

Biodiversity: Research and Conservation reaches volume 50!

Looking back and forward

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Abstract: For 12 years, *Biodiversity: Research and Conservation* has been publishing scientific articles in the area of taxonomy, chorology, ecology and nature protection. In accordance with the journal's profile adopted from the very beginning, the subject of publications are plants in the wide, traditional perspective of this group of organisms, as well as fungi and lichens. Over 12 years, 345 scientific articles were published in the journal's pages. The frequency in individual sections is as follows: Variability, taxonomy and phylogeny – 95, Chorology – 92, Ecology – 79, Nature protection – 51, other topics – 28. The authors of these articles are 468 scientists from 28 countries. To ensure a high level of publications, the submitted works are sent for review. To date, 171 scientists specializing in biological diversity research participated in the review process.

Biodiversity: Research and Conservation, published at the Adam Mickiewicz University in Poznań (Poland), is open for the authors from the whole world and attracts a growing interest among researchers and readers. The data presented in this article show that this journal is read in a growing number of countries. It reaches readers mostly through its online version, but it is still published also in the traditional paper form, with the possibility of including colour photographs and figures.

Key words: biodiversity assessment, plants, fungi, lichens, vegetation, scientific articles, review

1. Introduction

Twelve years have passed since the publishing of the first volume of the quarterly *Biodiversity: Research and Conservation (BRC)*. This is a good moment to sum up the previous activity of the journal and indicate the perspectives of its future development. As we emphasized in the synopsis published in 2011, the idea of founding this journal emerged during a national scientific conference organized in September 2005 in Poznań, entitled: "Taxonomy, chorology and ecology of plants in the days of threat to biological diversity" (Jackowiak 2011). The first two volumes of *BRC*, which is consistently published since 2006, were primarily an outcome of the mentioned conference and attracted a high interest. This strengthens our conviction that such journal is in great demand.

Since the very beginning, we have been committed to the mission to publish original and review papers on biological diversity, with emphasis on plants, fungi and lichens. The journal is open for publications devoted to

different aspects of biodiversity at the genetic, population, species and supra-species levels.

We pay special attention to works on historical and modern transformations of flora and vegetation resulting from human activity, as well as publications showing modern and successful methods of nature protection. Following the assumption that an effective and responsible protection of biological diversity requires fundamental biological knowledge, articles published in *BRC* are presented in four sections: (i) Variability, taxonomy and phylogeny, (ii) Chorology, (iii) Ecology, and (iv) Nature conservation.

2. Organizational information

The seat of the Editors of *BRC* is in the Department of Plant Taxonomy at the Faculty of Biology of Adam Mickiewicz University in Poznań, while the publishing process is managed by the Publishing House "Kontekst", located in Poznań. The journal comes out both in the printed and electronic form. The latter

is accessible both at the journal's own website (www.brc.amu.edu.pl) and *Sciendo* platform (<https://content.sciendo.com/view/journals/biorc/biorc-overview.xml>). From 2009, *BRC* has been cooperating with *Sciendo* company (formerly *Versita, De Gruyter*), which manages its website and provides indexing in many scientific databases. Currently, the journal is covered by the following services: AGRICOLA (National Agricultural Library), AGRO, Arianta, Baidu Scholar, CABI, CNKI

Scholar (China National Knowledge Infrastructure), CNPIEC, Dimensions, DOAJ (Directory of Open Access Journals), EBSCO (relevant databases), EBSCO Discovery Service, Genamics JournalSeek, Google Scholar, Japan Science and Technology Agency (JST), J-Gate, JournalGuide, JournalTOCs, KESLI-NDSL (Korean National Discovery for Science Leaders), Microsoft Academic, Naviga (Softweco), POL-index, Primo Central (ExLibris), ProQuest (relevant databases), Publons,

Table 1. Names of reviewers, who contributed to the peer-review process of articles published in *BRC* in the years 2006-2018

Name	Name	Name	Name
Wojciech Adamowski	Ryszard Gołdyn	Jana Májeková	Krzysztof Spalik
Eva Andrik	Piotr Górski	Bruce Maslin	Adam Stebel
Jadwiga Anioł-Kwiatkowska	Krystyna Grodzińska	Beata Messyasz	Michael Steiner
Monika Badura	Vít Grulich	Dorota Michalska-Hejduk	Barbara Sudnik-Wójcikowska
Christian Berg	Wanda Gugnacka-Fiedor	Zbigniew Mirek	Herbert Sukopp
Leszek Bernacki	Eric Hágsater	Marta Mizianty	Kateřina Šumberová
Silvia Xavier Bettencourt	Jacek Herbich	Lenka Moravcová	Kazimierz Szczepanek
Irina V. Blinova	Maria Herbichowa	Sergei L. Mosyakin	Magdalena Szczepaniak
Joanna Bloch-Orłowska	Janusz Hereźniak	Rafał Mól	Piotr Szkudlarz
Krystyna Boratyńska	Frantisek Hindak	Klaus Mummenhoff	Dariusz L. Szlachetko
Adam Boratyński	Dasa Hlubikova	Rayna Natcheva	Józef Szmeja
Janina Borysiak	Jan Holeksa	Andrzej Nienartowicz	Zofia Szweykowska-Kulińska
Andrzej Brzeg	Czesław Hołdyński	Arkadiusz Nowak	Magdalena Szymura
Emilia Brzosko	Andrzej Hutorowicz	Ryszard Ochyra	Umeshkumar Tiwari
Katarzyna Buczkowska	Bogdan Jackowiak	Ireneusz Odrzykoski	Barbara Tokarska-Guzik
Lubomira Burchardt	Andrzej Joachimiak	Krzysztof Oklejewicz	Lech Urbaniak
Jarosław Burezyk	Marines M. G. Karasawa	Romuald Olaczek	Andrzej Urbisz
William Cetzal-Ix	Adam Kaznowski	Maria Olech	Witold Wachowiak
Guy Chiron	Zygmunt Kącki	Edward G. H. Oliver	Elżbieta Weryszko-Chmielewska
Julian Chmiel	Henryk Klama	J. Gerard B. Oostermeijer	Stanisław Wika
Damian Chmura	Małgorzata Klimko	Zbigniew Osadowski	Justyna Wiland-Szymańska
Stanisław Cieśliński	Jana Knappová	Mariusz Pełechaty	Elżbieta Wilk-Woźniak
Katia Comte	Mikołaj Kokociński	Irena Perglová	Rüdiger Wittig
Phillip Cribb	Judita Koreiviene	Halina Piękoś-Mirkowa	Maria Wojterska
Nils Cronberg	Tadeusz Korniak	Vítězslav Plášek	Lesław Wołejko
Beata Cykowska	Helena Korpelainen	Agnieszka Popiela	Dan Wołkowycki
Bożenna Czarnecka	Ingo Kowarik	Viera V. Protopopova	Konrad Wołowski
Joanna Czerwik-Marcinkowska	Jan Kozłowski	Wiesław Prus-Głowacki	Dorota Wrońska-Pilarek
Jacek Dabert	Marek Kucharczyk	Andrzej Pukacz	Ada Wróblewska
Zygmunt Dajdok	Leszek Kucharski	Halina Ratyńska	Andriy Yena
Władysław Danielewicz	Jana Kulichová	Heike Ringel	Adam Zając
Yakiv P. Didukh	Elena Kulikova	Michał Ronikier	Maria Zając
Maria Drapikowska	Paweł Kwiatkowski	Adam Rostański	Marica Zaliberová
Tomasz Durak	Małgorzata Latałowa	Krzysztof Rostański	Tomasz Załuski
Maxim Dzhus	Karol Latowski	Anna Rusińska	Kazimierz Zarzycki
Zbigniew Dzwonko	Elsa Lattar	Jan J. Rybczyński	Jiří Zázvorka
Jerzy Fabiszewski	Marlena Lembicz	Jakub Sawicki	Bogdan Zemanek
Wiesław Fałtynowicz	Maria Lisiewska	Sara E. Scanga	Elżbieta Zenkteler
Viera Feráková	Stefania Loster	Yuri Shavrukov	Stefan Zerbe
Ludwik Frey	Marcus Lubienski	Myroslav V. Shevera	Jerzy Zieliński
Ewa Fudali	Maria Ławryniewicz	Zofja Sinkevičienė	Marcin Zych
Maciej Gąbka	Łukasz Łuczaj	Paul Smith	Waldemar Żukowski
Rajib Gogoi	Janusz Łuszczzyński	Zofia Sotek	

Table 2. Thematic structure of articles published in *BRC* in the years 2006-2018

Period	2006-2011		2012-2018		Total	
Number of issues	24		26		50	
Number of articles/Percentage	188	100.0	157	100.0	345	100.0
Section						
Variability, Taxonomy and Phylogeny	59	31.4	36	22.9	95	27.5
Chorology	49	26.1	43	27.4	92	26.7
Ecology	42	22.3	37	23.6	79	22.9
Nature Conservation	32	17.0	19	12.1	51	14.8
Others	6	3.2	22	14.0	28	8.1

ReadCube, Sherpa/roMEO, Summon (Serials Solutions/ProQuest), TDNet, Ulrich's Periodicals Directory/ulrichsweb, WanFang Data, and WorldCat (OCLC).

In the printed form, the journal is distributed to 46 Polish libraries and 13 foreign institutions, all over the world. Authors receive a copy of the issue in which their article has been published. The journal comes out in the BX format, in colour (Appendix 1). Authors are charged with partial costs of colour illustrations.

The journal's Editorial Board, comprising 19 biologists from Austria, Germany, Poland, Republic of Belarus, Republic of South Africa, Slovakia, and Ukraine, is responsible for the quality of publications. The Editorial Board has been joined by a specialist in statistics. All submissions are subject to a peer-review process by an international board of reviewers. 171 reviewers participated in the evaluation of manuscripts (Table 1) over the respective period. A proportion of works not accepted for publication is 25%. An experienced team of translators is responsible for linguistic verification of manuscripts.

3. Publication statistics

3.1. Topics

In the fifty volumes of *BRC*, 345 scientific works were published (Appendix 2), mostly original works presenting the new results of research, as well as several review papers. It is worth paying attention to the fairly even distribution of articles in three main sections, i.e.: Variability, Taxonomy and Phylogeny, Chorology and Ecology, and a slightly smaller number of papers in the section of Nature Conservation (Table 2). The

majority of articles does not exceed 20 pages. However, it is worth emphasizing that 9 monographic works of considerable length were also published in *BRC*. On the basis of these works, their authors applied for post-doctoral degrees in Poland.

3.2. Authors

A list of contributing authors comprises 468 names, including 120 (25.6%) foreign authors. The authors represent 28 foreign countries, such as: Bulgaria (2 authors), Colombia (1), Czech Republic (11), Ethiopia (1), Finland (3), France (1), Germany (8), Guatemala (1), India (18), Israel (1), Italy (4), Latvia (2), Lithuania (2), Nepal (1), Netherlands (1), Nigeria (1), Pakistan (1), Peru (1), Portugal (1), Republic of Belarus (2), Republic of Korea (4), Republic of Slovakia (8), Russia (6), Saudi Arabia (2), Switzerland (1), Turkey (5), Ukraine (31), and USA (1).

In the analyzed period, 126 authors published at least two scientific papers in *BRC*, and three authors more than 10 scientific works (Table 3).

3.3. Visibility and impact

Although *BRC* has not yet been indexed in such prestigious science databases as *Web of Science* or *Scopus*, the research results published in this journal are found in world literature. This is illustrated by citation indicators developed on the base *Web of Science Core Collection (Cited Reference Search)*. In journals indexed in this database, 107 articles published in *BRC* have been cited 334 times (Table 4). The first citation was in 2007, so year after the founding of the journal (Fig. 1). In subsequent years, the number of citations systematically increased to reach its peak in 2015 (66 citations

Table 3. Number of papers published by one author in *BRC* in the years 2006-2018

Number of papers	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Number of authors	342	57	26	16	6	8	4	2	2	2	1	0	0	1	0	1

Table 4. List of papers published in *BRC*, which were most often cited in journals indexed in the *Web of Science Core Collection database* (own elaboration based on: 2018 Clarivate Analytics Web site)

Publication title; authors; bibliographic data	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Total	Average Citations per Year
Tentative list of endemic vascular plants of the Zeravshan Mts in Tajikistan: distribution, habitat preferences and conservation status of species. by: Nowak, A.; Nobis, M. Volume: 19 Pages: 65-68 Published: 2010	0	0	0	0	1	1	5	5	1	1	1	1	16	2.00
Red list of vascular flora in Wielkopolska (Poland). by: Jackowiak, B.; Celka, Z.; Chmiel, J.; Latowski, K.; Żukowski, W. Volume: 5-8 Pages: 95-127 Published: 2007	0	0	0	1	1	1	0	2	3	2	1	2	13	1.18
Taxonomy of the subtribe Maxillariinae (Orchidaceae, Vandoideae) revised. by: Szlachetko, D.L.; Sitko, M.; Tukałło, P.; Mytnik-Ejsmont, J. Volume: 25 Pages: 13-38 Published: 2012	0	0	0	0	0	0	1	1	3	4	4	0	13	2.17
Acidophilous oak forests of the Wielkopolska region (West Poland) against the background of Central Europe. by: Kasprowicz, M. Volume: 20 Pages: 1-138 Published: 2010	0	0	0	0	0	1	0	3	1	3	1	1	10	1.25
The role of rivers and streams in the migration of alien plants into the Polish Carpathians. by: Zając, A.; Tokarska-Guzik, B.; Zając, M. Volume: 23 Pages: 43-56 Published: 2011	0	0	0	0	0	0	1	0	3	2	3	1	10	1.43
Alien plants in field margins and fields of southwestern Poland. by: Dajdok, Z.; Wuczyński, A. Volume: 29 Pages: 57-62 Published: 2013	0	0	0	1	1	1	1	1	1	2	2	0	10	1.00
Morphological variation of hairs in <i>Malva alcea</i> L. (Malvaceae). Celka, Z.; Szkudlarz, P.; Biereżnoj, U. Volume: 3 Pages: 258-261 Published: 2006	0	0	3	3	0	0	1	0	2	0	0	0	9	0.75
Alien vascular plants in the Silesian Upland of Poland: distribution, patterns, impacts and threats. Tokarska-Guzik, B.; Węgrzynek, B.; Urbisz, A.; Urbisz, A.; Nowak, T.; Bzdęga, K. Volume: 19 Pages: 33-54 Published: 2010	0	0	0	0	0	0	0	0	4	2	1	2	9	1.13
A new locality of <i>Solidago x niedereideri</i> Khek (Asteraceae) in Poland. Pliszko, A. Volume: 29 Pages: 57-62 Published: 2013	0	0	0	0	0	0	0	1	1	4	1	1	8	1.60
In total: 107 papers	1	3	8	12	15	14	31	44	66	53	50	36	334	27.83

a year). So far, the average number of citations per year was 27.83. The largest group consists of publications cited 1-3 times (Fig. 2). Among the most frequently cited are 9 articles (Table 4), and the Hirsch index for *BRC* calculated on this basis is 8. The value of this indicator slowly but fairly steadily increases (Fig. 3).

The papers published in *BRC* and inserted in the *Web of Science Core Collection base* were cited in journals representing all quartiles (Fig. 4). Although the most numerous among them are journals from the fourth quartile, but not rarely also the first, second and third quartile.

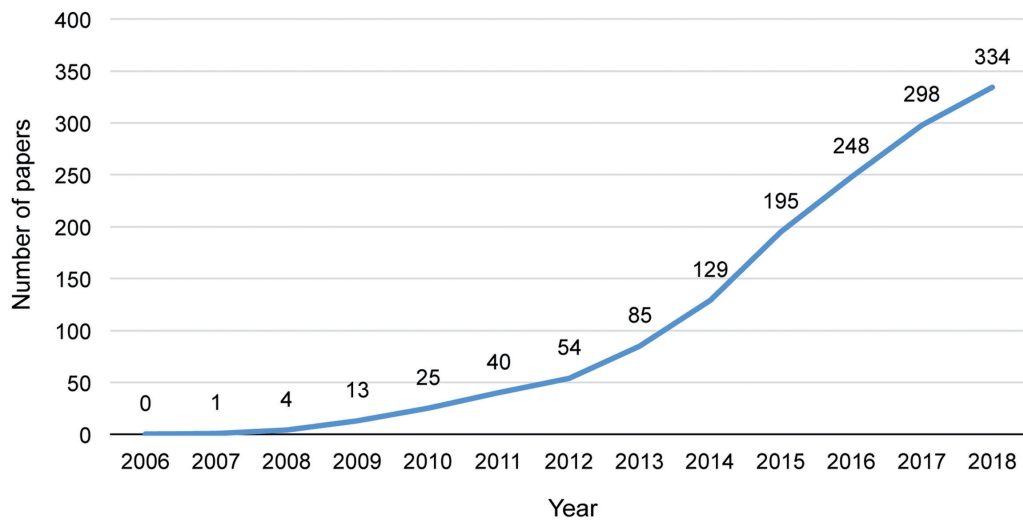


Fig. 1. An increase of the citation number in journals indexed in the *Web of Science* database of papers published in *BRC* in the years 2006-2018

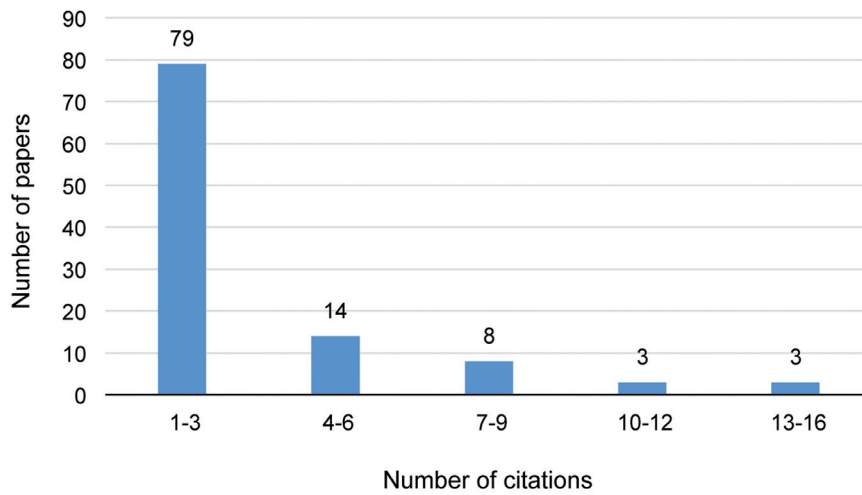


Fig. 2. Frequency of papers published in *BRC* in their citation classes in journals indexed in the *Web of Science Core Collection* database in the years 2006-2018

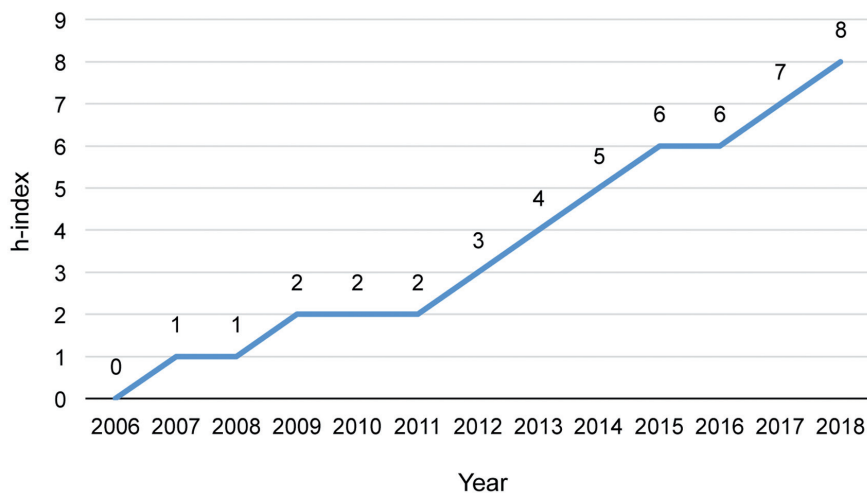


Fig. 3. The increase of the h-index of *BRC* in the years 2006-2018 calculated on the basis of data from the *Web of Science Core Collection* database

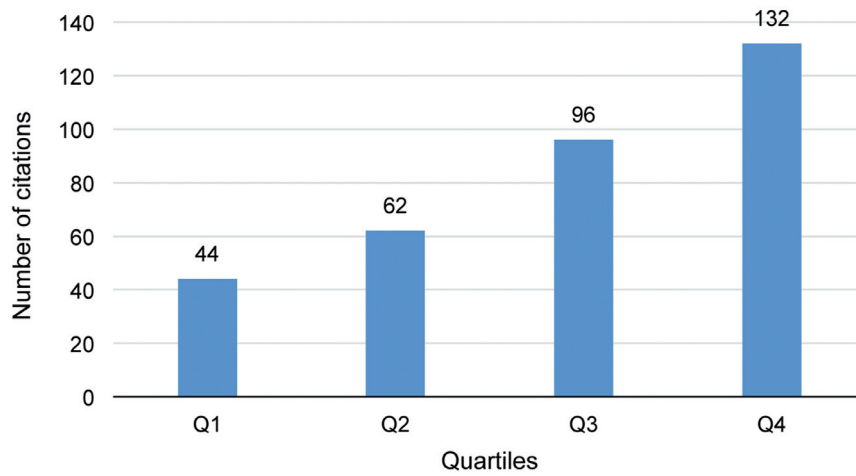


Fig. 4. The number of *BRC* citations in journals indexed in the *Web of Science* database, classified up to four quartiles in the years 2006-2018

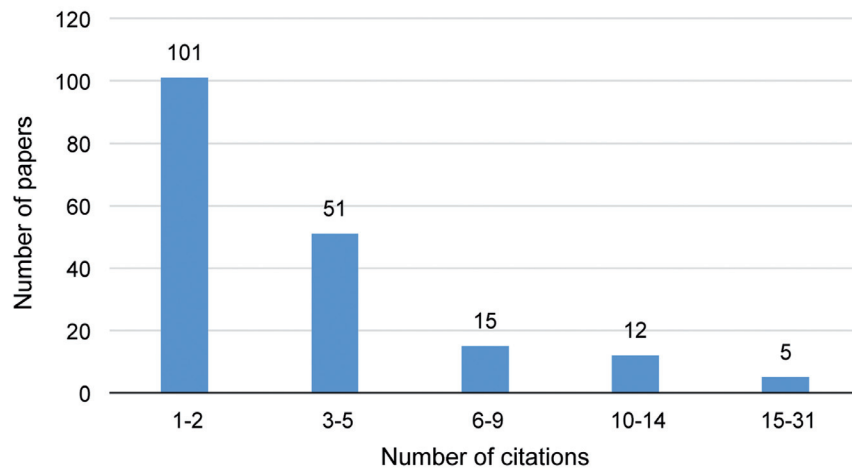


Fig. 5. Frequency of papers published in *BRC* in their citation classes in journals indexed in the *Scopus* database in the years 2006-2018

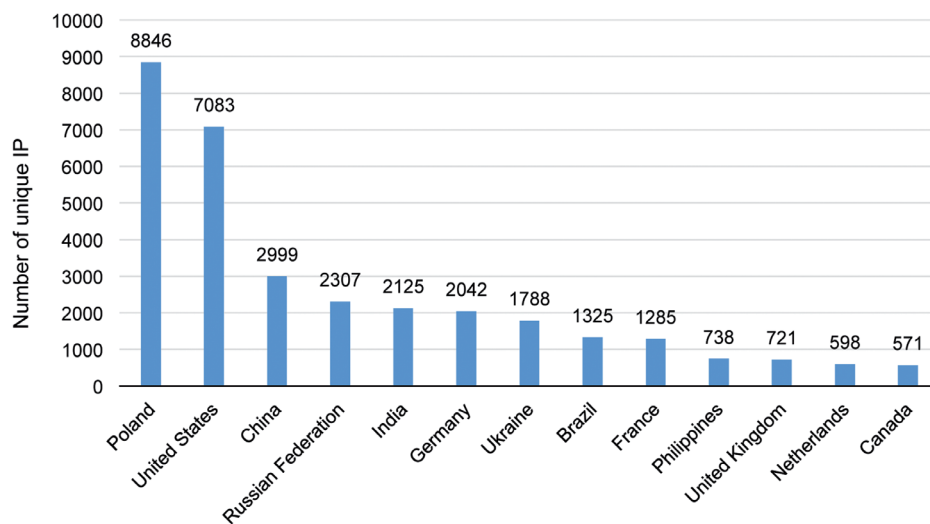


Fig. 6. Number of unique addresses (IPs) in countries, from which readers most often logged into the *BRC* homepage in the years 2006-2017

Table 5. List of papers published in *BRC*, which were most often cited in journals indexed in the *Scopus database* (own elaboration based on: 2018 Elsevier B.V Web Site)

Publication title; bibliographic data	Authors	Total number of citations	Average Citations per Year
Red list of vascular flora of Wielkopolska (Poland). Volume: 5-8 Pages: 95-127 Published: 2007	Jackowiak, B., Celka, Z., Chmiel, J., Latowski, K., Żukowski, W.	31	2.82
Extinct and endangered archaeophytes and the dynamics of their diversity in Poland. Volume: 13 Pages: 17-24 Published: 2009	Zajac, M., Zajac, A., Tokarska-Guzik, B.	17	1.89
Allergenic invasive plant <i>Ambrosia artemisiifolia</i> L. in Poland: threat and selected aspects of biology. Volume: 21 Pages: 39-48 Published: 2011	Tokarska-Guzik, B., Bzdęga, K., Koszela, K., Żabińska, I., Krzuś, B., Sajan, M., Sendek, A.	16	2,29
Tentative list of endemic vascular plants of Zeravshan Mts in Tajikistan (Middle Asia): Distribution, habitat preferences and conservation status of species. Volume: 19 Pages: 65-68 Published: 2010	Nowak, A., Nobis, M.	16	2.00
Influence of railway transport in the South-East of Slovakia on formation of adventive flora in Central Europe. Volume: 11-12 Pages: 27-32 Published: 2008	Jehlík, V., Dostálek, J.	15	1.50
Taxonomy of the subtribe Maxillariinae (Orchidaceae, Vandoideae) revised. Volume: 25 Pages: 13-38 Published: 2012	Szlachetko, D.L., Sitko, M., Tukało, P., Mytnik-Ejsmont, J.	14	2.33
Alien vascular plants in the Silesian Upland of Poland: distribution, patterns, impacts and threats. Volume: 19 Pages: 33-54 Published: 2010	Tokarska-Guzik, B., Węgrzynek, B., Urbisz, A., Urbisz, A., Nowak, T., Bzdęga, K.	13	1.63
Morphological variation of hairs in <i>Malva alcea</i> L. (Malvaceae). Volume: 3 Pages: 258-261 Published: 2006	Celka, Z., Szkudlarz, P., Biereznoj, U.	12	1.00
Acidophilous oak forests of the Wielkopolska region (West Poland) against the background of Central Europe. Volume: 20 Pages: 1-138 Published: 2010	Kasprowicz, M.	12	1.50
<i>Vallisneria spiralis</i> (Hydrocharitaceae) in lakes in the vicinity of Konin (Pojezierze Kujawskie). Volume: 1-2 Pages: 154-158 Published: 2006	Hutorowicz, A.	12	1.00
A new locality of <i>Solidago xniederederi</i> Khek (Asteraceae) in Poland. Volume: 29 Pages: 57-62 Published: 2013	Pliszko, A.	11	2.20
Genetic variation and structure in natural populations of <i>Melica ciliate</i> and <i>M. transsilvanica</i> (Poaceae) as indicated by AFLP markers. Volume: 3-4 Pages: 39-43 Published: 2006	Szczepaniak, M., Cieślak, E.	11	0.92
The role of rivers and streams in the migration of alien plants into the Polish Carpathians. Volume: 23 Pages: 43-56 Published: 2011	Zajac, A., Tokarska-Guzik, B., Zajac, M.	11	1.57
In total: 184 papers		650	54.17

Similar indicators of visibility and impact of the work published in *BRC* can be obtained using *Scopus database*, which separates the section of so-called secondary documents. A secondary document is a document that has been extracted from a *Scopus* document reference list but is not available directly in the *Scopus database* since it is not indexed by *Scopus*.

Currently the database contains 184 papers published in *BRC* in the years 2006-2018, which are cited 650 times in publications indexed in *Scopus*. Almost 55% of the papers were cited 1-2 times (Fig. 5). Twelve papers

were cited at least eleven times (Table 5). The current Hirsch index calculated on the basis of data collected in the *Scopus* database is 11.

3.4. Exchange of scientific information and dissemination of knowledge about biodiversity

During 12 years of the functioning of *BRC*, the home page of this journal (www.brc.amu.edu.pl) was opened over 400,000 times (own source). In this period, over 43,000 visits from unique addresses were recorded, i.e., one-time IP counts, regardless of how many times

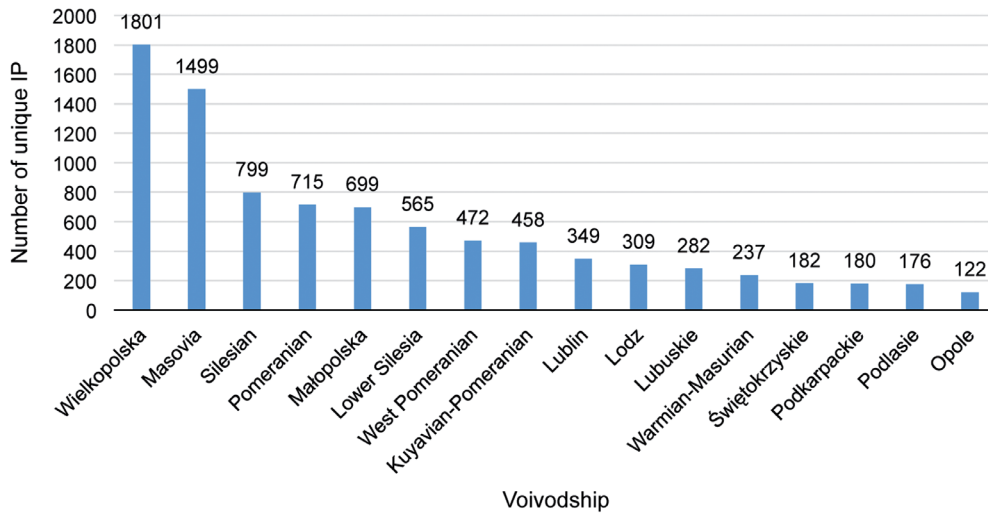


Fig. 7. Number of unique addresses (IPs) in the Polish regions (voivodships), from which readers most often logged into the *BRC* homepage in the years 2006-2017

they were active (calculated for years 2006-2017 based on <http://lite.ip2location.com>). Those interested in the information presented on the *BRC* website came from 185 countries on all continents. Over 500 unique addresses have been identified in 13 countries (Fig. 6). The greatest activity showed the Polish readers. Given the place of the journal's publication and regional problems often raised in it, this is not particularly surprising. It is worth emphasizing, however, that *BRC* readers originate from all regions and academic centers of Poland (Figs. 7 and 8).

Both the global and Polish data indicate that the group of *BRC* readers is not limited to scientists, at least not only to specialists dealing with biodiversity.

4. Final remarks

The analysis carried out in this occasional summary shows that *BRC* has found its place on the market of scientific journals. This is indicated by a large number of authors and the wide circle of readers of their publications in this journal. The data and hypotheses presented in them arouse the interest of researchers publishing their papers in the best journals in the field of biodiversity science. The impact range of papers published in *BRC* would certainly increase if the journal were indexed in these reputable databases. Achieving such a goal becomes the main task of the *BRC* editorial team in the coming years.

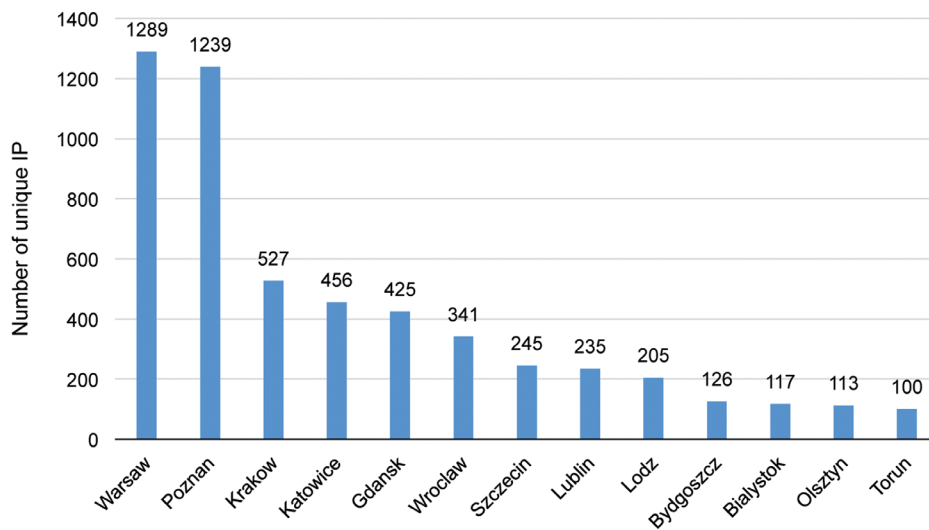


Fig. 8. Number of unique addresses (IPs) in the Polish towns, from which readers most often logged into the *BRC* homepage in the years 2006-2017

The substantive and editorial level of *BRC* has been highly rated in Poland. In the ranking of academic journals compiled by the Ministry of Science and Higher Education in Poland, *BRC* has been placed on the, so called, list B, with the score of 13 points (on a scale of 1 to 15). These points are considered during the categorization of scientific and research institutions in Poland.

The research results published in *BRC*, however, are primarily important for the development of biodiversity science and the protection of natural resources. This journal also contributes to the dissemination of knowledge about the diversity of plants and fungi among people who do not deal with this issue professionally.

On the occasion of the anniversary edition of *BRC*, we would like to give thanks:

- All Authors who entrusted us with publishing their research results;
- Reviewers, for insightful opinions that are crucial to raising the scientific level of the journal;
- Members of the Editorial Board for the long-term cooperation;
- Sponsors of the journal, in particular the Faculty of Biology of the Adam Mickiewicz University in Poznań;
- “Kontekst” Publishing House for the enormous effort in the preparation of each, the next volume *BRC*.

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www.brc.amu.edu.pl

<https://content.sciendo.com/view/journals/biorc/biorc-overview.xml>
<http://lite.ip2location.com>

Appendix 1. Front cover photographs of the journal *Biodiversity: Research and Conservation* in the years 2006-2018 (volumes 1-50 and three supplements)



Vol. 1-2/2006

The fynbos shrub, *Erica monsoniana* L. f. on the slope of Jonaskop peak (south-west RSA), September 2005 (photograph by Piotr Szkudlarz)



Vol. 3-4/2006

Hollyhock mallow (*Malva alcea* L.) on the earthwork of Łekno site 3, Wielkopolska region (Poland), July 2005 (photograph by Zbigniew Celka)



Vol. 5-8/2007

Small Pasque Flower (*Pulsatilla pratensis* (L.) Mill.) at the edge of the forest on the top of the Dziewicza Góra hill in the vicinity of Poznań (the Wielkopolska region, Poland), May 2005 (photograph by Radosław Sajkiewicz)



Vol. 9-10/2008

Canada Goldenrod (*Solidago canadensis* L.) on post-agricultural lands in Kicin near Poznań (the Wielkopolska region, Poland), August 2008 (photograph by Zbigniew Celka)



Vol. 11-12/2008

Jerusalem artichoke (*Helianthus tuberosus* L.) on the edge of a water reservoir in Luboń near Poznań (Wielkopolska region, Poland), September 2005 (photograph by Radosław Sajkiewicz)



Vol. 13/2009

Bartling's broomrape (*Orobanchae bartlingii* Griseb.) in xerothermic grassland, near the Ogrodzieniec Castle in Podzamecze (Kraków-Częstochowa Upland, Poland), July 2009 (photograph by Renata Piwowarczyk)



Vol. 14/2009

Galpin's yellow star-grass (*Hypoxis galpinii* Baker) in grassland on Lukwangule Plateau, Uluguru Mountains, Tanzania, February 2001 (photograph by Justyna Wiland-Szymańska)



Vol. 15/2009

Telipogon szmiti Szlach., Mytnik & Baranow – a terrestrial plant growing in a disturbed forest of southern Ecuador (west of Zumba, along the Peruvian-Ecuadorian border), August 2007 (photograph by Bronisław Szmit)



Vol. 16/2009

Small Tassel Heath (*Erica coccinea* L.) in fynbos on the sandstone hill, Cape Agulhas, September 2005 (photograph by Piotr Szkudlarz)



Vol. 17/2010

Prostrate false pimpinell [*Lindernia procumbens* (Krocker) Borbás] at the bottom of the fish pond, Staw Niezawodny, in the vicinity of Milicz (Lower Silesia region, Poland), August 2009 (photograph by Zygmunt Dajdok)



Vol. 18/2010

English sundew (*Drosera anglica* Huds.) in the deflation hollow next to the Łacka Dune, in the Slowinski National Park (Pomerania region, Poland), July 2008 (photograph by Wojciech Antkowiak)



Vol. 19/2010

Jurinea trautvetteriana Rgl. et Schmalh. in tall-herb communities at the elevation of 3100 m a.s.l. in the Wancz valley in West Pamiir, Tadzykistan, July 2009 (photograph by Arkadiusz Nowak)



Vol. 20/2010

Calamagrostis arundinaceae-Quercetum petraeae polygonatetosum odorati variant with *Anemone nemorosa* in the Wielkopolski National Park (Wielkopolska region, Poland), May 2010 (photograph by Marek Kasprzowicz)



Vol. 21/2011

Leatherleaf [*Chamaedaphne calyculata* (L.) Moench] on the raised bog in the Tuchola Forest District (Pomerania region, Poland), April 2005 (photograph by Zbigniew Celka)



Vol. 22/2011

Giant garlic (*Allium scorodoprasum* L.) in the meadow beside the early medieval fortified settlement in Kórnik near Poznań (Wielkopolska region, Poland), June 2002 (photograph by Zbigniew Celka)



Vol. 23/2011

Calypogeia fissa (L.) Raddi on the ditch bank in acidophilous oak forest in Antonin near Ostrów Wielkopolski (Wielkopolska region, Poland), October 2011 (photograph by Katarzyna Buczkowska)



Vol. 24/2011

Sea holly (*Eryngium maritimum* L.) on the dune near Jarosławiec (West Pomerania region, Poland), July 2008 (photograph by Zbigniew Celka)



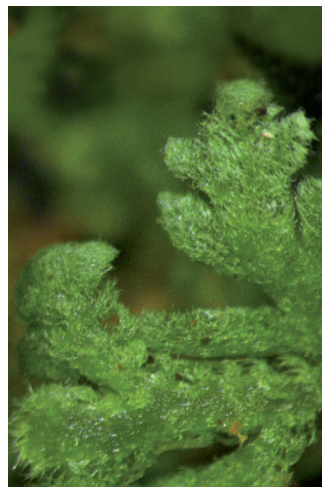
Vol. 25/2012

Aucellia sophronitis (Rchb.f.) Szlach. & Sitko – an epiphyte orchid species from wet forests of Venezuela, August 2009 (photograph by Luiz Filipe Klein Varella, Porto Alegre, Brasil)



Vol. 26/2012

Orobanche coerulescens Stephan in Willd. parasitizing *Artemisia campestris* L. in a former gravel pit in Dobrowoda (Podlasie region), June 2010 (photograph by Renata Piwowarczyk)



Vol. 27/2012

Trichocolea tomentella (Ehrh.) Dumort. on the muddy shore of Lake Orle near Miastko, Pomeranian Lake District (Pomerania region, Poland), June 2012 (photograph by Alina Bączkiewicz)



Vol. 28/2012

Salvinia natans (L.) All. with the butterfly *Vanessa atalanta* (Linnaeus, 1758) on the Nogat river (Zulawy region, northern Poland), August 2005 (photograph by Krzysztof Banaś)



Vol. 29/2013

Arachnangraecum germinyanum (Hook. f.) Szlach., Mytnik & Grochocka. An upland forest in the Anjozorobe-Angavo region, Madagascar, October 2010 (photograph by Przemysław Baranow)



Vol. 30/2013

Anthoxanthum odoratum L. s. str. in pine forest on the Nowy Tomyśl Sandur (Wielkopolska region, Poland), May 2008 (photograph by Piotr Szkudlarz)



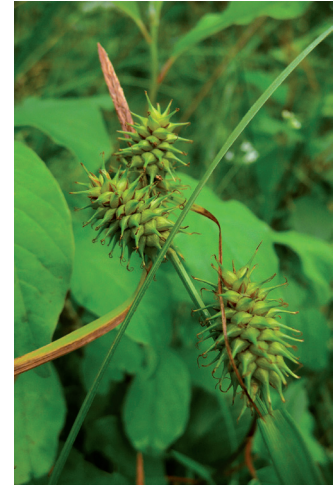
Vol. 31/2013

Yellow marsh saxifrage (*Saxifraga hirculus* L.). Mid-meadow depression with fen vegetation near Imielenko (Wielkopolska region, Poland), September 2011 (photograph by Maciej Jędrzejczak)



Vol. 32/2013

Bilabrella schimperiana (Hochst. ex A. Rich.) Szlach. & Kras-Lap. Zimbabwe, Quarter Degree Square: 731C3, Cleveland Dam, below dam wall, in marsh, alt. 1530 m, March 2005 (photograph by B. T. Wursten, photo no. 5388 from the Web Database "Flora of Zimbabwe")



Vol. 33/2014

Large yellow sedge (*Carex flava* L.), meadow at the forest edge, Wda river valley (Kujawsko-Pomorskie region, Poland), July 2009 (photograph by Bartosz Kurnicki)



Vol. 34/2014

Fritillaria meleagris L. in meadow of *Cirsio-Polygonetum bistortae* in Krówniki (Podkarpackie Province, Poland), April 2010 (photograph by Arkadiusz Nowak)



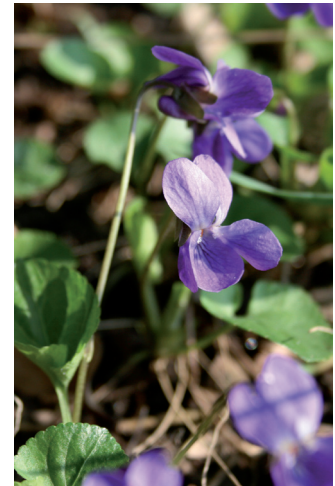
Vol. 35/2014

Lepidium ruderale L. on the roadside in Poznań (Wielkopolska region, Poland), July 2014 (photograph by Piotr Szkudlarz)



Vol. 36/2014

Cypripedium calceolus L. in the oak-hornbeam forest near Imielenko (Wielkopolska region, Poland), May 2011 (photograph by Zbigniew Celka)



Supplement 1/2014

Sweet violet (*Viola odorata* L.) in the oak-hornbeam forest in Radojewo near Poznań (Wielkopolska region, Poland), March 2014 (photograph by Zbigniew Celka)



Vol. 37/2015

Mimulus guttatus DC. on the Wierpra river bank in the vicinity of Sławno (Western Pomerania region, Poland), July 2004 (photograph by Radosław Sajkiewicz)



Vol. 38/2015

Ledum palustre L. in a coniferous swamp in the peat-bog complex "Bagna" near Chlebowo (Wielkopolska region, Poland), May 2015 (photograph by Zbigniew Celka)



Vol. 39/2015

Trollius europaeus L. in the wet grassland of Dziewicza Góra complex near Poznań (Wielkopolska region, Poland), May 2006 (photograph by Piotr Szkudlarz)



Vol. 40/2015

Milkweed (*Asclepias syriaca* L.) on the sunny slope beside the road in Widuchowa (West Pomerania region, Poland), July 2013 (photograph by Wanda Bacieczko)



Vol. 41/2016

Aster tripolium L. in the coastal salt marsh of "Stone Łąki" reserve, Władysławowo (Pomerania region, Poland), August 2013 (photograph by Magdalena Lazarus)



Vol. 42/2016

Carex secalina Wahlenb. in eutrophic habitat in the breeding colony of black-headed gull *Chroicocephalus ridibundus*, situated on an island of Lake Kusowo (Kuyavian-Pomeranian Province), June 2015 (photograph by Rafał Sandecki)



Vol. 43/2016

Botrychium simplex E. Hitchc. in mesoxerophytic short grass meadow situated near the village of Porech'e (Pukhovichy District, Minsk Region, Belarus), June 2006 (photograph by Maxim Dzhus)



Vol. 44/2016

Hypericum elegans Stephan ex Willd. in the xerothermic grassland near the village of Kały (Lubelskie region, Poland), July, 2010 (photograph by Piotr Szudlarz)



Vol. 45/2017

Sporocarps of *Badhamia versicolor* Lister on a bark of poplar (*Populus* sp.), Suwałki (Podlasie Province, Poland), August 2016 (photograph by Anna Bochynek)



Vol. 46/2017

Amsinckia calycina (Moris) Chater in the *Ornithopus sativus* Brot. crop in Dopiewo near Poznań (Wielkopolska Province, Poland), October 2014 (photograph by Małgorzata Rzepka)



Vol. 47/2017

Lycopodium clavatum L. at the edge of forest in the Bieszczady National Park (Podkarpackie Province, Poland), August 2013 (photograph by Zbigniew Celka)



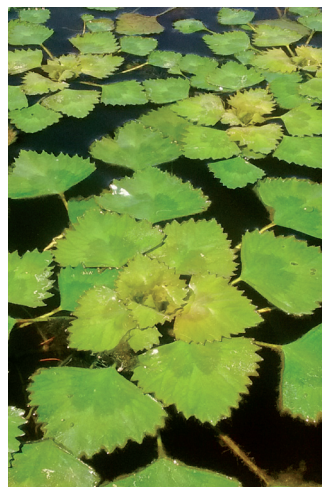
Vol. 48/2017

Botrychium multifidum (S. G. Gmel.) Rupr. in pine forest of the Svyatoshyn forestry, Holo-siivskiyi National Nature Park, Kyiv, Ukraine, August 2015 (photograph by Ivan Yu. Parnikoz)



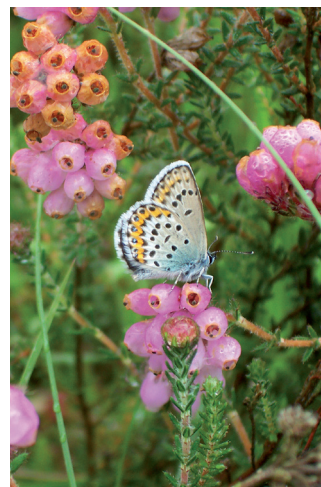
Supplement 2/2017

Male and female inflorescences of silver birch (*Betula pendula* Roth) in AMU Morasko Campus (Wielkopolska region, Poland), April 2017 (photograph by Łukasz Grewling)



Vol. 49/2018

Trapa natans L. in the waters of Obnica channel, Międzyodrze region, in the Lower Odra Valley Landscape Park (West Pomerania Province, Poland), June 2016 (photograph by Wojciech W. A. Kowalski)



Vol. 50/2018

The cross-leaved heath (*Erica tetralix* L.) with the butterfly *Plebejus argus* (Linnaeus, 1758) in a pine bog forest in the vicinity of Sławno (Pomerania Province, Poland), July 2004 (photograph by Radosław Sajkiewicz)



Supplement 3/2018

Flowering *Pinus sylvestris* L. in AMU Morasko Campus, Poznań (Wielkopolska region, Poland), May 2006 (photograph by Katarzyna Piotrowicz)

Appendix 2. List of papers published in *Biodiversity: Research and Conservation* in the years 2006-2018 (volumes: 1-50)

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