened Species 2019. e.T66816108A152835141.
60. Bétrisey S, Song Y-G, Yousefzadeh H, **Kozłowski G**. 2019. *Pterocarya fraxinifolia*. The IUCN Red List of Threatened Species 2019. e.T66815986A66816002.
59. Song Y-G, Petipierre B, Deng M, Wu J-P, **Kozłowski G**. 2019. Predicting climate change impacts on the threatened *Quercus arbutifolia* in montane cloud forests in southern China and Vietnam: Conservation implications. *Forest Ecology and Management* **IF: 3.126** 444: 269-279.
58. Naciri Y, Christe C, Bétrisey S, Song Y-G, Deng M, Garfi G, **Kozłowski G**. 2019. Species delimitation in the East Asian species of the relict tree genus *Zelkova* (Ulmaceae): a complex history of diversification and admixture among species. *Molecular Phylogenetics and Evolution* **IF: 3.992** 134: 172-185.
57. Yousefzadeh H, Khodadost A, Abdollahi H, Ali SS, **Kozłowski G**, Bina H. 2019. Biogeography and phylogenetic relationships of the Hyrcanian wild apple using cpDNA and ITS noncoding sequences. *Systematics and Biodiversity* **IF: 2.356** 17: 295-307.
56. Carra A, Catalano C, Badalamenti O, Carimi F, Pasta S, Motisi A, Abbate L, La Bella F, Fazan L, **Kozłowski G**, Garfi G. 2019. Overcoming sexual sterility in conservation of endangered species: the prominent role of biotechnology in multiplication of *Zelkova sicula* (Ulmaceae), a relict tree at the brink of extinction. *Plant Cell, Tissue and Organ Culture* **IF: 2.200** 137: 139-148.
55. Yousefzadeh H, Rajaei R, Jasinska AK, Walas L, Fragnière Y, **Kozłowski G**. 2019. Genetic diversity and differentiation of the riparian relict tree *Pterocarya fraxinifolia* (Juglandaceae) along altitudinal gradients in the Hyrcanian forest (Iran). *Silva Fennica* **IF: 1.683** 52: 10000.
54. Yousefzadeh H, Colagar AH, Yousefi E, Badbar M, **Kozłowski G**. 2019. Phylogenetic relationship and genetic differentiation of *Populus caspica* and *P. alba* using cpDNA and ITS noncoding sequences. *Journal of Forestry Research* **IF: 1.155** 30: 451-461.

**2018:**

53. **Kozłowski G**, Bétrisey S, Song Y-G, Fazan L, Garfi G. 2018. *The Red List of Zelkova*. Natural History Museum Fribourg, Switzerland (book) pp. 32.
52. **Kozłowski G**, Bétrisey S, Song Y-G. 2018. *Wingnuts (Pterocarya) and walnut family. Relict trees: linking the past, present and future*. Natural History Museum Fribourg, Switzerland (book) pp. 128.
51. Bétrisey S, Yousefzadeh H, **Kozłowski G**. 2018. *Zelkova carpinifolia*. The IUCN Red List of Threatened Species 2018: e.T31303A131166773.
50. Song Y-G, Bétrisey S, **Kozłowski G**. 2018. *Zelkova schneideriana*. The IUCN Red List of Threatened Species 2018: e.T131155456A131155458.
49. Bétrisey S, Song Y-G, **Kozłowski G**. 2018. *Zelkova serrata*. The IUCN Red List of Threatened Species 2018: e.T61967528A61967548.
48. Bétrisey S, Song Y-G, Liu Z, **Kozłowski G**. 2018. *Zelkova sinica*. The IUCN Red List of Threatened Species 2018: e.T131155483A131155485.
47. Fragnière Y, Ruch N, Kozłowski E, **Kozłowski G**. 2018. *Botanische Grundgenntnisse auf einen Blick: 40 mitteleuropäische Pflanzenfamilien / Connaissances botaniques de base en un coup d'oeil: 40 familles de plantes d'Europe centrale*. Haupt, Bern. (book) pp. 320.
46. Abukrees F, **Kozłowski G**, Meade CV. 2018. Characterization of diverse ploidy in the Arctic-Alpine *Arenaria ciliata* species complex (Caryophyllaceae) using shoot meristem staining and flow cytometry analysis of archived frozen tissue. *Plant Species Biology* 33: 144-152.

#### 2017:

45. Garfi G, Pasta S, Fazan L, **Kozłowski G**. 2017. *Zelkova sicula*. The IUCN Red List of Threatened Species 2017. e.T61678A86134112.
44. Garfi G, Pasta S, Fazan L, **Kozłowski G**. 2017. *Zelkova sicula*. In: Pasta S, Perez-Graber A, Fazan L, Montmollin B. de. (Editors) 2017. *The Top 50 Mediterranean Island Plants*. UPDATE 2017. IUCN/SSC/Mediterranean Plant Specialist Group. Neuchâtel (Switzerland). (book chapter) (top50.iucn-mpsg.org).
43. Fazan L, Guillet S, Corona Ch, **Kozłowski G**, Stoffel M. 2017. Imprisoned in the Cretan mountains: How relict *Zelkova abelicea* (Ulmaceae) trees cope with Mediterranean climate. *Science of the Total Environment* 599-600: 797-805.
42. D'Andrea L, Meirmans P, Van de Wiel C, Guadagnuolo R, Van Treuren R, **Kozłowski G**, Den Nijs H, Felber F. 2017. Molecular biogeography of prickly lettuce (*Lactuca serriola* L.) shows traces of recent range expansion. *Journal of Heredity* 108: 194-206.
41. Mostajeran F, Yousefzadeh H, Davitashvili N, **Kozłowski G**, Akbarinia M. 2017. Phylogenetic relationships of *Pterocarya* (*Juglandaceae*) with an emphasis on the taxonomic status of Iranian populations using ITS and *trnH-psbA* sequence data. *Plant Biosystems* 151: 1012-1021.

#### 2016:

40. Arrigo N, Bétrisey S, Graf L, Bilat J, Gerber E, **Kozłowski G**. 2016. Hybridization as a threat in climate relict *Nuphar pumila* (Nymphaeaceae). *Biodiversity and Conservation* 25: 1863-1877.
39. Frey D, Arrigo N, Granereau G, Sarr A, Felber F, **Kozłowski G**. 2016. Parallel declines in species and genetic diversity driven by anthropogenic disturbance: a multispecies approach in a French Atlantic dune system. *Evolutionary Applications* 9: 479-488.

#### 2015:

38. Fragnière Y, **Bétrisey S**, Cardinaux L, **Kozłowski G**. 2015. Fighting their last stand? A global analysis of the distribution and conservation status of gymnosperms. *Journal of Biogeography* 42: 809-820.

37. Jasinska A, Rucinska B, **Kozłowski G**, Bétrisey S, Safarov H, Boratynska K, Boratynski A. 2015. Morphological differentiation of leaves in the relict tree *Zelkova carpinifolia* leaves (Ulmaceae). *Dendrobiology* 74: 109-122.
36. Maharramova E, Safarov H, **Kozłowski G**, Borsch T, Muller L. 2015. Analysis of nuclear microsatellites reveals limited differentiation between Colchic and Hyrcanian populations of the wind-pollinated relict tree *Zelkova carpinifolia* (Ulmaceae). *American Journal of Botany* 102: 119-128.
35. **Kozłowski G**, Stoffel M, Bétrisey S, Cardinaux L, Mota M. 2015. Hydrophoby of gymnosperms: myth or reality? *Ecohydrology* 8: 105-112.

#### 2014:

34. Christe C, **Kozłowski G**, Frey D, Fazan L, Bétrisey S, Pirintsos S, Gratzfeld J, Naciri Y. 2014. Do living ex situ collections capture the genetic variation of wild populations? A molecular analysis of two relict tree species *Zelkova abelicea* and *Z. carpinifolia*. *Biodiversity and Conservation* 23: 2945-2959.
33. Christe C, **Kozłowski G**, Frey D, Bétrisey S, Maharramova E, Garfi G, Pirintsos S, Naciri Y. 2014. Footprints of past intensive diversification and structuring for the genus *Zelkova* (Ulmaceae) in southwest Eurasia. *Journal of Biogeography* 41: 1081-1093.
32. Bosque M, Adamogianni M-I, Bariotakis M, Fazan L, Stoffel M, Garfi G, Gratzfeld J, **Kozłowski G**, Pirintsos S. 2014. Fine-scale spatial patterns of the Tertiary relict *Zelkova abelicea* (Ulmaceae) indicate possible processes contributing to its persistence to climate changes. *Regional Environmental Change* 14: 835-849.
31. **Kozłowski G**, Frey D, Fazan L, Egli B, Bétrisey S, Gratzfeld J, Garfi G, Pirintsos S. 2014. Tertiary relict tree *Zelkova abelicea* (Ulmaceae): distribution, population structure and conservation status. *Oryx* 48: 80-87.

#### 2013:

30. Berthouzoz M, Maendly S, Bétrisey S, Mangili S, Prunier P, Lexer Ch, **Kozłowski G**. 2013. Some like it cold: distribution, ecology and phylogeny of *Arenaria bernensis* FAVARGER (Caryophyllaceae) from the western Prealps in Switzerland. *Alpine Botany* 123: 65-75.
29. **Kozłowski G**, Bondallaz L. 2013. Urban aquatic ecosystems: habitat loss and depletion of native macrophyte diversity during the 20th century. *Urban Ecosystems* 16: 543-551.
28. **Kozłowski G**, Gratzfeld J. 2013. *Zelkova - an ancient tree. Global status and conservation action*. Natural History Museum Fribourg, Switzerland. (book) pp. 60.

#### 2012:

27. **Kozłowski G**, Frey D, Fazan L, Egli B, Pirintsos S. 2012. *Zelkova abelicea*. In: IUCN 2012. IUCN Red List of Threatened Species. Version 2012.2. [www.iucnredlist.org](http://www.iucnredlist.org).
26. Frey D, **Kozłowski G**, Granereau G, Löwy M. 2012. *Alyssum loiseleurii* P. Fourn. subsp. *loiseleurii* (Brassicaceae), a threatened narrow endemic of the French Atlantic coast. *Bulletin de la Société Linnéenne de Bordeaux* 147: 285-300.
25. Fazan L, Stoffel M, Frey D, Pirintsos S, **Kozłowski G**. 2012. Small does not mean young: age estimation of severely browsed trees in anthropogenic Mediterranean landscapes. *Biological Conservation* 153: 97-100.
24. **Kozłowski G**, Gibbs D, Fun H, Frey D, Gratzfeld J. 2012. Conservation of threatened relict trees through living ex situ collections: lessons from the global survey of the genus *Zelkova* (Ulmaceae). *Biodiversity and Conservation* 21: 671-685.
23. Frey D, Haag C, **Kozłowski G**, Tison J-M, Mraz P. 2012. High genetic and morphological diversity despite range contraction in the diploid *Hieracium eriophorum* (Asteraceae) endemic to the

coastal sand dunes of south-western France. *Botanical Journal of the Linnean Society of London* 169: 365-377.

22. Rocha J, Crespi AL, Garcia-Barussio M, **Kozłowski G**, Almeida R, Honrado J, Talavera S, Amich F. 2012. Morpho-environmental characterization of the genus *Baldellia* Parl. (Alismataceae) in the Iberian Peninsula, Balearic Islands and North Morocco. *Plant Biosystems* 146: 334-344.

#### 2011:

21. Arrigo N, Buerki S, Sarr A, Guadagnuolo R, **Kozłowski G**. 2011. Phylogeography of the monocot genus *Baldellia* (Alismataceae): Mediterranean refugia, suture zones and implications for conservation. *Molecular Phylogenetics and Evolution* 58: 36-45.

#### 2010:

20. Gerber E, **Kozłowski G**, Mariéthoz A-S. 2010. *Die Flora der Voralpen - zwischen Thuner- und Genfersee*. Haupt/Rossolis. (book) pp. 224.

#### 2009:

19. **Kozłowski G**, Vallelian S. 2009. Eutrophication and endangered aquatic plants: An experimental study on *Baldellia ranunculoides* (L.) Parl. (Alismataceae). *Hydrobiologia* 635: 181-187.
18. **Kozłowski G**, Rion S, Python A, Riedo S. 2009. Global conservation status assessment of the threatened aquatic genus *Baldellia* (Alismataceae): challenges and limitations. *Biodiversity and Conservation* 18: 2307-2325.
17. **Kozłowski G**, Bürcher S, Fleury M, Huber F. 2009. The Atlantic elements in the Swiss flora - distribution, diversity, and conservation status. *Biodiversity and Conservation* 18: 649-662.
16. D'Andrea L, Broennimann O, **Kozłowski G**, Guisan A, Morin X, Keller-Senftén J, Felber F. 2009. Climate change, anthropogenic disturbance and the northward expansion of (*Lactuca serriola*) (Asteraceae). *Journal of Biogeography* 36: 1573-1587.
15. **Kozłowski G**, Matthies D. 2009. Habitat differentiation in the aquatic plant genus *Baldellia* sp. (Alismataceae): implications for conservation. *Aquatic Botany* 90: 110-118.

#### 2008:

14. **Kozłowski G**, Jones RA, Vuille-Nicholls F-L. 2008. Biological Flora of the Central Europe: *Baldellia ranunculoides* (Alismataceae). *Perspectives in Plant Ecology, Evolution and Systematics* 10: 109-142.
13. **Kozłowski G**. 2008. Is the global conservation status assessment of a threatened taxon a utopia? *Biodiversity and Conservation* 17: 445-448.
12. **Kozłowski G**. 2008. Urban biodiversity: Search for new concepts and approaches for better understanding of urban ecosystems. In: *Campagne-ville - Les pas de deux. Enjeux et opportunités des recompositions territoriales*. Eds: Weber LL, Deschenaux C, Tranda-Pittion M. Presses polytechniques et universitaires romandes, Lausanne (book chapter) pp. 277-286.

#### 2007:

11. Felber F, **Kozłowski G**, Arrigo N, Guadagnuolo R. 2007. Genetic and ecological consequences of transgene flow to the wild flora. *Advances in Biochemical Engineering / Biotechnology* 107: 173-205.

#### 2005:

10. **Kozłowski G**, Eggenberg S. 2005. Vorkommen der Kleinen Teichrose *Nuphar pumila* und des Hybrids *N. x intermedia* in der Schweiz. *Botanica Helvetica* 115: 125-136.

**2003:**

9. Purro Ch, **Kozłowski G**. 2003. *Flore de la ville de Fribourg*. Academic Press Fribourg. (book) pp. 610.  
 8. Landergott U, **Kozłowski G**, Schneller J, Holderegger R. 2003. The importance of recent population history for understanding genetic diversity in threatened species, with special reference to *Dryopteris cristata*. *Fern Gazette* 17: 37-49.

**2002:**

7. **Kozłowski G**. 2002 *Nos fougères / Unsere Farne*. Editions du Musée d'histoire naturelle de Fribourg. (book) pp. 160.

**2001:**

6. Landergott U, Holderegger R, **Kozłowski G**, Schneller J. 2001. Historical bottlenecks decrease genetic diversity in natural populations of *Dryopteris cristata*. *Heredity* 87: 344-355.

**2000:**

5. Landergott U, Holderegger R, Schneller J, **Kozłowski G**. 2000. Veränderungen der Verbreitung und Populationsgeschichte des seltenen Kammfarns (*Dryopteris cristata* (L.) A. Gray) in der Schweiz. *Botanica Helvetica* 110: 151-170.

**1999:**

4. **Kozłowski G**, Métraux J-P. 1999. Antifungal properties of Norway spruce (*Picea abies* (L.) Karst.) seedlings against *Pythium ultimum* Trow. *Physiological and Molecular Plant Pathology* 55: 53-58.  
 3. **Kozłowski G**, Buchala A, Métraux J-P. 1999. Methyl jasmonate protects Norway spruce (*Picea abies* (L.) Karst.) seedlings homogenates. *Acta Soc. Bot. Pol.* 68: 191-195.

**1998:**

2. **Kozłowski G**, Métraux J-P. 1998. Infection of Norway spruce (*Picea abies* (L.) Karst.) with *Pythium irregulare* Buism. and *Pythium ultimum* Trow.: histological and biochemical response. *European Journal of Plant Pathology* 104: 225-234.

**1996:**

1. Wesoly, W, Lassocinski W, **Kozłowski G**, 1996. Micropropagation of aspen *Populus tremula* and clones of *Populus tremula* x *Populus tremuloides*. *PTPN* 82: 157-163.



### Other publications:

39. **Kozłowski G**, Pittet L, Fragnière Y, Gerber E, Parisod C. 2020. Le pavot occidental (*Papaver occidentale*) L'avenir incertain des relictés glaciaires / Westlicher Alpenmohn (*Papaver occidentale*). Die ungewisse Zukunft der Glazialrelikte. FloraCH 10: 4-6.
38. Song Y-G. et al. (18 authors, a. o. **Kozłowski G.**) 2019. Major refugia of relict trees: advances in research and conservation. Conference - book of abstracts. 8th-9th July 2019, Shanghai, China. pp. 46.
37. Fazan L, Pasta S, Remoundou I, Ghosn D, Garfi G, Sklavaki P, Dimitriou D, Kargiolaki H, Flouris E, Siligardos E, Petrakis PV, Thannos C, **Kozłowski G.** 2018. *Zelkova abelicea*. Yearbook 2018. International Dendrology Society, pp. 35-41.
36. Fischer B, **Kozłowski G**, Ruch N. 2018. Die Systematik lebt! La systématique est vivante! Info Flora plus 2018: 28-30.
35. Fazan L, Fournaraki C, Gotsiou P, Sklavaki P, Dimitriou D, Kargiolaki H, Kehagiadaki E, Aspetakis I, Arvanitis P, Silligardos E, Koudoumas E, **Kozłowski G.** 2017. Integrated conservation actions for the relict and endemic Cretan tree *Zelkova abelicea* (Ulmaceae). Proceedings of the 18th Panhellenic Forestry Congress. Edessa, Greece.
34. Garfi G, Pasta S, Buord S, **Kozłowski G**, Fazan L, Gratzfeld J. 2017. Securing the future of a unique Sicilian plant on the verge of extinction - translocation of *Zelkova sicula*. BGCI's Manual on Planning, Developing and Managing of Botanic Gardens. pp. 179-181.
33. **Kozłowski G.** 2017. *Zelkova sicula*, un des arbres les plus rares au monde - interview avec Giuseppe Garfi. Info Flora plus 2017: 41.
32. Bétrisey S, Gerber E, **Kozłowski G**, Arrigo N. 2017. Le nénuphar nain: une disparition silencieuse / Das unmerkliche Verschwinden der Kleinen Teichrose. Info Flora plus 2017: 6-9.
31. Joaquim J, Schwarzer, Bétrisey S, Fragnière Y, **Kozłowski G.** 2016. *Characées du canton de Fribourg*. Natural History Museum Fribourg, Switzerland. pp. 28.
30. Fragnière Y, **Kozłowski G.** 2016. *Les érables du Jardin botanique de Fribourg / Ahorne des Botanischen Gartens Freiburg*. Botanic Garden of the University of Fribourg, Switzerland. pp 32.
29. Fragnière Y, Haas Q, Bétrisey S, **Kozłowski G.** 2015. L'érable à feuilles d'obier (*Acer opalus*) dans le canton de Fribourg. Bull. Soc. Frib. Sc. Nat. 104: 63-73.
28. Gratzfeld J, **Kozłowski G**, Fazan L, S. Buord, Garfi G, Pasta S, P. Gotsiou, Fournaraki Ch, Dimitriou D. 2015. Whither rare relict trees in a climate of rapid change? BGjournal 12.2.: 21-25.
27. Maggetti M, Bourgarel G, Sernels V, **Kozłowski G.** 2015. Les catelles de trois poêles du XVIIIe siècle de la maison Grand-Rue 59 à Fribourg. Bull. Soc. Frib. Sc. Nat. 104: 74-113.
26. Le Grand L, Vuille N, Tosetti N, Claude F, **Kozłowski G.** 2015. Recensement des gastéropodes terrestres dans la région fribourgeoise. Bull. Soc. Frib. Sc. Nat. 103: 30-39.
25. Trittschack R, Maggetti M, d'Albis A, **Kozłowski G.** 2015. Analyse d'une assiette peinte par Jean-Jacque Pierre le Jeune à Sèvres en 1781. Revue des Amis Suisse de la Céramique. April 2015: 50-62.
24. Gerber E, **Kozłowski G**, Bétrisey S. 2015. Zeugen der Vergangenheit – Reliktbäume des hyrcanischen Waldes im Talysh-Gebirge von Aserbaidschan. Info Flora. 2015: 10-13.
23. Gerber E, **Kozłowski G.** 2014. *Relict trees of the Hyrcanian Forest in the Talysh Mountains of Azerbaijan*. Natural History Museum Fribourg, Switzerland. pp. 38.
22. Gerber E, **Kozłowski G**, Kozłowski E. 2014. Relict trees of Azerbaijan – a unique natural heritage. Visions of Azerbaijan. July/October: 38-43.
21. **Kozłowski G**, Bétrisey S. 2014. Wasserpflanzen und Urbanisierung – Eine Fallstudie über die Lebensraumverlust und die Verarmung der Wasserpflanzenvielfalt in den Städten des 20. Jahrhunderts. Info Flora. 2014: 20-23.
20. Bétrisey S, **Kozłowski G.** 2013 *Arenaria bernensis*: vers la fin d'une longue controverse. Info Flora. 2013: 36-39.
19. Naciri Y, Christe Ch, **Kozłowski G.** 2012. Quand l'ADN livre des informations sur l'origine géographique d'arbres menacés. La Feuilles Verte 43 : 9-10.

18. **Kozłowski G**, Frey D. 2012. *Hieracium eriophorum* - Le pissenlit des sables. National Geographic - France, October 2012.
17. **Kozłowski G**, Bollinger S. 2012. Seltene Pflanzen des Kantons erhalten. Nymphaea. Bulletin des Vereins der Freunde des Botanischen Gartens Freiburg 3: 1-3.
16. **Kozłowski G**. 2009. Rave sauvage (*Brassica rapa* subsp. *campestris* (L.) Clapham en Suisse. Université de Neuchâtel.
15. Delarze R, Druart Ph, **Kozłowski G**, Moret J-L, Prunier P, Gmür Ph. 2004. *Arenaria gothica* et autres plantes rares des rives lacustres de la Vallée de Joux (Vaud, Suisse). Quelques observations récentes et premières données autécologiques. Bull. Soc. Vaud. Sc. Nat. 89: 1-11.
14. **Kozłowski G**. 2004. Bedrohte Vielfalt: Farne der Schweiz und ihre Gefährdung. Gemeinschaftsverlag SFV-GSS. Pteridomania 10: 105-120.
13. **Kozłowski G**. 2003. Städte als Hotspots - das Beispiel Fribourg. In: Biodiversität im Siedlungsraum. Biodiversität: Forschung und Praxis im Dialog. Hotspot 8: 6-7.
12. **Kozłowski G**. 2003. *Baldellia ranunculoides*: Rettungsaktion für eine bedrohte Pflanze. Universitas Friburgensis Sept. 2003: 38-39.
11. **Kozłowski G**. 2003. Die Erhaltung des Kammfarns (*Dryopteris cristata*) durch den Botanischen Garten der Universität Freiburg. WWF-Magasin 1: 10-11.
10. **Kozłowski G**. 2002. Der Botanische Garten kümmert sich um die Freiburger Flora. WWF-Magasin 2: 8-9.
9. **Kozłowski G**. 2001. Une plante rarissime dans le canton de Fribourg: le Nénuphar nain (*Nuphar pumila* (Timm.) DC.). Bull. Soc. Frib. Sc. Nat. 90: 60-71.
8. **Kozłowski G**. 2001. Bedeutung der Herbarien des Naturhistorischen Museums Freiburg (Schweiz) für die Erforschung und Erhaltung der Freiburger Flora. Bull. Soc. Frib. Sc. Nat. 90: 49-59.
7. **Kozłowski G**. 2000. Gefährdungsstatus einiger Begleiter der *Vulpia myuros*-Gesellschaften im Kanton Freiburg. Bull. Soc. Frib. Sc. Nat. 89: 107-136.
6. Purro Ch, **Kozłowski G**. 2000. Situation du sabot de Vénus (*Cypripedium calceolus* L.) dans le canton de Fribourg. Bull. Soc. Frib. Sc. Nat. 89: 90-106.
5. **Kozłowski G**. 2000. Der Kammfarn (*Dryopteris cristata* (L.) A. Gray) in den Mösern von Düdingen und Sâles (Kt. Freiburg). Das Prothallium 5: 1-5.
4. **Kozłowski G**. 1999. Das Rötliche Hirtentäschchen (*Capsella rubella* Reuter) im Kanton Freiburg: eine Art in Expansion? Bull. Soc. Frib. Sc. Nat. 88: 47-57.
3. **Kozłowski G**. 1999. Ein Arten- und Biotopschutzprojekt des Botanischen Gartens Freiburg: Bedrohte und seltene Pflanzenarten in den Mösern von Düdingen und Sâles (Kt. Freiburg). Schwerpunkt: Der Kammfarn [*Dryopteris cristata* (L.) GRAY] und die Pflege seiner Lebensräume. Bull. Soc. Frib. Sc. Nat. 88: 58-70.
2. **Kozłowski G**. 1998. Neufund von *Lysimachia thysiflora* L. in Bouleyres (FR). Ein Bericht über die Verbreitung und Gefährdung des Strauss-Gilbwiderichs im Kanton Freiburg. Bull. Soc. Frib. Sc. Nat. 87: 121-127.
1. **Kozłowski G**. 1998. Verbreitung und Gefährdung des Schweizer Alant im Kanton Freiburg. Bull. Soc. Frib. Sc. Nat. 87: 112-120.