

## Dr. Michał RONIQUIER – CURRICULUM VITAE

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Birth date and place: 1974, Kraków (Poland)

Languages: Polish (native); English (fluent; *Cambridge FCE*), French (fluent; *Diplôme Approfondi de Langue Française*), Russian (intermediate), Romanian (basic), Spanish (basic)

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## MAIN RESEARCH INTERESTS

My scientific interests are focused on structure and patterns of biodiversity (mainly of plants and fungi) and dynamics of their change in time and space. The main biological models of my research are found within the alpine and polar (Arctic and Antarctic) ecosystems. I am particularly interested in applying molecular tools to unravel patterns of genetic diversity and divergence in cold-adapted organisms with disjunctive distribution ranges, in order to reflect their historical biogeography and population genetic processes within- and among extant populations. I also aim at applying these results in the context of climate change to infer the influence of past changes and attempt modeling of future distribution dynamics of high-mountain organisms. Geographically, my research is particularly focused on the island-like alpine life zone of the Carpathians and other mountain ranges of Central Europe. I am also interested in other studies dealing with phylogeography, phylogeny and evolution, conservation genetics, as well as general surveys of biodiversity of high-mountain organisms (plants, fungi, myxomycetes).

My main current research topics include:

- 1) Fine-scale, comparative phylogeographical studies of high-mountain organisms in disjunct alpine habitats of Central Europe (Carpathians, Alps, Balkans, Sudetes), as well as at larger (e.g., circumpolar) scale.
- 2) Evolution and biogeographical dynamics of obligatorily linked arctic-alpine ecological communities (e.g., *Dryas octopetala* and related fungi and insects) in time and space.
- 4) Constraints determining the distribution of arctic-alpine fungi in temperate mountain habitats – analysis of ectomycorrhizal communities of alpine and relic populations of *Dryas octopetala*.
- 5) Comparative phylogeography of the Antarctic terrestrial biota.

**Key words:** alpine, Antarctic, Arctic, biogeography, climate change, co-evolution, macromycetes, nivicolous myxomycetes, (comparative) phylogeography, polar environment, vascular plants.

## SCIENTIFIC EDUCATION

**2014:** Habilitation for leading research in biological sciences (biogeography) with distinction of the Scientific Council

**1999–2005:** PhD studies in biological sciences (botany – biogeography) in the Institute of Botany, Polish Academy of Sciences, Kraków. PhD thesis *Genetic diversity and phylogeography of Pulsatilla vernalis (L.) Mill. (Ranunculaceae)* under supervision of Professor Zbigniew Mirek. June 2005 – PhD exam with distinction of the Scientific Council

**1993–1998:** University studies in biology at the Faculty of Biology and Earth Sciences, Jagiellonian University in Cracow. MSc thesis *Mycorrhizal symbiosis of Polygonum viviparum L. in the Tatra Mts.* carried out in the Laboratory of Mycology, Institute of Botany, under supervision of Professor Katarzyna Turnau. June 1998 – diploma exam and completion of higher studies with distinction

## PROFESSIONAL POSITIONS

**2014:** Professorship of the Polish Academy of Sciences

**2011-present:** Head of the Laboratory of Molecular Analyses at the Institute of Botany, Polish Academy of Sciences, and of the research group *Molecular Biogeography*

**2005–2014:** Assistant professor (adiunkt) in the Institute of Botany, Polish Academy of Sciences, Kraków

**2000–2005:** Research assistant in the Institute of Botany, Polish Academy of Sciences, Kraków

## AWARDS AND SCHOLARSHIPS

**2014:** Distinction by the Scientific Council of the Institute for habilitation.

**2005:** Distinction by the Scientific Council of the Institute for doctoral dissertation.

**2003 (extended for 2004):** Award of the Foundation for Polish Science for outstanding young researchers.

**2003:** One-month research scholarship funded by an EU project of scientific exchange and collaboration BIODIBERIA.

**2000–2001:** One year PhD scholarship funded by the Swiss Confederation (Eidgenössische Stipendienkommission für ausländische Studierende).

**1997:** Half-year scholarship funded by an EU TEMPUS project of student exchange.

## RESEARCH GRANTS

**2016–2021:** Evolution and past range dynamics of the terrestrial Antarctic biota: insights from next-generation phylogeography of endemic mosses. National Science Centre (NCN, Poland), OPUS grant no. 2015/17/B/NZ8/02475. Project leader (co-led with Prof. R. Ochyra, Dept. of Bryology, IB PAS).

**2012–2016:** The fate of ecological interactions in a changing climate: using next-generation sequencing technologies to unravel adaptive and historical processes in a community of interrelated arctic-alpine

organisms. Polish-Swiss Research Programme, project no PSPB-161/2010. Project leader (with Dr. N. Alvarez, Lausanne, co-leader in Switzerland).

**2010–2013:** The unknown side of the taxonomical diversity of *Potamogeton*. Polish Ministry of Science and Higher Education grant no N N303 564439 (coordinated by Dr. Joanna Zalewska-Gałosz, Jagiellonian University, Kraków). Researcher; genetic analyses.

**2009–2011:** Quaternary history of the montane forest flora of the Carpathians – a *Hieracium transylvanicum* model study. Polish Ministry of Science and Higher Education grant no N303 089 734 (coordinated by Dr. Zbigniew Szeląg, Kraków). Researcher; genetic analyses.

**2007–2011:** ECOCHANGE – Challenges in assessing and forecasting biodiversity and ecosystem changes in Europe. 6th FP EU-funded project no FP6-036866 (coordinated by Dr. Pierre Taberlet, Grenoble). Researcher; coordination of the field sampling and DNA fingerprinting analyses carried out in Poland, assessment of dispersal abilities of key arctic-alpine plant species using molecular data. Task leader for T3.2.2. DNA Analysis.

**2007–2010:** Comparative phylogeography of selected high-mountain species in the Carpathians: retracing historical relationships and identifying centers of genetic diversity. Polish Ministry of Science and Higher Education grant no N303 013 32/0656. Project leader.

**2007–2009:** Spatial analysis of genetic variation in selected *Potamogeton* taxa: influence of hybridization and introgression. Polish Ministry of Science and Higher Education grant no N303 098 32/3404 (coordinated by Dr. Joanna Zalewska-Gałosz, Kraków). Researcher; genetic analyses.

**2006–2009:** Arctic-alpine element in the Carpathian mycobiota in an European biogeographical context. Polish Ministry of Science and Higher Education grant no 2 P04C 086 30 (coordinated by dr. Anna Ronikier, Kraków). Researcher; field works.

**2005–2008:** Phylogeography and origin of the flora of tall-herb communities in the Carpathians. Polish Ministry of Science and Higher Education grant no 2P04G 095 28 (coordinated by dr. Alina Stachurska-Swakoń, Kraków). Researcher; field works, genetic analyses.

**2004–2006:** INTRABIODIV – Tracking surrogates for intraspecific biodiversity: towards efficient selection strategies for the conservation of natural genetic resources using comparative mapping and modeling approaches. 6th FP EU-funded project no GOCE-CT-2003-505376 (coordinated by dr. Pierre Taberlet, Grenoble). Researcher; coordination of the field sampling and DNA analyses in the Carpathians.

**2003–2006:** Phylogeny and patterns of geographical differentiation of selected species of *Cochlearia* L. in Central and Eastern Europe as a basis of conservation of their genetic variability. Polish Ministry of Science and Higher Education grant no 3 P04G 007 24 (coordinated by dr. Elżbieta Cieślak, Kraków). Researcher, field works, genetic analyses.

**2003–2005:** Genetic diversity and geographical range evolution in *Pulsatilla vernalis* (L.) Mill. (Ranunculaceae). Polish Ministry of Science and Higher Education grant no 3 P04C 073 24. PhD project.

**2001–2003:** Red book of the threatened, rare, relic and endemic species of the Polish Carpathians – vascular plants. Polish Ministry of Science and Higher Education grant no 6 P04G 09 317 (coordinated by prof. Halina Piękoś-Mirkowa, Kraków). Researcher; analysis of population resources and threat status of several high-mountain species.

## TEACHING ACTIVITY

**2006, 2009:** AGH University of Science and Technology in Kraków, Medical Physics studies. Facultative, periodic course: Foundations of molecular analyses: DNA variation analyses (8 h of lectures and 30 h of laboratory practicals). Co-organised with Dr. Elżbieta Cieślak, Kraków.

**2005–present:** Supervision of several visitors, apprentices and students in the Laboratory of Molecular Analyses of the Institute of Botany, Polish Academy of Sciences.

**2003–present:** International Doctoral Studies in Natural Sciences at the Polish Academy of Sciences in Cracow. Periodic series of lectures: Application of DNA analyses in botanical research – overview of methods and applications (8 h of lectures per cycle).

**1999:** Jagiellonian University, Faculty of Biology and Earth Sciences, Institute of Botany. Obligatory course: Systematic botany of lower plants (60 h of practicals).

**1999:** Jagiellonian University, Faculty of Biology and Earth Sciences, Institute of Botany. Facultative course: Biomonitoring (30 h of practicals).

## (CO-)SUPERVISION OF MASTER AND DOCTORAL STUDENTS

Marta Saługa (Institute of Botany, Polish Academy of Sciences, Kraków, Poland), 2015 – ongoing PhD (supervision)

Magdalena Jopek (Institute of Botany, Faculty of Biology and Earth Sciences, Jagiellonian University, Kraków, Poland), 2013–2020, PhD (co-supervision with Dr. J. Zalewska-Gałosz)

Tomasz Suchan (Department of Ecology and Evolution, Faculty of Biology and Medicine, University of Lausanne, Switzerland), 2012–2015 (co-supervision with Dr. N. Alvarez)

## PARTICIPATION IN EVALUATION COMMITTEES ETC.

Member of habilitation committees for: K. Marcysiak (2014), A. Grabowska-Joachimciak (2015), E. Ratajczak (2016), A. Nobis (2018; referee).

Member of doctoral committees: P. Mizia – Jagiellonian University (2016; reviewer), D. Pan – University of Vienna (2019; reviewer).

## REVIEWS, EVALUATIONS

Journal reviews

*Acta Biologica Cracoviensia ser. Botanica; Acta Societatis Botanicorum Poloniae; Alpine Botany; Biodiversity and Conservation; Biodiversity Research and Conservation; Biologia; Biological Journal of the Linnean Society; Botanica Helvetica; Botanical Journal of the Linnean Society; Botany; Diversity; Diversity & Distributions; Folia Geobotanica; Fragmenta Floristica et Geobotanica Polonica; Hacquetia; Journal of Biogeography; Molecular Biology Reports; Molecular Ecology; Molecular Phylogenetics and Evolution; Plant Ecology; Plant Ecology & Diversity; PLOS One; Polar Biology; Polish Botanical Journal; Polish Journal of Ecology; Plant Systematics and Evolution; Taxon*

Project reviews for research agencies, etc.

*National Science Centre in Poland (project evaluation panel – 2014, 2015, 2018); RANNIS – The Icelandic Centre for Research; Rufford Foundation (Great Britain); Hungarian National Research, Development and Innovation Office (NKFIH); Austrian Science Fund (FWF)*

## SCIENTIFIC STAYS

**2006-present:** several short-term scientific visits in collaborating laboratories abroad (in particular Department of Ecology and Evolution, University of Lausanne, Switzerland; WSL Federal Research Institute, Birmensdorf, Switzerland).

**2005:** short scientific visit in the Laboratoire d'Ecologie Alpine (LECA), Université Joseph-Fourier, Grenoble (France), hosted by Dr. Pierre Taberlet. Set up of genetic analyses planned within the EU project INTRABIODIV.

**2004:** two weeks scientific visit (partly funded by the EU BIODIBERIA project) in the Real Jardín Botánico CSIC, Madrid (Spain), hosted by Professor Gonzalo Nieto Feliner. Genetic analyses in the PhD project framework.

**2003:** one month EU BIODIBERIA scholarship in the Real Jardín Botánico CSIC, Madrid (Spain), hosted by Professor Gonzalo Nieto Feliner. Genetic analyses in the PhD project framework.

**2002:** one month research visit in the Institut für Systematische Botanik, Universität Zürich (Switzerland), hosted by Dr. Ivana Stehlik and Dr. Rolf Holderegger. PCR-RFLP analyses of cpDNA in the PhD project framework.

**2000–2001:** one year Swiss Federal scholarship in the Laboratoire de botanique évolutive, Institut de botanique, Université de Neuchâtel (Switzerland), under supervision of Professor Philippe Küpfer. PhD project : Genetic diversity and phylogeography of *Pulsatilla vernalis* (L.) Mill.

**1997:** half-year TEMPUS scholarship in the Laboratoire de Mycologie Végétale, Institut de Physiologie Végétale, Université Paul-Sabatier – Toulouse III (France), under supervision of Professor Guillaume Bécard. Student research project: Immunodetection of Hydroxyprolin-rich glycoproteins in endomycorrhizal roots of *Daucus carota* from *in vitro* cultures. University course (Maîtrise level) on molecular interactions plants – microorganisms.

## MAIN EXTERNAL SCIENTIFIC COLLABORATIONS

Dr. Nadir Alvarez (Natural History Museum, Geneva, Switzerland – alpine phylogeography, biogeography of co-evolution); Dr. Rolf Holderegger (WSL Birmensdorf, Switzerland – alpine phylogeography); Dr Bogdan Hurdu (Institute of Biological Research, Cluj-Napoca, Romania – Carpathian biodiversity); Dr. Patrik Mráz (Institute of Botany, Charles University, Prague – alpine phylogeography and biodiversity); Dr. Mihai Pușcaș (Botanical Garden, Babeș-Bolyai University, Cluj-Napoca, Romania – alpine phylogeography and biodiversity); Dr. Gerald M. Schneeweiss (Faculty Center Botany, University of Vienna, Austria – alpine phylogeography); Dr. Peter Schönswetter (Institute of Botany, University of Innsbruck – alpine phylogeography); Dr. Joanna Zalewska-Gałosz (Institute of Botany, Jagiellonian University – taxonomy and evolution of pondweeds).

## **PARTICIPATION IN CONFERENCES, INVITED TALKS ETC. (as main presenter only)**

- 2018:** 'Relict Woody Plants: linking the past, present and future', Kórnik, Poland (invited talk)
- 2017:** Second Interdisciplinary Symposium "Biogeography of the Carpathians: Ecological and Evolutionary Facets of Biodiversity", Cluj-Napoca, Romania (talk)
- 2015:** 8th International Conference on Mycorrhiza, Flagstaff, Arizona, USA (poster).
- 2014:** Scientific seminars of the Department of Botany, Faculty of Science, Charles University in Prague, "High-mountain flora of the Carpathians: a phylogeographical perspective" (invited talk).
- 2014:** We Move Science – Conference of the Polish-Swiss Research Programme, Warszawa, Poland (talk).
- 2013:** Biogeography of the Carpathians: Evolution of Biodiversity in a Spatiotemporal Context. The First Interdisciplinary Symposium, Kraków, Poland (talks, posters).
- 2012:** 9th International Symposium on Arctic-Alpine Mycology, Kevo, Finland (talk).
- 2012:** International Symposium on "Evolution of Balkan Biodiversity", Zagreb, Croatia (talk).
- 2012:** A European Perspective on the Future of Biodiversity and Ecosystems. Final Conference of the Ecochange Project, Zürich, Switzerland (poster).
- 2010:** 55 Congress of the Polish Botanical Society, Warsaw, Poland (talk).
- 2010:** 3<sup>rd</sup> Conference "Przyroda Tatrzańskiego Parku narodowego a Człowiek": Nauka a zarządzanie obszarem Tatr i ich otoczeniem, Zakopane, Poland (talk).
- 2009:** 5<sup>th</sup> Balkan Botanical Congress, Belgrade, Serbia (poster).
- 2008:** Xth Symposium of the International Organization of Plant Biosystematics, Vysoké Tatry, Slovakia (talk, poster).
- 2008:** 8<sup>th</sup> International Symposium on Arctic-Alpine Mycology, Beartooth Plateau, Montana/Wyoming, USA (talk).
- 2007:** 54 Congress of the Polish Botanical Society, Szczecin, Poland (talk).
- 2007:** Botanical Society of Scotland Symposium: History, Evolution & Future of Arctic & Alpine Flora, St Andrews, UK (poster).
- 2006:** Biodiversity Conservation – From Genes To Habitats. Davos, Switzerland (talk, poster).
- 2005:** XVII International Botanical Congress, Vienna, Austria (poster).
- 2005:** 3<sup>rd</sup> Conference "Przyroda Tatrzańskiego Parku narodowego a Człowiek": Tatrzański Park Narodowy na tle innych górskich terenów chronionych, Zakopane, Poland (poster).
- 2004:** 53 Congress of the Polish Botanical Society, Toruń–Bydgoszcz, Poland (poster).
- 2004:** 4<sup>th</sup> Mycological Symposium: Grzyby w środowisku naturalnym, metody badań terenowych, Sandomierz, Poland (poster).

**2002:** International workshop: Application of Molecular Markers in Studies on Plants, Warsaw, Poland (poster).

**2001:** First Joint Botanical Mountain Phylogeography Meeting, Zürich, Switzerland (poster).

**2001:** Seventh Meeting of PhD Students in Evolutionary Biology, Bernried, Germany (talk).

**1998:** 51 Congress of the Polish Botanical Society, Gdańsk, Poland (talk, poster).

**1998:** Second International Conference on Mycorrhiza (ICOM II), Uppsala, Sweden (poster).

**1997:** Second International Congress on Alpine Ecology and Biogeography, La Thuile, Val d'Aosta, Italy (poster).

### MAIN SCIENTIFIC FIELD EXPERIENCE

Europe: Western, Eastern and Southern Carpathians (Poland, Romania, Slovakia, Ukraine); Sudetes (Czech Republic, Poland); Western and Eastern Alps (Austria, France, Italy, Switzerland); Pyrenees (France, Spain); Cordillera Cantabrica (Spain); Cordillera Central – Sierra de Gredos, Sierra de Guadarrama (Spain), Massif Central (France) Scandinavian Chain – Jotunheimen, Dovre, Trollheimen, Sarek, Padjelanta, Utsjoki region, Varanger (Finland, Norway, Sweden), Iceland, Faroe Islands, Svalbard – Western Spitsbergen (Norway); Balkan mountain ranges – Durmitor, Gorski Kotar, Komovi, Korab, Pindhos, Pirin, Rila, Rhodopes, Stara Planina, Suva Planina, Shar-Planina, Velebit (Bulgaria, Croatia, Greece, Macedonia, Montenegro, Serbia).

North America: Rocky Mountains – Beartooth-Absaroka, Glacier, Grand Teton, Yellowstone (USA).

South America: southern Patagonia (Chile).

Antarctica: Antarctic Peninsula, King George Island (South Shetland Islands)

### EDITORIAL ACTIVITIES

**2017–2018:** Guest Editor of *Acta Societatis Botanicorum Poloniae* (special issue “Polar terrestrial ecosystems: ecology, diversity, and biogeography”)

<https://pbsociety.org.pl/journals/index.php/asbp/issue/view/673>

**2014–present:** Associate Editor of *Plant Systematics and Evolution*

(<http://link.springer.com/journal/606>)

**2013–2016:** Guest Editor of *Biological Journal of the Linnean Society* (special issue “Biogeography of the Carpathians”)

<https://academic.oup.com/biolinnean/issue/119/3>

**2013:** Handling Editor of the special issue: Ronikier A., Ronikier M. 2013. (eds.) 2013. The First Interdisciplinary Symposium: Biogeography of the Carpathians. Evolution of Biodiversity in a Spatiotemporal Context. Abstracts. *Acta Biologica Cracoviensia ser. Botanica*, suppl. 55(1), pp. 78.

[https://abcbot.pl/sup\\_55\\_s1-issue.php](https://abcbot.pl/sup_55_s1-issue.php)

**2012–present:** Subject Editor for ‘Molecular phylogenetics and phylogeography’ in *Acta Biologica Cracoviensia ser. Botanica*

<https://abcbot.pl/>



**2011–2017:** Associate Editor of *Folia Geobotanica*  
<http://www.springer.com/life+sciences/plant+sciences/journal/12224>)

**2005–2017:** Member of Editorial Board of *Wiadomości Botaniczne (Botanical News)*, a quarterly journal of the Polish Botanical Society.

**2004–2017:** Co-editor of a book series “Biodiversity of the Tatra National Park”  
<https://botany.pl/ibwyd/biodiv/bio-tpn.htm>

## **OTHER RELEVANT ACTIVITIES**

**2020–2024:** Member of the Committee of Environmental and Evolutionary Biology of the Polish Academy of Sciences

**2020–2021:** Member of the Scientific Committee of 8<sup>th</sup> Polish Evolutionary Conference (postponed to 2021)

**2017:** Member of the Scientific and Organizing Committee of Second Interdisciplinary Symposium Biogeography of the Carpathians (Cluj Napoca, Romania)

**2016–2020:** Member of the Committee on Organismal Biology of the Polish Academy of Sciences

**2015–2018:** Member of Scientific Council of the Institute of Dendrology, Polish Academy of Science

**From 2015:** Member of Scientific Council of the W. Szafer Institute of Botany, Polish Academy of Sciences

**2013:** Head of the Scientific and Organizing Committee of First Interdisciplinary Symposium Biogeography of the Carpathians: Evolution of Biodiversity in a Spatiotemporal Context, 26–28 September 2013, Kraków, Poland (<http://bio.botany.pl/carpathians-biogeography/>).

**2006–present:** Member of International Biogeography Society.

**2000–present:** Co-organiser and co-responsible of the Laboratory of Molecular Analyses at the Institute of Botany, Polish Academy of Sciences.

## **HOBBY**

Mountaineering, climbing, skiing, ski-touring (licensed mountain guide – Studenckie Koło Przewodników Górskich w Krakowie; Klub Wysokogórski – Kraków). Studies of foreign languages, linguistics, translation. Photography.

## PUBLICATIONS

### A. JCR-indexed, peer-reviewed papers

Breman E., Hurdu B.-I., Kliment J., Kobiv Y., Kučera J., Mráz P., Puşcaş M., Renaud J., Ronikier M., Šibík J., Schmotzer A., Štubňová E., Szatmari P.-M., Tassenkevich L., Turis P., Slovák M. 2020. Conserving the endemic flora of the Carpathian Region: an international project to increase and share knowledge of the distribution, evolution and taxonomy of Carpathian endemics and to conserve endangered species. *Plant Systematics and Evolution* **306**: 59.

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* **12**: 346.

Janik P., Ronikier M., Ronikier A. 2020. New protocol for successful isolation and amplification of DNA from exiguous fractions of specimens: a tool to overcome the basic obstacle in molecular analyses of myxomycetes. *PeerJ* **8**: e8406.

Pittet L., Fragnière Y., Grünig S., Bétrisey S., Clément B., Gerber E., Ronikier M., Kozłowski G., Parisod C. 2020. Genetic structure of the endemic *Papaver occidentale* indicates survival and immigration in the Western Prealps. *Alpine Botany* in press.

Stachurska-Swakoń A., Cieślak E., Ronikier M., Nowak J., Kaczmarczyk A., 2020. Genetic structure of *Doronicum austriacum* (Asteraceae) in the Carpathians and adjacent areas: toward a comparative phylogeographical analysis of tall-herb species. *Plant Systematics and Evolution* **306**: 14.

Malicki M., Pusz W., Ronikier M., Suchan T. 2019. Population characteristics, habitat, and conservation status of *Rhododendron ferrugineum* L. (Ericaceae), a glacial relict new to Poland. *Acta Societatis Botanicorum Poloniae* **88**: 3634.

Pusz W., Malicki M., Patejuk K., Ronikier M., Suchan T. 2019. First record of *Exobasidium rhododendri* (Fuckel) C. E. Cramer in Poland. *Acta Societatis Botanicorum Poloniae* **88**: 3632.

Suchan T., Malicki M., Ronikier M. 2019. Relict populations and Central European glacial refugia: the case of *Rhododendron ferrugineum* (Ericaceae). *Journal of Biogeography* **46**: 392–404.

Suchan T, Talavera G, Sáez L, Ronikier M, Vila R, 2019. Pollen metabarcoding as a tool for tracking long-distance insect migrations. *Molecular Ecology Resources* **19**: 149–162.

Tkach N., Röser M., Suchan T., Cieślak E., Schönswetter P., Ronikier M. 2019. Contrasting evolutionary origins of two mountain endemics: *Saxifraga wahlenbergii* (Western Carpathians) and *S. styriaca* (Eastern Alps). *BMC Evolutionary Biology* **19**: 18.

Ronikier M., Saługa M., Jiménez J.A., Ochyra R., Stryjak-Bogacka M. 2018. Multilocus DNA analysis supports *Didymodon gelidus* (Musci, Pottiaceae) as a distinct endemic of the austral polar region. *Acta Societatis Botanicorum Poloniae* **87**: 3609.

Saługa M, Ochyra R, Żarnowiec J, Ronikier M, 2018. Do Antarctic populations represent local or widespread phylogenetic and ecological lineages? Complicated fate of bipolar moss concepts with *Drepanocladus longifolius* as a case study. *Organisms Diversity & Evolution* **18**: 263–278.

Urbaniak J., Kwiatkowski P., Ronikier M., 2018. Postglacial history and current population genetic diversity of a central-European forest plant *Hacquetia epipactis*. *Preslia* **90**: 39–57.

- Wierzgoń M., Suchan T., Ronikier M., 2018. Two additions to the moss flora of the South Shetland Islands in the maritime Antarctic. *Acta Societatis Botanicorum Poloniae* **87**: 3598.
- Wojtuń B., Ronikier M. 2018. Polar terrestrial ecosystems: ecology, diversity, and biogeography. *Acta Societatis Botanicorum Poloniae* **87**: 3610.
- Migdałek G., Nowak J., Saługa M., Cieślak E., Szczepaniak M., Ronikier M., Marcussen T., Słomka A., Kuta E. 2017. No evidence of contemporary interploidy gene flow between the closely related European woodland violets *Viola reichenbachiana* and *V. riviniana* (sect. *Viola*, *Violaceae*). *Plant Biology* **19**: 542–551.
- Mráz P., Ronikier M. 2016. Biogeography of the Carpathians: evolutionary and spatial facets of biodiversity. *Biological Journal of the Linnean Society* **119**: 528–559.
- Mráz P., Barabas D., Lengyelová L., Turis P., Schmotzer A., Janišová M., Ronikier M. 2016. Vascular plant endemism in the Western Carpathians: spatial patterns, environmental correlates and taxon traits. *Biological Journal of the Linnean Society* **119**: 630–648.
- Suchan T., Pitteloud C., Gerasimova N.S., Kostikova A., Schmid S., Arrigo N., Pajkovic M., Ronikier M., Alvarez N. 2016. Hybridization capture using RAD probes (hyRAD), a new tool for performing genomic analyses on museum collection specimens. *PLoS ONE*: 11(3):E0151651.
- Suchan T., Pitteloud C., Gerasimova N.S., Kostikova A., Schmid S., Arrigo N., Pajkovic M., Ronikier M., Alvarez N. 2016. Hybridization capture using RAD probes (hyRAD), a new tool for performing genomic analyses on museum collection specimens. *PLoS ONE*: **11**(3):E0151651.
- Cieślak E., Cieślak J., Szeląg Z., Ronikier M. 2015. Genetic structure of *Galium cracoviense* (*Rubiaceae*): a naturally rare species with an extremely small distribution range. *Conservation Genetics* **16**: 929–938.
- Slazak B., Sliwiska E., Saługa M., Ronikier M., Bujak J., Słomka A., Göransson U., Kuta E. 2015. Micropropagation of *Viola uliginosa* (*Violaceae*) for endangered species conservation and for somaclonal variation-enhanced cyclotide biosynthesis. *Plant Cell, Tissue and Organ Culture* **120**: 179–190.
- Ronikier M., Zalewska-Gałosz J. 2014. Independent evolutionary history between the Balkan ranges and more northerly mountains in *Campanula alpina* s.l. (*Campanulaceae*): genetic divergence and morphological segregation of taxa. *Taxon* **63**: 116–131.
- Stachurska-Swakoń A., Cieślak E., Ronikier M. 2013. Phylogeography of a subalpine tall-herb *Ranunculus platanifolius* (*Ranunculaceae*) reveals two main genetic lineages in the European mountains. *Botanical Journal of the Linnean Society* **171**: 413–428.
- Ronikier M., Schneeweiss G.M., Schönswetter P. 2012. The extreme disjunction between Beringia and Europe in *Ranunculus glacialis* s. l. (*Ranunculaceae*) does not coincide with the deepest genetic split – a story of the importance of temperate mountain ranges in arctic-alpine phylogeography. *Molecular Ecology* **21**: 5561–5578.
- Zalewska-Gałosz J., Ronikier M. 2012. Molecular evidence for two rare *Potamogeton natans* hybrids with reassessment of *Potamogeton* hybrid diversity in Poland. *Aquatic Botany* **103**: 15–22.
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