La Combe de Beuchail, 20km west of Dijon, FR, will never cease to amaze scientists working on segetal plant species, such as *Bupleurum rotundifolium* L. The site’s characteristics such as shallow calcareous soil and sunny exposition has limited intensive agriculture and the integration of spring/summer crops, which in turn has favoured oligotrophic species associated to winter cereals. However, mystery remains as to why surrounding sites which present similar characteristics do not present such a haven of biodiversity (picture and text: Guillaume Adeux).
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FROM THE BOARD

PRESIDENT'S MESSAGE

Dear EWRS colleagues,

In my last President’s message, I updated on the status of several new initiatives and appointments that cover important roles and future priorities for the Society. I am happy to say that there has been a smooth transition to a new Editor-in-Chief for the Society’s Weed Research journal (Dr Alison Haughton) and Camilla Moonen is now fully on-board as the EWRS Communication Officer.

As with all professional societies, there is a regular flux of EWRS Board and representative positions and this year, the Society will be holding elections for a new Vice-President, Secretary, Treasurer and for two additional Board members (see separate newsletter article). I would encourage all members to consider if they are willing to put themselves forward for these Board positions, or to gently persuade or even nominate their colleagues! It is notable that despite some efforts to ensure we have processes to create a good gender balance amongst elected EWRS officials, we are short of elected female Board members and I believe we (as a collective membership) should consider gender balance during the 2019 round of elections.

I must also report that after many of years of service as the Chair of the Weed Research editorial board, Paul Hatcher has informed the EWRS board that he plans to relinquish this role in May this year. The Chair of the editorial board acts as a liaison between Wiley, the journal’s publisher, the EWRS board and the journal editors. In the coming weeks, we will begin to consider a process for identifying and confirming a new Chair of the editorial board. The first steps are likely to involve seeking interest in the role from amongst the current editorial board. Many thanks to Paul Hatcher for his dedication to this role.

Given changes to key personnel at Weed Research and many changes in publishing models, including an increasing move towards open access publishing, is it now timely to review the future strategy and direction of the journal. No doubt, this be through a process of evolution, rather than revolution! This process will begin with a meeting on 22nd May in Oxford, England between myself, Paul Hatcher, Alison Haughton and the Wiley journal production and editorial team, and these discussions will continue via the journal editorial board and the EWRS board. The journal is the main source of income to the Society, enabling the EWRS to support several working group activities, web site, communication and other EWRS functions. In recent years, the journal’s impact has fallen slightly, though income from the journal continues to increase. Important questions to consider include how much the editorial board focuses on maintaining and increasing the journal’s impact factor versus solely prioritising publication of European Weed Research? Should the journal increase its scope to consider wider aspects of vegetation management and how do we attract or even commission highly-cited reviews in emerging areas of weed biology and management? Of course, none of these is mutually exclusive and all are important considerations. Please do let me know if you have any thoughts, ideas or reflections which might help us to ensure the continued vitality of the journal and I will take these with me to future discussions.

Please accept my apologies for a short message for this edition of the newsletter. After a series of EWRS Board and Scientific Committee meeting being held in June this year, I hope my next message can provide an update on many exciting ongoing activities, including preparations for the next EWRS symposium in Athens in 2021, the new EWRS web site and a completely new format being planned for the regular newsletter!

Best Wishes,
Paul Neve

EWRS President.
Elections for the Board of the EWRS in September 2019

This year there will be elections for a number of positions within the Board. The elections will be held from September 1 – September 21, 2019. The elections will be held for the following positions:

- **Vice-President** – every two years a new Vice-president is elected. The elected Vice-President will serve in that position for two years and will then automatically advance to the position of President. After the two-year period as President, the elected candidate will stay member of the Board for another two years.
- **Treasurer** – the elected Treasurer will serve for four years and is eligible for re-election for one more term. Ben Post has served for many years now, as in a number of occasions no other nominations were received. The Board then decided to re-appoint Ben Post in this position.
- **Secretary** – the elected Secretary will also serve for four years and is eligible for re-election for one more term. Lammert Bastiaans currently serves in his first term.
- **Two additional Board members** – additional board members serve for four years. At the end of this year, Lena Ulber and Willy Rueegg have served for four years and will be replaced by two new members.

Before the elections can be held, we need candidates for these positions. Therefore, all members of the EWRS are asked to nominate themselves for the positions of: Vice-President, Treasurer or Secretary. Every member will receive a personal e-mail and in this mail the procedure for nomination will be explained.

At the same time, the current Board will compose a list of six Candidates for the position of Additional Board member. In September the candidates will be asked to introduce themselves and at the same time the elections will be held.

The election committee,
Alicia Cirujeda, Ilias Travlos and Lammert Bastiaans

General Assembly

The General Assembly of the EWRS will be held on Sunday June 30, 2019 at 16.00 h in hotel Casa in Amsterdam. The General Assembly is organised in conjunction with the World Congress on Parasitic Plants. A personal invitation and the Agenda for this meeting will be send to all members by e-mail.

Lammert Bastiaans, Secretary EWRS
Dear EWRS Members,

It is with great pleasure that I have been asked to take the baton of Editor-in-Chief for Weed Research from Jon Marshall, who has stepped down after 14 years of dedicated commitment to the journal. His will be large shoes to fill, especially during these swift-moving times in publishing and the world of weed research, but I look forward to continuing the journal’s support of the European Weed Research Society through publishing robustly evaluated, high quality international weed research with the vital assistance of our hard-working and enthusiastic Editorial Board members and their respective bands of peer-reviewers.

Currently, I work as a freelance science editor (see LinkedIn), including for non-native English speaking researchers, and I come to Weed Research following an active research career in plant and invertebrate ecology that has its origins in a subject area shared with Jon - field margin ecology. Indeed, a core theme of my research has been the improvement of the ecological function of managed systems and conservation of natural and semi-natural systems (see Google Scholar for publications). Following my PhD studies of effects of glyphosate drift on field margin plants and arthropods, I spent 17 years at Rothamsted Research as an ecologist researching key, diverse questions in sustainable agriculture, including how the management of genetically modified, herbicide-tolerant crops affects weeds and invertebrates; does the cultivation of biomass crops improve levels of biodiversity in agro-ecosystems; and, does disease affect foraging behaviour in honey bees? Of course, the common theme among these questions is the role of weeds.

I am excited to bring my research, editing and peer-review experience (see Publons) to Weed Research for this next phase of its development and to continue the global dissemination of the best weed research to a wide and diverse audience. I very much look forward to working with you all.

Alison Haughton

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REPORT TO THE EDITORIAL BOARD OF WEED RESEARCH FOR 2018

Summary

Weed Research had 247 submissions in 2018, close to the average for the last 10 years. A total of 46 papers were published in volume 58, similar to the numbers published over the last three years. Paula Westerman retired from the Editorial Board at the end of 2017 and Lammert Bastiaans, Adam Davis, Clarence Swanton and Rich Smith also stepped down during 2018. During the year, we welcomed Catherine Borger, Erik Lehnhoff, Ramon Leon and Lena Ulber to the Board, all well respected weed scientists. On the Production side, Sheryl Acorda continued as Production Editor, with Andreas Petersen (Copenhagen) as our link at Wiley-Blackwell. The 2017 ISI Impact Factor was 1.766, similar to the previous year. Each Board member handled an average of 6.0 new submissions and the EiC made initial rejections on 75 manuscripts (30%). Average time to acceptance, to publication and time between acceptance and publication all increased significantly, due to delays on a small number of scripts handled by two editors. This was disappointing. Looking forward, we welcome the new Editor-in-Chief, Alison Haughton, who began work on 1 March 2019. I thank all the contributors to the journal over my 14 years in post, as well as the editors, reviewers and publishing staff. Some of my reflections on those years can be found in the editorial leading off Weed Research volume 59 (https://onlinelibrary.wiley.com/doi/10.1111/wre.12350).
Management and Production
The ScholarOne system of online submission and review continues to work well and facilitates submission from anywhere with an internet connection. Papers, once accepted and finalised by the Editor-in-Chief (EiC) using the FirstLook facility, go electronically from the Manuscript Central site to our Production Editor, Sheryl Acorda, Wiley Services Manila, who prepares manuscripts for the typesetters in India. I am grateful that she is efficient and helpful. Papers are set to a high standard by SPS Ltd in Chennai, India; they mount proofs regularly on the internet for authors and editor to check. The journal is printed in Singapore by C.O.S. Printers Pte Ltd. The page extent for the journal in 2018 was 672 pages and remains at this level. Once papers are set, they appear as pre-publication articles on the Weed Research on-line Early View service on the Wiley Online Library platform: (https://onlinelibrary.wiley.com/toc/13653180/0/0). Journal support and marketing continues to be provided by our publishers, Wiley-Blackwell, Oxford, with Andreas Petersen as our Journal Manager.

Editorial Board
Over 2018, the Editorial Board has seen a number of changes. Four editors retired, each of whom has given their time, expertise and support to many authors and for which we are all grateful. They are Lammert Bastiaans (7 years), Adam Davis (9 years), Clarence Swanton (13 years) and Rich Smith (4 years). We appointed four new editors during the year and welcome Catherine Borger, Erik Lehnhoff, Ramon Leon and Lena Ulber to the Board. I am very grateful to all the Subject Editors who have done excellent work in handling manuscripts and maintaining the high standards of the journal, as well as helping authors to develop their writing skills. They also act as ambassadors for the journal. The Board includes four Statistical Consultants who do excellent work for the journal, providing reviews on papers and advice to authors. We continue to review the make-up of the Board and are concerned that the gender balance is still not equitable. With recent retirements, we anticipate appointing three new editors during 2019.

Impact factor
The citation indices for Weed Research in 2017 were similar to 2016 (Fig. 1). In terms of immediacy, the journal does not score highly, but the citation half-life of our papers is more than 10 years. Our papers continue to be cited for many years. The journal lay 23rd out of all 87 agronomy journals and 86th out of 223 plant science journals.

![ISI citation statistics for Weed Research](https://onlinelibrary.wiley.com/toc/13653180/0/0)

Figure 1 The ISI impact factors and immediacy score for Weed Research between 1997 and 2017.
Published papers in 2018

A total of 46 papers were published in Volume 58 in six issues, including three reviews and five Insights paper and two Methods papers. Mean paper length was 10 pages. The origins of published papers over the period 2016-2018 is summarised below in Table 1. Published papers in 2018 were mostly from Europe (50%), with the remainder from North America (24%), Asia (11%) and Oceania (7%), with two papers from Latin America and one from the Middle East and Africa.

Table 1 Geographic origins of papers published in Weed Research 2016-2018

<table>
<thead>
<tr>
<th>Region</th>
<th>2016 (49)</th>
<th>2017 (41)</th>
<th>2018 (46)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>25</td>
<td>18</td>
<td>23</td>
</tr>
<tr>
<td>Austria</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Czech Republic</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Denmark</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Finland</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>France</td>
<td>3</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Germany</td>
<td>4</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Hungary</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Italy</td>
<td>1</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Netherlands</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Norway</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Poland</td>
<td>2</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Spain</td>
<td>5</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Sweden</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Switzerland</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UK</td>
<td>3</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Near/Middle East</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Iran</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>N America</td>
<td>7</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>USA</td>
<td>3</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>Canada</td>
<td>4</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Latin America</td>
<td>6</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Argentina</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Brazil</td>
<td>3</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Oceania</td>
<td>5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Australia</td>
<td>2</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Fiji</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>New Zealand</td>
<td>3</td>
<td>1</td>
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</tr>
<tr>
<td>Africa</td>
<td>0</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Algeria</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Ethiopia</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Nigeria</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Asia</td>
<td>5</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>China</td>
<td>1</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>India</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Japan</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Korea</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Philippines</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Taiwan</td>
<td></td>
<td>1</td>
<td></td>
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</tbody>
</table>
The time taken for the review and editorial process is one that authors are very sensitive to, so data on the published papers are summarised in terms of time in days from submission to acceptance, time to publication and time between acceptance and publication (Table 2). The average time to first decision on initial 2018 submissions was 62 days. Disappointingly, time to acceptance and time to publication both saw a significant jump in 2018, due to papers held up by two members of the Board. One has now retired and the other has recovered from serious surgery that I was unaware of. I anticipate that turn-round times will return to their recent levels in 2019.

Table 2  Mean time in days (and range) between submission, acceptance and publication in Weed Research, for papers published between 2008 and 2018.

<table>
<thead>
<tr>
<th>Year</th>
<th>Time to acceptance in days (range)</th>
<th>Time to publishing</th>
<th>Time between acceptance and publishing</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>183.9 (26 – 477)</td>
<td>345.3 (152 – 642)</td>
<td>161.4 (82 - 253)</td>
</tr>
<tr>
<td>2009</td>
<td>165.7 (8 - 393)</td>
<td>351.9 (172 – 583)</td>
<td>186.2 (108 – 311)</td>
</tr>
<tr>
<td>2010</td>
<td>197.8 (47 - 468)</td>
<td>349.6 (184 - 637)</td>
<td>158.3 (103 – 213)</td>
</tr>
<tr>
<td>2011</td>
<td>168.4 (21 – 420)</td>
<td>347.1 (191 – 602)</td>
<td>178.9 (128 – 228)</td>
</tr>
<tr>
<td>2012</td>
<td>176.2 (19 – 545)</td>
<td>308.7 (155 – 692)</td>
<td>132.5 (79 – 190)</td>
</tr>
<tr>
<td>2013</td>
<td>148.4 (15 – 360)</td>
<td>302.7 (154 – 536)</td>
<td>154.3 (110 – 258)</td>
</tr>
<tr>
<td>2014</td>
<td>176.8 (20 – 457)</td>
<td>344.3 (142 – 615)</td>
<td>167.6 (104 - 224)</td>
</tr>
<tr>
<td>2015</td>
<td>180.4 (21 – 394)</td>
<td>373.7 (230 – 609)</td>
<td>193.3 (134 – 236)</td>
</tr>
<tr>
<td>2016</td>
<td>170.6 (19 – 573)</td>
<td>327.2 (181 – 726)</td>
<td>156.6 (112 – 194)</td>
</tr>
<tr>
<td>2017</td>
<td>151.6 (20 – 400)</td>
<td>283.7 (139 - 576)</td>
<td>132.1 (83 - 246)</td>
</tr>
<tr>
<td>2018</td>
<td>202.3 (11 – 699)</td>
<td>343.7 (132 – 884)</td>
<td>141.4 (82 – 204)</td>
</tr>
</tbody>
</table>

Manuscript submissions in 2018

The number of manuscripts submitted to the journal in 2018 was 247, significantly more than 2017 and back to average levels over the past 10 years. This equated to 21 manuscripts per month. An analysis of where papers are coming from is given in Table 3. The most significant development is that the highest number of papers came from Asia, rather than Europe, for the first time. This is reported from other journals in 2018.

Table 3  Numbers of manuscripts submitted (percentages) from different parts of the globe from 2014 to 2018

<table>
<thead>
<tr>
<th>Region</th>
<th>Europe</th>
<th>Middle East</th>
<th>N America</th>
<th>Latin America</th>
<th>Oceania</th>
<th>Africa</th>
<th>Asia</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. submissions in 2018</td>
<td>68 (28%)</td>
<td>37 (15%)</td>
<td>29 (12%)</td>
<td>21 (9%)</td>
<td>14 (6%)</td>
<td>8 (3%)</td>
<td>70 (28%)</td>
</tr>
<tr>
<td>No. submissions in 2017</td>
<td>81 (39%)</td>
<td>20 (10%)</td>
<td>18 (9%)</td>
<td>9 (5%)</td>
<td>13 (6%)</td>
<td>13 (6%)</td>
<td>55 (26%)</td>
</tr>
<tr>
<td>No. submissions in 2016</td>
<td>80 (32%)</td>
<td>40 (16%)</td>
<td>17 (7%)</td>
<td>14 (4%)</td>
<td>9 (7%)</td>
<td>15 (6%)</td>
<td>77 (31%)</td>
</tr>
<tr>
<td>No. submissions in 2015</td>
<td>87 (34%)</td>
<td>24 (10%)</td>
<td>12 (5%)</td>
<td>22 (9%)</td>
<td>18 (7%)</td>
<td>24 (10%)</td>
<td>66 (26%)</td>
</tr>
<tr>
<td>No. submissions in 2014</td>
<td>113 (36%)</td>
<td>36 (11%)</td>
<td>21 (7%)</td>
<td>23 (8%)</td>
<td>22 (7%)</td>
<td>6 (2%)</td>
<td>93 (30%)</td>
</tr>
</tbody>
</table>

A comparison of submissions in 2017 to publications in 2018 again indicates that a lower proportion of submissions for Asia, Africa and the Near East (7%) are ultimately published compared with elsewhere (33%) and this is a continuing concern.
An examination of the fate of the 2018 submissions to date indicates that of the 247 submissions, 29 have been accepted, 14 are under revision, 80 were rejected pending resubmission and 109 have been rejected outright, leaving 15 manuscripts in progress, as at 14 March 2019. As a means of controlling the load on Subject Editors, initial rejections were made by the EiC on 75 manuscripts (31%) submitted during 2018.

Journal management in 2018
The Subject Editors handled, on average, 6 new manuscripts each during the year, with a range of between four and nine (Maurizio Vurro). I am again very grateful to each member of the Board for their hard work, intellectual rigour and impartiality. Weed Research is dependent on the skills of the Subject Editors and they are to be congratulated on the standard of the journal. Likewise, they depend to a large degree on the expertise and good sense of our many reviewers and we thank them all. In December 2018, we published the list of all 207 reviewers who contributed reviews between 1 October 2017 and 30 September 2018 (See 58, 475-476) and the 41 countries that they represent. The journal is linked to Publons (https://publons.com/home/), so that reviewers and editors can record their contribution and use the data for recognition, CVs and submissions. The locations of our reviewers and editors demonstrate that Weed Research is a truly international journal.

Efforts to broaden the scope of Weed Research have been made over 2018, though further work is required. Authors welcomed the relaxation of paper length to 7000 words over the previous 6000 word target. The journal Twitter account now has 424 followers.

2019 in prospect
Alison Haughton is now the new Editor-in-Chief and I wish her well for the future. We expect Subject Editors will again be handling around seven new manuscripts each. Initial submissions in 2019 are running at just over 20 manuscripts a month and rejection levels are around 24%, so this should limit the workload of editors. We expect to invite three new editors to the Board shortly. A Special Issue of the journal is planned on the invasive *Impatiens glandulifera*, with Guest Editor Alan Gange. The landscape of scientific publishing is evolving, with implications for the Society in terms of income. We provide open access, but further changes will need to be managed carefully. I commend Alison Haughton, Paul Hatcher and the Editorial Board work together and with Wiley, our publisher. A course needs to be plotted that will see Weed Research continue as a global weed science journal into the future, accessible for author submissions, as well as for readers.

E J P Marshall
Now ex-Editor-in-Chief (jon.marshall@agroecol.co.uk)
14 March 2019

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**MEMBER CONTRIBUTIONS**

**EIP-AGRI FOCUS GROUP ON NON-CHEMICAL WEED MANAGEMENT**

The members of the new EIP-Agri Focus group on non-chemical weed management were selected among respondents to a call for interest. A balanced number of participants among researchers, advisors and farmers will respond to the main question: *What are the options for non-chemical weed management in arable cropping systems?* The group kicked-off last autumn with a meeting in Bucharest (Romania) and the report of this meeting can be found at [https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/eip-agri_fg32_non-chemical_weed_management_starting_paper_2019_en.pdf](https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/eip-agri_fg32_non-chemical_weed_management_starting_paper_2019_en.pdf).
The main tasks that will be tackled during the life-time for the Focus Group are:

- Make an inventory and clustering of non-chemical weed management practices in arable cropping systems for the different pedo-climatic zones in the EU.
- Analyse challenges and opportunities regarding the implementation of these practices, notably in terms of reliability and cost effectiveness at farm level as well as their transferability to other conditions (location, type of production).
- Identify key factors (such as knowledge requirements, decision support tools, partnerships) and analyse technical/economic/social barriers related to the adoption of these practices by farmers.
- Analyse the interaction of non-chemical weed management practices with other challenges, such as carbon sequestration, nutrient losses, soil degradation/erosion/compaction and biodiversity.
- Collect good practices and success stories on reducing herbicide use from different European areas, taking into account experiences of farmers and advisers as well as the findings of potential innovation activities carried out by EIP-AGRI Operational Groups and research projects in this field.
- Propose potential innovative actions and ideas for Operational Groups to stimulate the use and improvement of non-chemical weed management.
- Identify needs from practice and possible gaps in knowledge concerning non-chemical weed management which may be solved by further research.

The facilitation team of this EIP-Agri Focus Group consists of Marleen Riemens (Coordinating Expert), Remco Schreuder (Task Manager) and Emilie Gätte (Backup member). Through the link on the website you can download reports and documents produced by the groups and contact the facilitation team or individual Focus Group members: https://ec.europa.eu/eip/agriculture/en/non-chemical-weed-management-arable-cropping.

EWRS will follow their activities closely and you may expect to find some outcomes of their work summarised in future EWRS Newsletters.

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**BOOK ANNOUNCEMENT**

**MACROPHYTES OF THE RIVER DANUBE BASIN**

This book is the most complete inventory of water plants along the Danube’s entire course and of related water bodies in the Danube basin. It is an attractive book for scientists as well as common readers interested in the aquatic plant life recorded in the ‘Most international Large River of the World’.

This book covers the topic of ‘Aquatic Macrophytes’ in the Danube River, starting at the source-rivers in the Black Forest of Germany and leading the interested reader directly along the whole river course, to where it ends in the channels of the Danube Delta. Also covered are other rivers and human-made canals in the river basin, as well as some related topics with relevance to aquatic plant life, e.g. contributions from Slovenia, the Czech Republic and Slovakia.

‘Macrophytes of the River Danube Basin’ has recently been published by ACADEMIA (Prague), with the support of the Academy of Sciences of the Czech Republic. The results reported in this book are based on the support of the Federal Ministry of Education, Science and Culture (Vienna, AT), the Austrian Committee of IAD (International Association for Danube Research), the Bavarian Government/Niederbayern, and the Provincial Authority for Environmental Protection and the Governmental Presidency of Baden-Württemberg.
Important contributions were provided by the Slovenian team, which took care of the first layout-structuring activities and the formidable graphic work on maps by Mateja Rihtaršič. Neither should one forget the outstanding support provided by regional and local organisations in the member countries that facilitated the essential work of the teams during the field campaigns a priori. Finally, more than 50 persons have been involved in different work phases of the whole project and 34 authors have prepared the 21 contributions of this book.

Figure 1 Overview map of the Danube catchment (top), indicating the Bavarian reach (rectangle); Detail map of the Bavarian Danube (bottom). © M. Rihtaršič, 2018.

The Danube is one of the ‘Large Rivers of the World’, ranking No. 18 by length worldwide, and only second to the Volga River in Europe. The Danube is also the most ‘international’ river, as its basin reaches into 16 national states, and includes very small areas in another three countries (source: ICPDR maps).

Starting with earlier work of the Expert Group Macrophytes of IAD, and following a thorough Pilot Study period of two years, the main project lasted for five years until all reports had been delivered to the supporting authorities.

Regarding its content this book is quite unique, presenting a scale of detail never achieved previously in the documentation of the aquatic vegetation recorded in a large river. During the surveys along the whole length of the Danube, and with only a few exceptions (e.g. inaccessible reaches in the source-rivers), the 2850 kilometres in the main channel, and additional lengths in main river branches, were sampled for macrophytes, as well as for environmental parameters in the river and its corridor. Based on this dataset the individual contributions were composed to highlight different aspects of interest as seen by the authors of each chapter.

The source streams reflect the change in macrophyte composition from mountains, in which they start, towards the adjacent lowlands, where they merge to create the Danube. Its Upper, Middle and Lower Reach, and the Delta, clearly show the diverse character in macrophyte species composition along the whole Danube. This is also true for water bodies in other parts of the basin, which include e.g. karst-rivers, canal systems, and some types of impoundments, too. One contribution also deals with carnivorous aquatic plants, cultivated and studied in the Czech Republic. This book also contains a complete species list of all macrophytes recorded during the surveys. Individual chapters show the plant names in the respective national language.

Figure 2 Dense and species-rich aquatic plant growth in a long and narrow channel of the Danube Delta. © G. A. Janauer, 2012.
The authors, the editors and ACADEMIA Publishing House look forward to a friendly reception of this book, which should contribute not only to an increase in scientific knowledge, but may also be a source of information for governmental agencies or stakeholders responsible for the Danube River, as well as for individual readers with interest in aquatic plant life in one of the large rivers in Europe.


Address: ACADEMIA Publishing House, Václavské náměstí 32, Praha 1, CZ

Book orders from abroad address to: Head of the Academia Bookstore, Prague, Ms. Šárka Hakenová: hakenova@academia.cz. The price is very 'friendly': equivalent of ca. €17, excluding postage costs.

**Grasses: Crops, Competitors and Ornamentals by Hansjoerg Krähmer**

Forty-five percent (45%) of all arable land is covered by five grass crops: wheat, maize, rice, barley and sugar cane. This book demonstrates why crops and weeds are growing in characteristic environments today, and looks at how cropping practices may change in the future and how these changes will affect weed spectra. It explains the distribution of grasses and their role for mankind and summarizes our knowledge on grass genomes. Special emphasis is placed on the function of genes at defined developmental stages and in organs of grasses. The development of grasses is then described from the germination to fruit set with many unpublished examples.

*Grasses: Crops, Competitors and Ornamentals* provides readers with a comparative description of selected grass organs (stem, root, leaf, inflorescence) and devotes several chapters to habitats of grasses and morphological characteristics that enable grasses to grow in special environments. In addition, some chapters deal with grasses as crops and weeds, and emphasis is placed on their adaptation to modern agriculture.

The book predicts how cropping practices may change in the future and how these changes will affect weed spectra. It also summarizes our knowledge on grass genomes and connects classical morphology with the latest tools in molecular biology as well as ecological aspects determining the wide distribution of grass species today.

*Grasses: Crops, Competitors and Ornamentals* will be of great interest to agricultural scientists who want to know more about crops and weeds, grassland specialists and breeders interested in special grass traits, and molecular biologists and ecologists who study the biology and habitat of grasses. More information on the book can be found at: [https://www.bookdepository.com/Grasses-Hansjoerg-Kraehmer/9781119416807](https://www.bookdepository.com/Grasses-Hansjoerg-Kraehmer/9781119416807)

**About the Editor**

Hansjoerg Krähmer works at Weed Control Research of Bayer AG. He has held positions in Research, Development, and Marketing in different agrochemical companies, including Schering AG, AgrEvo, Aventis, and Bayer AG. Dr. Krähmer is the author of *Weed Anatomy* and *Atlas of Weed Mapping.*
We are organizing LeStudium International Conference on Biological Activities of Essential Oils in Orleans from 13 to 15 May 2019. One of the sessions is devoted to the Essential Oils in Crop Protection including weed management using essential oils: http://www.lestudium-ias.com/event/biological-activities-essential-oils

In the modern sustainable industries, the “green products”, based on natural compounds, are of a highest importance. From this standpoint, essential oils are considered the most widely used natural products in many areas. Most of them have been used as fragrance, flavouring agents or as medicines since ancient times. Nowadays, a renaissance of the research on essential oils in the traditional, but also new industries, is observed. The essential oils are extensively studied to treat various human ailments, but also for crop protection, as so-called botanical pesticides. This conference aims to give an overview of the modern biological applications and activities of essential oils. Also, their phytochemistry and ecophysiological significances will be discussed.

Venue

Hôtel Dupanloup: 1, rue Dupanloup - 45000 Orleans, France. The conference venue is unique. Located right next to the Orléans’ cathedral, the episcopal palace of Orléans, built between 1635 and 1641, locally known as the Hôtel Dupanloup, is a classical French building which served until 1905 of residence to the bishops of Orléans. Since 2014, the renewed palace hosts the International University Center for Research and Le Studium Loire Valley Institute for Advanced Studies.

Participants will be welcomed in this exceptional surrounding, blending Middle Age and Renaissance cultures with modern design and will have the opportunity to discover French cuisine and wines.

Cost and application procedure

- Private institutions 250 EUR
- Public institutions 180 EUR
- Students 75 EUR
- Gala dinner 60 EUR

The price includes two lunches, a wine & cheese cocktail and the coffee breaks. You can find more information on www.lestudium-ias.com or register at registration@lestudium-ias.fr.

Abstracts for oral presentation and poster should be submitted before Monday 11th of March 2019. Please upload your abstract during the registration or send it before the deadline to maurine.villiers@lestudium-ias.fr. The number of oral presentations is limited, convenors will process a selection and confirm your presentation not later than Friday 15th of March 2019.

Organisers

- Dr Agnieszka Synowiec, Le Studiorum, Marie Skłodowska-Curie Research Fellow from University of Agriculture in Krakow and Laboratory of Woody Plants and Crops Biology (LBLGC) / INRA, University of Orléans - FR
- Dr Christophe Hano, Laboratory of Woody Plants and Crops Biology (LBLGC) / INRA, University of Orléans – FR
ECONOMIC OF WEEED MANAGEMENT - PRINCIPLES AND PRACTICES

16 - 17 May 2019
Inter University Centre, Dubrovnik, Croatia

The WG “Economics of Weed Management” is pleased to invite you to our first working group workshop. The objective of the workshop is economic analysis of weed control for management, policy making and setting research priorities. This should include integration and synergy of weed scientists, agricultural economists and socio-economic scientists to create a fruitful environment for discussion and further collaboration.

There is opportunity for additional interested scientists to register till end April (e-mail to estefanic@fazos.hr) and a room for a couple of presentations of scientists looking for an opportunity to share relevant research information. We particularly encourage young colleagues to apply for EWRS subsidy. Registration is mandatory. Registered participants will receive more detailed information shortly.

The provisional program and proposed workshop structure is as follows:

- **May 15**
  - Afternoon: arrival and registration of participants.

- **May 16**
  - Session I: On-farm data management - Invited guest speaker Alistair J. Murdoch (The University of Reading, UK)
  - Session II: Economic threshold, decision models and cooperative networks in Weed Management - Invited guest speaker Wesley Everman (North Carolina State University, US)
  - Session III: Implementation of new technologies and products into Weed Management - Invited guest speaker Cesar Fernandez Quintanilla, CSIC Spain

- **May 17**
  - Session IV: Round table: Intellectual property rights in Weed Management – Invited guest speaker Clemence Valle (European IPR help desk)
  - Case study: The population dynamic and management of garlic mustard in Minnesota woodlands - Invited guest speaker Roger Becker (The University of Minnesota, US)
  - Posters:
  - Discussion and closure: (targeted at 17,00)

**Expected output**

Define the effective and economically worthwhile weed management by promoting understanding, cooperation and communication between academia, farmers, industry and the government. Networking

All people interested to this workshop should confirm their participation at earliest convenience by sending an e-mail to estefanic@fazos.hr.

We are looking forward to see many of you in Dubrovnik!

Edita Stefanic

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7TH MEETING OF THE EWRS WORKING GROUP “WEEDS AND BIODIVERSITY”

University of Hohenheim in Stuttgart, Germany
17– 19 June 2019

Dear Colleagues,

We invite you to the 7th meeting of the EWRS working group “Weeds and biodiversity”. The meeting will be held from 17 to 19 June 2019 at the University of Hohenheim in Stuttgart, Germany.
Scientific programme
The aim of this meeting is an exchange of current research results and knowledge about conservation and promotion of weed biodiversity as well as the services provided by biodiversity in regard to weeds. The meeting includes an excursion to a nearby nature conservation area and initiatives for joined experiments. The major topics are:
- Rare arable weeds: distribution, conservation, promotion and impact
- Ecosystem services of weeds
- Weed seed predation and biotic interactions in agroecosystems
- Weed surveys and databases
- Weed diversity and farming systems

The scientific program is not limited to these topics, please feel free to submit any research associated with weeds and biodiversity. We look forward to receive your contributions and hope to meet you all in Hohenheim. Local organizer: Matthias Schumacher (matthias.schumacher@uni-hohenheim.de) Scientific organizer and Chairman of the Working group: Paula Westerman (paula.westerman@wur.nl).

Preliminary Agenda
Day 1 (Monday 17 June 2019)
13.00-14.00 Lunch (for those that have already arrived)
14.00-17.00 Scientific programme
17.00-18.00 Collaboration initiatives
20.00 Dinner in a traditional swabian restaurant (close to the university)

Day 2 (Tuesday 18 June 2019)
9.00-13.00 Scientific programme
13.00-14.00 Lunch
14.00-18:00 Excursion to nature conservation area
20.00 Dinner in Stuttgart

Day 3 (Wednesday 19 June 2019)
9.00-13.00 Scientific programme
13.00-14.00 Lunch

Venue
The meeting will take place in the Palace of the University of Hohenheim. The Hohenheim Palace is located in the south of Stuttgart, surrounded by the fertile Filder areas and bordered by the Stuttgart city districts Plieningen and Birkach. The former summer residence of Herzog Carl Eugen von Württemberg is in the midst of expansive parks and the Hohenheim botanical gardens. In its current form, Hohenheim Palace was built on the model of Versailles. The meeting is organized by the Weed Science Department of the Institute of Phytomedicine. The institute has its 80th anniversary in 2019 and consists of the departments for molecular phytopathology, applied entomology, weed science and a chemical analysis laboratory. Research in the Weed Science department covers topics from Precision Weed Control via UAVs to herbicide evaluation to weed seed predation and cover crops. Stuttgart was founded back in the early 13th century and you can still find churches and castles from the 15th century spread inside the city. The majority of Stuttgart lies in a bowl-shaped valley at the banks of the river ”Neckar”. Stuttgart is home of the famous car brands Mercedes Benz and Porsche. Nowadays the city has excellence clusters in many high-tech branches like aerospace, mobility, engineering and IT. It hosts the second largest festival in Germany after the Oktoberfest in Munich and produces the beer brand “Dinkelacker”.

Accommodation
The university of Hohenheim is located near the airport of Stuttgart (STR). There are several larger and smaller hotels available for accommodation. All close hotels can be found via the following link: https://www.uni-hohenheim.de/hotels-unterkuenfte or via www.booking.com.
**Travelling to Hohenheim**

Arrival with all kind of transportation can be found on the universities homepage: [https://www.uni-hohenheim.de/en/directions](https://www.uni-hohenheim.de/en/directions). Information about the public transportation system can be found here: [https://en.vvs.de/](https://en.vvs.de/). We advise to purchase a ticket before getting on a Stadtbahn (UBahn) or bus. Normally there is the possibility to pay directly on a bus but not in a Stadtbahn! Purchase a ticket directly at the vending machines at the respective station to the destination “Universität Hohenheim”.

**Costs**

EWRS Member € 130, Non-member €190, Student (MSc-PhD) EWRS member 90 EUR and Student non-member 120 EUR. The difference in fees between members and non-members is the cost of a yearly membership to the EWRS.

The registration fee will cover the costs for the lunches, coffee breaks and dinner on Tuesday evening as well as the excursion on Tuesday. The registration fee won’t cover accommodation and travel expenses.

**Travel grants for young scientists**

To encourage young scientists to attend the meeting, subsidies for young scientists are being made available through the EWRS. They can be applied for by sending an e-mail to paula.westerman@uni-rostock.de. Young scientists (i.e. Master-students, PhD-students and scientists younger than 35 years of age) that are giving a presentation (oral or poster) at the workshop can receive a refund that will cover part of their accommodation and travel expenses. The maximum amount of the refund will be based on the number of applicants, but cannot exceed €500. If the applicant is not a EWRS-member, an amount equal to the yearly EWRS fee (€30 for students and €60 for regular members) will be deducted from the subsidy, and the applicant will be enrolled in EWRS. No travel grant will be awarded if the applicant has previously received a EWRS travel grant to attend a workshop. Applications will be evaluated by the Working Group coordinator (Paula Westerman) and the Scientific Secretary of the EWRS (Hüsrev Mennan).

Applications need to include:
- A short motivation letter
- A curriculum vitae
- An estimate of the costs for travel and accommodation
- A statement from the home institute that they will cover the remainder of the expenses for travel and accommodation, should the travel grant be awarded.

**Abstract submission**

Template can be found online at [https://biodiversity2019.uni-hohenheim.de/](https://biodiversity2019.uni-hohenheim.de/). Please go online at [https://biodiversity2019.uni-hohenheim.de/](https://biodiversity2019.uni-hohenheim.de/) or the EWRS homepage (www.ewrs.org) to obtain the most recent information concerning the workshop. If you run into any trouble, please do not hesitate to contact me.

**Registration, Abstract submission and Deadlines**

11th January
- Registrations starts via the form on the webpage: [https://biodiversity2019.uni-hohenheim.de/](https://biodiversity2019.uni-hohenheim.de/)

1st April
- Deadline for registration
- Deadline for student application for travel grants to paula.westerman@wur.nl

1st May
- Deadline for abstract submission to paula.westerman@wur.nl
- Deadline for payment of registration fee (you will receive invoice after registration)

1st June
- Deadline for submission of final abstracts to matthias.schumacher@uni-hohenheim.de
- Second circular containing provisional scientific programme
15TH WORLD CONGRESS ON PARASITIC PLANTS - EWRS SUBSIDY TO EARLY CAREER SCIENTISTS

The 15th World Congress on Parasitic Plants that will be held in Amsterdam, the Netherlands from 30 June to 5 July 2019. Information on the Congress can be found at the official website of the event, at the following address: https://www.wcpp2019.org/

The Working Group "Parasitic Weeds" of the European Weed Research Society (EWRS) is actively involved in the organization of the Congress. A number of grants will be offered by EWRS for supporting the attendance of students and young researchers to the Congress.

If you (or one of your collaborators) wish to apply for receiving one of those grants, please read the following rules and act accordingly. Applicants must comply with the following conditions:

- to submit an abstract accepted as an oral presentation or a poster at the Congress
- to be an Early Career Scientist (e.g. MSc student, Ph.D. student, post-doc)
- to not exceed the age of 35 years at the starting date of the Congress

If you meet these three conditions and are interested in the possibility of getting a subsidy from the EWRS, please send your application no later than 1 May 2019 by e-mail to the WG coordinator (Maurizio Vurro - email maurizio.vurro@ispa.cnr.it). The WG coordinator (with the help of an ad-hoc Committee) will be responsible for the evaluation of the applications. Your application must include:

1. A brief Curriculum Vitae
2. A short motivation letter
3. A budget (estimation of the costs for travel, registration, and accommodation including the costs covered by your home institution)
4. Copy of the abstract presented to the Congress

Successful applicants will be notified about the allocation of a subsidy by the EWRS Scientific Secretary in due time. The EWRS does not provide the subsidy in advance. Please note that the subsidy cannot exceed 500 Euro. The recipient will need to send by email a completed “Declaration Form for the Student Grants” to the EWRS Treasurer (with a Cc to the WG coordinator), within 15 days after the event. The subsidy will be reimbursed by the EWRS Treasurer to the recipient by bank transfer after his/her active participation in the Congress, and after receiving the forms, within two months after the event. Details on reimbursements and declaration forms will be provided by the EWRS Treasurer if a subsidy has been awarded.

JOINT WORKSHOP EWRS WORKING GROUPS “OPTIMIZING HERBICIDE USE IN AN IWM CONTEXT” AND ”HERBICIDE TOLERANT VARIETIES”

Thessaloniki, Greece
4-6 July 2019

We have the pleasure to announce the joint workshop of the EWRS Working Groups “Optimizing herbicide use in an IWM context” and “Herbicide Tolerant varieties” that will take place at the American Farm School (AFS) / Perottis College in Thessaloniki, Greece starting Thursday 4th of July and ending Saturday 6th of July.

Workshop Scope
The Workshop aims to discuss the latest developments regarding weed management and the sustainable use of herbicides in an Integrated Weed Management (IWM) context. The workshop will also provide a forum to exchange information on benefits and stewardship challenges related to Herbicide Tolerant varieties as additional weed control system for farmers.
General outline
Dr. Demosthenis Chachalis kindly agreed to act as main local organizer. Facilities will allow for not more than 100 participants. Limited lodging facilities will be available at AFS and will be granted based upon “first come first serve” principle. Plenty of other hotel options are available in the neighbourhood of AFS. The organizers want to keep the registration fee democratic and limited to a minimum (not exceeding 60 Euro). Lodging and travel costs needs to be covered by the participants themselves. Young scientists (students or early stage researchers) can submit a request for partial financial support to participate at the workshop from EWRS. The submitted requests will be evaluated on a case by case basis according the “Rules and Regulations” of the EWRS.

We do encourage interested people to confirm their participation at earliest convenience by sending an e-mail to the registration officer of this event, Mr Nikos Karanasios, nikar@red-comm.gr (RED Communications is a PR agency based in Athens-Greece, specialized in communications and PR services). For registration, a specific web link will be launched at the EWRS site related to the workshop. We also invite participants to share with the organizers their intention to present some of the latest research or development work in their area of expertise. An early reception of a draft title and mentioning of the author(s) would be appreciated as to allow to build the most interesting agenda for the workshop. Please contact:
- Dr. Demosthenis Chachalis, d.chachalis@bpi.gr
- Dr Thomas Gitsopoulos, DEMETER, gitsopoulos@yahoo.gr
- Prof. Per Kudsk, per.kudsk@agro.au.dk
- Dr. Jan Petersen, Petersen@th-bingen.de
- Ir. Ivo Brants, ivo.brants@bayer.com

Deadlines
- submission of a title and authors: 30th April 2019
- submission of an abstract: 31st May 2019

Field trip
The agenda will include participant presentations, visits of some activities of the American Farm School (AFS) and a field visit to rice fields (including HT rice) in the Thessaloniki region.

Scientific Program
The Workshop aims to discuss the latest developments regarding weed management and the sustainable use of herbicides in an Integrated Weed Management (IWM) context. The workshop will also provide a forum to exchange information on benefits and stewardship challenges related to Herbicide Tolerant varieties as additional weed control system for farmers. Special focus will be given to crops (but not limited), such as rice, sunflower, sugar-beet in topics related to:
- Sustainable use of herbicides in an IWM context
- Monitoring and mitigation strategies for herbicide resistance
- Developments in Herbicide Tolerant (HT) varieties in Europe
- Stewardship to preserve the usefulness of herbicides and HT varieties

Preliminary Agenda
Day 1 (Wednesday 3 July 2019)
16.00 - 19.00 Registration
20.00 - 23.00 Wine Reception (AFS)

Day 2 (Thursday 4 July, 2019)
8.00 – 9.00 Registration
9.00 – 16.00 Scientific Program
16.00 – 18.00 Panel discussion (RICE)
18.00 – 19.00 American Farm School visit
21.30 Gala Dinner (near AFS)
Day 3 (Friday 5 July, 2019)
8.30 – 13.00 Field Visit - “Awareness RICE field trip: weeds-herbicides-HT varieties”. Chalastra region (main rice producing area in Greece, near Thessaloniki). Visit to HT crop fields; discussion about weeds and about herbicides-HT varieties. Visit on rice mill; discussion about the importance/challenges/opportunities of the rice crop
13.30 – 15.00 LUNCH
15.00 – 19.00 Visit of Panteleimon Beach
20.00 Free evening

Day 4 (Saturday 6 July, 2019)
9.00 – 16.00 Scientific program
16.00 – 18.00 Panel discussion
18.00 – 19.00 American Farm School visit
19.00 Dinner

END OF THE WORKSHOP

We are looking forward to receive the confirmation of your participation.
Many thanks,

Organizing/Scientific Committee
Prof. Per Kudsk, Dr. Demosthenis Chachalis, Ir. Ivo Brants, Dr. Jan Petersen

THE 27TH ASIAN–PACIFIC WEED SCIENCE SOCIETY CONFERENCE (APWSS 2019)
in Kuching, Sarawak, Malaysia
3-6 September 2019.

The theme will be “Weeds Science for Sustainable Agriculture and Environment”. This will be a significant event to all the researchers, practitioners and consumers to meet and discuss the development and challenges in weed management. This conference is jointly organized by APWSS and Malaysian Plant Protection Society (MAPPSS). We are confident that you will enjoy the conference in Kuching, Sarawak, Malaysia’s beautiful city and discuss new developments and future directions of weed management with Weed Scientists from around the world. Other details about the conference may be obtained from: https://apwss.org/ or https://www.apwss2019.org/

The conference will cover a wide range of topics regarding weeds, invasive weeds and their management; weeds ecology, biology, physiology, integrated weed management in cropped areas, non-cropped areas and aquatic systems; herbicide tolerant crops; herbicide resistant weeds; allelopathy; biological weed control; impact of climate change on weeds and weed management; herbicide behaviour on soil and water; education and extension in weed science; herbicide formulations and application technology; novel herbicides and their mode of action; utilization of weeds; precision and advanced weed management technologies.

Keynote speaker is Prof. Stephen Powles of the University of Western Australia, Perth, Australia who will be making keynote presentation on: “Herbicide Resistance and its Management in Asian Pacific: Challenges and Opportunities”. The plenary presentations will be made by Prof. Robert Zimdahl (U.S.A.) on “Agriculture’s Ethical Horizon: The Role of Weed Science in Sustainable Farming”; Prof. Stephen W. Adkins (Australia) on “Impact of Climate Change on Weed Management”; Dr. Do-Soon Kim (South Korea) on “Plant Image Science (Plant Phenomics) as a New Tool for Weed Research”; Dr. Shiv Shankhar Kaundun
(U.K.) on Evolution and Non-Target Site Resistance Mechanism in Weeds; Dr. Michael D. Day (Australia) on "Biological Weed Control: Challenges and Opportunity”; Dr A.N. Rao (India) on "The Progress and future of Weed Science in the Asian Pacific region”; Prof Dr. Samunder Singh (India) on "Ecobiology and Management of Phalaris minor”.

**CONFERENCE FEE**

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The abstracts of papers may be submitted online until 31 May 2019 at [https://www.apwss2019.org/](https://www.apwss2019.org/)

A.N. Rao
General Secretary, APWSS

**ADVANCED WORKSHOP ON WEED MAPPING AS A TOOL IN PLANT ECOLOGY AND WEED MANAGEMENT**

Mediterranean Agronomic Institute of Chania (MAICH), Crete, Greece
16 - 18 September 2019

Dear Colleagues,

This event is organized by the Weed Mapping Working Group and will be supported by the European Weed Research Society (EWRS) in cooperation with two Universities, the Agricultural University of Athens and the Czech University of Life Sciences Prague. The idea is that participants will arrive on September 15th and depart on September 19th. Information on the venue can be found here: [http://confer.maich.gr/](http://confer.maich.gr/)

General information on the Advanced Workshop which will also appear on the working group web site: [http://www.ewrs.org/weedmapping/default.asp](http://www.ewrs.org/weedmapping/default.asp)

**The aims**

1. an update of the existing scientific community on the technical and scientific progress in mapping science;
2. the documentation of practical aspects and the demonstration of innovative mapping tools in the field;
3. a discussion of weed mapping as part of digital farming.

**Scientific programme**

The workshop aims to be informal and so stimulate as much discussion as possible among participants. We will combine plenary scientific sessions with oral and poster presentations, practical training on field using novel tools in weed mapping and training in class on weed maps production using software and geodatabase.
Below is the list of topics:

- Phytosociology and weed science
- Spatial issues in weed distribution and weed shifts
- Novel detection tools in weed mapping
- Mapping of invasive weeds / resistant weeds / rare weeds
- Data processing
- Spatial interpolation, geostatistics and regional mapping
- Advances in precision weed mapping. Automatic systems for weed monitoring
- Transfer of field data into available software and databases
- State-of-the-art of SDSS (spatial decision support systems)

You are invited to express your interest by sending your early bird registration via the web site: [https://confer.maich.gr/registrations/weed_2019](https://confer.maich.gr/registrations/weed_2019) along with the proposed abstract title and name(s) of author(s) at your earliest convenience but no later than April 22nd.

**Target Group**

30 PhD and Post doc students, experienced “weed” and “plant ecology” scientists and a limited number of professionals.

**Registration fees**

Early bird fees should amount to 350€. Late registrations should result in fees of 400€. The fees include hotel accommodation in MAICH dormitories with breakfast, welcome party, lunches and farewell informal dinner.

**Important dates**

- February 1 to April 22nd, 2019 submission of abstracts
- Decision on accepted contributions by May 10th
- Expected payments for early bird registration by May 31

**Submission of Abstracts**

The abstracts should be reported to research and empirical data which will cover the aims of the workshop as mentioned above.

Please send your abstract to Professor Falia Economou ([economou@aua.gr](mailto:economou@aua.gr)). The abstracts will be allocated to session organizers by the organizing committee. The session organizers will contact you then in case of requested changes or corrections.

**Organizing Committee**

Professor Falia Economou ([economou@aua.gr](mailto:economou@aua.gr)), Agricultural University of Athens.

Dr. Hansjoerg Kraehmer ([Kraehmer-Hofheim@t-online.de](mailto:Kraehmer-Hofheim@t-online.de)), former EWRS President.

Michaela Kolarova ([mkolarova@af.czu.cz](mailto:mkolarova@af.czu.cz)), Assistant Professor, Czech University of Life Sciences Prague.

Dimitra Douffi ([dimdouffi@yahoo.gr](mailto:dimdouffi@yahoo.gr)), MSc student, Agricultural University of Athens.

**Accommodations and meals:**

Participants in the workshop will have accommodations in MAICH dormitories and lunches at the MAICH restaurant. All the rooms are air-conditioned, have private facilities and will be booked on a first come first served basis.

**How to reach Chania and the Conference centre:**

[http://confer.maich.gr/info/travel.html#chania](http://confer.maich.gr/info/travel.html#chania)

Chania is a famous holiday resort with various options to reach from European countries. Please check the connections at your travel agencies and airlines.
EWRS Education & Training: Herbicide Resistance Identification Training

Antalya Turkey
5-7 November 2019

The EWRS Education & Training Task Force is organizing a 3-day in-depth training course on herbicide resistance identification from 5 to 7 November 2019. The course is aimed at students, Ph.D. candidates and postdocs actively involved in research on herbicide resistance.

In this course, we will provide an overview of concepts and tools that can be used to identify resistant weed species and populations. More specifically, the focus of the course will be on:

1. Material collection & sampling design.
2. Test methodology (use of different test systems, use of reference populations, statistical analysis).
3. Results interpretation, conclusion & publication.
4. Mapping of monitoring data and databases.

The course will be completed by a half day field and greenhouse excursion. Aside from deepening your scientific knowledge, this course also offers an excellent opportunity to broaden your network and to interact with established herbicide resistance scientists. Additionally, students can be awarded 2 ECTS-credit points from Ondokuz Mayis University (Turkey) when successfully participating in the course.

Lecturers
- Dr. Deepak Kaundun (Syngenta, Jealott’s Hill International Research Centre, UK)
- Prof. Dr. Garifalia Economou-Antonaka (Agricultural University of Athens, Greece)
- Prof. Dr. Josef Soukup (Czech University of Life Science Prague, Czech)
- Prof. Dr. Hürev Mennan (Ondokuz Mayis University, Turkey)
- Dr. Lena Ulber (Julius-Kuehn Institut, Germany)
- Other lecturer to be announced

Venue
The course will take place at the Concorde de Luxe Hotel, Antalya (Turkey). The hotel is located 10 km from Antalya airport and can be easily reached with a 15-minute drive by taxi.

Course Organisers
- Prof. Dr. Hürev Mennan (Ondokuz Mayis University, Turkey)
- Prof. Dr. Garifalia Economou-Antonaka (Agricultural University of Athens, Greece)
- Dr. Willy Rueegg (Syngenta, Switzerland)
- Dr. Lena Ulber (Julius-Kuehn Institut, Germany)

Local Coordinator
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55139 SAMSUN, Turkey
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Accommodation
Accommodation is also offered in the Concorde de Luxe Hotel. Accommodation costs for 3 nights including all meals and beverages are kindly covered by the training course sponsor (Syngenta) for participants sharing a double room. For accommodation in a single room, participants will have to pay 40€/night additionally. If students are planning to stay an extra night before or after the event; the following special rates from Concorde de Luxe Hotel will apply (including all meals and beverages): Single room: 68€ / Double room: 80€ / Three bedroom: 108€.
**Fees and costs**
There is no fee to attend the course which will be limited to a maximum of 20 attendees. EWRS will offer travel grants for young scientists (i.e. Master-students, PhD-students and scientists younger than 35 years of age) consisting in a partial refund of their travel expenses. Travel grants can be applied for by sending an e-mail to Husrev Mennan (hmennan@omu.edu.tr) and Lena Ulber (lena.ulber@julius-kuehn.de) not later than 28 June 2019.

The maximum amount of the travel refund is €500. If the applicant is not an EWRS-member, an amount equal to the yearly EWRS fee (€30 for students and €60 for regular members) will be deducted from the subsidy, and the applicant will be enrolled in EWRS for a year. Applications for the travel grant need to include in their e-mail:
- A short motivation letter
- A brief curriculum vitae
- An estimate of the costs for accommodation (only if single room required) and travel
- A statement from the home institute that they will cover the remainder of the expenses for travel and accommodation, should the travel grant be awarded.

Successful applicants will be informed about the allocation of subsidy by the organizers in due time. The EWRS does not provide the subsidy in advance. Travel expenses will be reimbursed to subsidiaries by bank transfer after active participation in the workshop. Details on reimbursements and declaration forms will be provided later on by the EWRS Treasurer.

**Registration**
Please send your registration by e-mail to Husrev Mennan (hmennan@omu.edu.tr), copy to Lena Ulber (lena.ulber@julius-kuehn.de) until 28 June 2019 with the course application form attached you can download at [http://www.ewrs.org/doc/EWRS_training_Antalya_course_application.doc](http://www.ewrs.org/doc/EWRS_training_Antalya_course_application.doc). Participants applying for the travel grants should also attach the above-mentioned documents.

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**Next ANdina workshop in Europe**

Romania, June 2020

A number of EWRS members have been to the highly successful and provocative ANdina international workshops ([https://andinabbar.weebly.com/workshops.html](https://andinabbar.weebly.com/workshops.html)). In February 2020 we will meet in the Australian Alps to debate policy and procedural impediments to the achievement of broad-scale management of invasive species, while in June 2020 in Romania we will critique the fundamental approaches taken by ecologists. For more information, please contact Roger Cousens rcousens@unimelb.edu.au.

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**Upcoming Conferences and Workshops**

**International Conference on Biological Activities of Essential Oils**
Hôtel Dupanloup, Orleans, France
13-15 May 2019

**Economic of Weed Management - Principles and Practices**
Inter University Centre, Dubrovnik, Croatia
16 - 17 May 2019
estefanic@fazos.hr / www.iuc.hr
14TH IUPAC INTERNATIONAL CONGRESS OF CROP PROTECTION CHEMISTRY
Ghent, Belgium
19 – 24 May 2019
https://www.iupac2019.be

7TH MEETING OF THE EWRS WORKING GROUP "WEEDS AND BIODIVERSITY
University of Hohenheim in Stuttgart, Germany
17– 19 June 2019
https://www.wcpp2019.org/

WORLD CONGRESS ON PARASITIC PLANTS (WCPP)
Amsterdam, The Netherlands
30 June – 5 July 2019
https://www.wcpp2019.org/

JOINT WORKSHOP EWRS WORKING GROUPS "OPTIMIZING HERBICIDE USE IN AN IWM CONTEXT" AND "HERBICIDE TOLERANT VARIETIES
Thessaloniki, Greece
4-6 July 2019
d.chachalis@bpi.gr

ADVANCED WORKSHOP ON WEED MAPPING AS A TOOL IN PLANT ECOLOGY AND WEED MANAGEMENT
Mediterranean Agronomic Institute of Chania, Crete, Greece
16 – 18 September 2019
www.ewrs.org/weed_mapping.asp

EWRS EDUCATION & TRAINING: HERBICIDE RESISTANCE IDENTIFICATION TRAINING
Antalya Turkey
5-7 November 2019
hmennan@omu.edu.tr / lena.ulber@julius-kuehn.de

XIX INTERNATIONAL PLANT PROTECTION CONGRESS - 2019
Hyderabad, India
10 – 14 November 2019
https://www.plantprotection.org/Meetings/InternationalCongress%28IPPC%29/XIXIPPC,Hyderabad,1014November2019.a spx

24TH COLUMA CONFERENCE
Orléans, France
3 -5 December 2019
http://www.vegephyi.fr/

60TH ANNUAL MEETING OF THE WEED SCIENCE SOCIETY OF AMERICA (WSSA) AND THE 73RD ANNUAL MEETING OF THE WESTERN SOCIETY OF WEED SCIENCE (WSWS)
Hyatt Regency in Lahaina, Maui

ANdINA WORKSHOP IN EUROPE
Romania
June 2020
https://andinabbar.weebly.com/workshops.html

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**Editorial**

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**INSTRUCTIONS FOR CONTRIBUTORS**

**Deadline for contributions to be published in the following Newsletter issue: 1 July 2019**

**Questions**

If you have any problems in writing or formatting your article, please do not hesitate to contact me. I’ll be happy to assist you. As Technical Editor of the Newsletter, I prepare the final layout of the Newsletter prior to publishing. You can contact me by sending an E-mail to camilla.moonen@santannapisa.it or by calling me at +39 050 883567. I’m looking forward to receiving your contributions.

**CHARGES FOR JOB ADVERTISING IN THE NEWSLETTER**

- Job advertisements are free of charge for EWRS members from public research and education institutions.
- The rate for a job advertisement from private enterprises is € 100 page. Reductions can be negotiated with the Newsletter editor for half page adverts.

Publication of a job advertisement on a special page of the EWRS website http:\\www.ewrs.org will be charged € 300 per advert.

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