

APRIL 2019, 5TH ISSUE

# PLASTICS HERITAGE EUROPEAN ASSOCIATION

The Quarterly Plastics Heritage European Association Newsletter

Editors: Sofia Rodrigues and Maria Elvira Callapez



1958 - First plastic piece produced by Janz



"K 1340" children's chair, design by  
Marco Zanuso and Richard  
Sapper, Kartell, 1964  
Photo by Santi Caleca, 2011

**PHEA**

**O TRIUNFO  
DA BAQUELITE**  
CONTRIBUÍDOS PARA UMA HISTÓRIA DOS PLÁSTICOS EM PORTUGAL

# EDITORIAL

Dear Colleagues,

It is with great pleasure that we address you once again. Firstly, we would like to thank you for the positive feedback on our upcoming congress. As you know, the Plastics Heritage Congress: History, Limits and Possibilities is taking place between the 29th and the 31st of May 2019, in Lisbon, Portugal, and we are happy to share that we have received a significant number of applications.

The Congress presents a very promising program, covering the truly outstanding proposals which have reached us. Amongst the various activities planned, it is worth highlighting the presence of Hugh Karraker, great grandson of Leo Baekeland, who will be presenting the film All Things Bakelite: The Age of Plastic.

Also, a visit to the recently inaugurated exhibition Plasticity, in Leiria, Portugal, is projected. The inauguration was met with great success and the exhibition received very positive reactions from both the approximately 400 attendees and local and national media outlets.

The PHEA will also be present in this Congress. A PHEA Poster Award will be given to first, second and third-place winners of the poster presentation sessions. The awards consist of, respectively, 400€, 300€, 200€.

If you wish to take part in the event, make sure to enroll until the 30th April. For more information please visit:  
<http://plasticsheritage2019.ciuhct.org>

Furthermore, let us also not forget about the Young Hipom Professionals (Yhip 2019) Summer School/Research Seminar, taking place just before the Congress, at FCT NOVA, Campus Caparica, Portugal, on 27th and 28th May 2019.

We hope you find the chance to attend these events which are of great importance to the PHEA community. If that is the case, we warmly welcome you to Lisbon and wish you a very enjoyable stay.

Lastly, in the spirit of the festive season, we hope you spend the best of holidays.

Kind regards,  
Maria Elvira Callapez  
Sofia Rodrigues

To all PHEA members:

- 1) During our first meeting in Brussels, we have decided to publish the PHEA-Newsletter.
- 2) In a future PHEA web page we would like to publish e.g. photos of the formation meeting in Brussels and of e.g. future Plastics Heritage Conferences.

If you do not explicitly contradict, you agree that you want to be in the PHEA mailing list, to obtain the PHEA-information and to publish from PHEA events photos including your person.

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## WE WOULD LIKE YOUR CONTRIBUTION

If you have any suggestion or recommendation, do not hesitate to contact us at [mariaelvira.callapez@gmail.com](mailto:mariaelvira.callapez@gmail.com) (Maria Elvira Callapez) and [sofia.pinto.rod@gmail.com](mailto:sofia.pinto.rod@gmail.com) (Sofia Rodrigues)

# WATER METERS/



*First plastic water meter produced by Janz (1958)*



*JV600 - Water Meter Janz (current aspect)*

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# CONFERENCES AND SEMINARS

## International Congress on the History of Science in Education

30 May – 1 June 2019  
Vila Real, Portugal  
[See more](#)

## Annual Universeum Conference

18 – 21 June 2019  
Brno, Czech Republic  
[See more](#)

## First International Conference on "Bridging the Philosophies of Biology and Chemistry"

25 – 27 June 2019  
University of Paris Diderot,  
France  
[See more](#)

## The International Committee for the History of Technology's - 46th Symposium

22 – 27 July 2019  
Katowice, Poland  
[See more](#)

## XXI Mendeleev Congress On General and Applied Chemistry

10 – 13 September 2019  
St. Petersburg, Russia  
[See more](#)

## Political Ecologies of the Far Right Conference

15 – 17 November 2019  
Lund University, Sweden  
[See more](#)

# EXHIBITIONS AND FAIRS

## The Art Side of Kartell

10th April – 12th May 2019  
Palazzo Reale, Milan, Italy  
[See more](#)



## Plasticidade - Uma História dos Plásticos em Portugal

April 2019- December 2020  
Museu de Leiria, Leiria, Portugal  
[See more](#)

# PAST EVENTS

## NEW BIODIVERSITY Carolien Adriaansche

December 2018-  
January 2019

Museu Nacional de  
História Natural e da  
Ciência, Portugal  
[See more](#)

## PLASTIC VANITAS Mariele Neudecker

14th February 2019 -  
6th April 2019

in camera galerie,  
Paris, France  
[See more](#)

## Lecture by Raquel Gonçalves-Maia

10th April 2019

FCUL, Lisbon,  
Portugal  
[See more](#)

# OTHER INITIATIVES

## EU Sustainable Energy Week (EUSEW) 2019

17 – 21 June 2019  
Brussels, Belgium  
[See more](#)

## Summer school: Microbiota, Symbiosis, and Individuality: Conceptual and Philosophical Issues

1 – 5 July 2019  
Biarritz, France  
[See more](#)

## 'Collections, Non-collections and Ecosystems: Case notes on photographic cultures in the Museum'

Lecture  
4 July 2019  
Dana Studio, Science Museum  
[See more](#)

## International Society for the History Philosophy and Social Studies of Biology biennial meeting

7 – 12 July 2019  
Oslo, Norway  
[See more](#)

## Ciência 2019

8 – 10 July 2019  
Lisbon, Portugal  
[See more](#)

## Narrative Science In Techno-Environments: Integrating History Of Science With Environmental History And Humanities Workshop

18 – 19 July 2019  
London, UK  
[See more](#)

## ICOHTEC Summer School of 2019 - Technology and Power

18 – 22 July 2019  
Katowice, Poland  
[See more](#)

## de afvaljuf Workshops

[See more](#)

## The Gazette

Society for the Social History of Medicine  
[See more](#)

## Journal for the History of Knowledge

[See more](#)

## Bulletin For The History Of Chemistry

[See more](#)

All Things Bakelite: The Age of Plastics – Newsletter Spring 2019

[See more](#)

Tech Transfer Plastics for Future

TV series  
RTP and PIEP

[See more](#)

The National  
April 1, 2019 issue

[See more](#)

***Thesis: Identification of plastic objects by DRIFT in situ - A contribution to the conservation sciences and to the history of plastics technology in Portugal***  
by Inês Soares

Based on plastic objects, from a private collection, the present work aims at studying them as material testimonies of the technical history of the Portuguese industry. The presence of these materials as increased in the museum collections, raising new challenges for the conservation field, especially due to the intrinsic instability of some plastics. Thus, knowing their chemical nature is of primary importance for their preservation. In this way, this research also studies the potential of using in situ diffuse reflectance infrared Fourier transform spectroscopy (DRIFT) as an alternative for the identification of plastic objects.

[See more](#)

International Year of the Periodic Table 2019

[See more](#)

Joana Vasconcelos,  
Coração Independente  
Vermelho, 2005

[See more](#)

Statista - The Countries  
Polluting The Oceans The  
Most

[See more](#)

# NEWS

## *European parliament votes to ban single-use plastics*

Vote by MEPs paves way for law to come into force by 2021 across EU

[See more](#)

## *Adidas introduces fully recyclable running shoe*

Shoe and sportswear giant Adidas AG is unveiling a new way for its customers to do running repeats, unveiling what it says is the first 100 percent recyclable running shoe.

[See more](#)

## *The History of plastics in Portugal is told in an exhibition at the Museu de Leiria*

The history of plastic in Portugal is told by the Museum of Leiria starting from Saturday in the exhibition "Plasticity", which shows how the material radically transformed the daily life of the national population in the last century.

[See more](#)

## *Plastic bag bans are spreading. But are they truly effective?*

Vote by MEPs paves way for law to come into force by 2021 across EU

[See more](#)

## *The beauty industry generates a lot of plastic waste. Can it change?*

Shampoo, lotion, deodorant: They all come swathed in plastic. But some companies are trying to change that.

[See more](#)

## *#Trashtag: The online challenge cleaning places up*

It's not often that a viral hashtag on social media goes, well, beyond social media.

[See more](#)



# ARTICLES

## ***An overview of the problems posed by plastic products and the role of extended producer responsibility in Europe***

Leal Filho, W., Saari, U., Fedoruk, M., Iital, A., Moora, H., Klöga, M., & Voronova, V. (2019). An overview of the problems posed by plastic products and the role of extended producer responsibility in Europe. *Journal of Cleaner Production*, 550-558.

[See more](#)

## ***Three-dimensionally printed designable joint for carbon fibre reinforced plastics***

Koga, Y., & Todoroki, A. (2019). Three-dimensionally printed designable joint for carbon fibre reinforced plastics. *Advanced Composite Materials*, 147-161.

[See more](#)

## ***Need a bag? A review of public policies on plastic carrier bags – Where, how and to what effect?***

Nielsen, T. D., Holmberg, K., & Stripple, J. (2019). Need a bag? A review of public policies on plastic carrier bags – Where, how and to what effect? *Waste Management*, 428-440.

[See more](#)

## ***Effects of plastic mulching and plastic residue on agricultural production: A meta-analysis***

Gao, H., Yan, C., Liu, Q., Ding, W., Chen, B., & Li, Z. (2019). Effects of plastic mulching and plastic residue on agricultural production: A meta-analysis. *Science of The Total Environment*, 484-492.

[See more](#)

## ***Plastic ingestion in aquatic birds in Portugal***

Basto, M. N., Nicastro, K. R., Tavares, A. I., McQuaid, C. D., Casero, M., Azevedo, F., & Zardi, G. I. (2019). Plastic ingestion in aquatic birds in Portugal. *Marine Pollution Bulletin*, 19-24.

[See more](#)

## ***Smells good enough to eat: Dimethyl sulfide (DMS) enhances copepod ingestion of microplastics -***

Procter, J., Hopkins, F. E., Fileman, E. S., & Lindeque, P. K. (2019). Smells good enough to eat: Dimethyl sulfide (DMS) enhances copepod ingestion of microplastics. *Marine Pollution Bulletin*, 1-6.

[See more](#)

# BOOKS

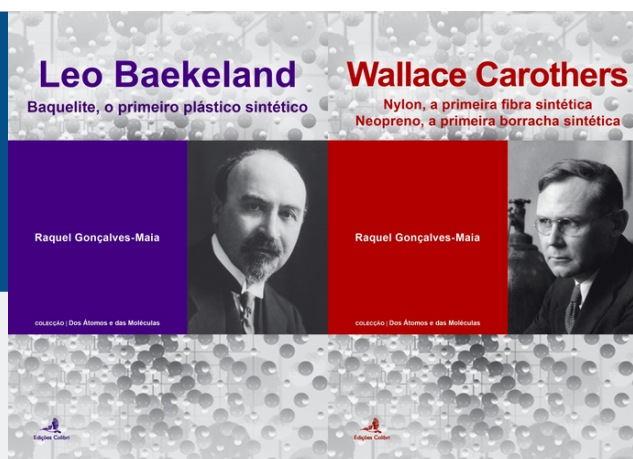
## *Being Modern: The Cultural Impact of Science in the Early Twentieth Century*

*Edited by Robert Bud, Paul Greenhalgh, Frank James, and Morag Shiach*

In the early decades of the twentieth century, engagement with science was commonly used as an emblem of modernity. This phenomenon is now attracting increasing attention in different historical specialties. *Being Modern* builds on this recent scholarly interest to explore engagement with science across culture from the end of the nineteenth century to approximately 1940.

Addressing the breadth of cultural forms in Britain and the western world from the architecture of Le Corbusier to working class British science fiction, *Being Modern* paints a rich picture. Seventeen distinguished contributors from a range of fields including the cultural study of science and technology, art and architecture, English culture and literature examine the issues involved. The book will be a valuable resource for students, and a spur to scholars to further examination of culture as an interconnected web of which science is a critical part, and to supersede such tired formulations as 'Science and culture'.

[See more](#)



## *Leo Baekeland: baquelite, o primeiro plástico sintético*

*Raquel Gonçalves-Maia*

Language: Portuguese

Topic: Chemistry

Publisher: Colibri

Year: 2019

ISBN: 9789896898250

[See more](#)

## *Wallace Carothers: Nylon, a primeira fibra sintética, Neopreno, a primeira borracha sintética*

*Raquel Gonçalves-Maia*

Language: Portuguese

Topic: Chemistry

Publisher: Colibri

Year: 2019

ISBN: 9789896898267

[See more](#)

# PRIZES

## THE DIBNER AWARD



The Dibner Award for Excellence in Museum Exhibits was established in 1985, through the generosity of Bern Dibner, to recognize excellence in museums and museum exhibits that interpret the history of technology, industry, and engineering to the general public.

Winning exhibits, in addition to being well designed and produced, should raise pertinent historical issues. Artifacts and images should be used in a manner that interests, teaches, and stimulates both the general public and historians. The award consists of a plaque and up to \$1,000 to cover expenses for a member of the design team to accept the award at the SHOT awards banquet.

Exhibits are eligible for this award if they have been open to the public for no more than 24 months before the deadline for nominations.

The Society especially encourages nominations from local and regional historical societies. Virtual exhibits are not eligible for the award.

Anyone, including the institution or individual responsible for its creation, may nominate an exhibit for the Dibner Award, using the nomination form available here as a PDF or Word document. The completed nomination form should be e-mailed to each member of the Dibner Committee. Deadline for nominations for the 2019 prize is **1 May 2019**, except in the case of traveling and short-term exhibits that close before that date or in the two months that follow; in those cases, nominators must submit their documents to the committee at least two months in advance of the exhibit's closing date. Nomination documents may not under any circumstances exceed 1 MB or contain anything other than text and static images.

After reviewing nominations, the committee will choose a short list of finalists, giving sole consideration to the evaluation documents submitted. The committee will then arrange for a "live" reviewer to visit each of the short-listed exhibits and write a report. Normally the chair will draw upon recommendations for live reviewers made by the nominator in the nomination document, although s/he may use her/his judgment to assign alternative reviewers as needed, including members of the committee.

For more information, please contact the committee chair or Jan Korsten, SHOT Secretary, [SHOT.Secretariaat@tue.nl](mailto:SHOT.Secretariaat@tue.nl).

[See more](#)

# SOCIETY FOR THE HISTORY OF ALCHEMY AND CHEMISTRY AWARD SCHEME 2019

Opening date: 1 March 2019

Closing date for applications: **31 May 2019**

The Society for the History of Alchemy and Chemistry invites applications for its Award Scheme for 2019. SHAC offers two types of award: support for research into the history of chemistry or history of alchemy by New Scholars and support for Subject Development of either history of chemistry or history of alchemy. It is expected that applicants will be advised of the outcome of their application by 31 July 2019. The Awards are most suitable for activities to be undertaken in the academic year October 2019–September 2020.

New Scholars Awards are open to post-graduate students (both masters and doctoral students) and those who have obtained a PhD since 1 January 2014. Awards of up to £750 will be made to cover research expenses, including travel, accommodation, the reproduction of documents, and library fees. Applications may also include the costs of reproducing images for publication. The Scheme does not fund the purchase of equipment or course fees. It does not cover the costs of Open Access publication.

In addition, post-graduate students only may apply for the costs of travel to conferences and accommodation, but only in order to give a paper. The Scheme does not pay conference registration fees.

Subject Development Awards of up to £750 may be made to support activities such as seminars, workshops, colloquia, lecture series, conference sessions, conferences, exhibitions and outreach activities that support either the history of chemistry or



history of alchemy as academic subjects. The Awards do not cover the costs of refreshments or catering for these events. The Scheme does not cover the costs of Open Access publication.

Please note that activities covered by the Awards do not have to occur in the UK, and that the Awards are open to members of the Society resident both in the UK and elsewhere. Members who have applied to the Scheme in previous years, whether successfully or not, are entitled to make an application in 2019.

Applicants must be members of the Society in good standing at the time of making an application, and, if successful, throughout the period of an award. For more information and application forms, please contact [grants@ambix.org](mailto:grants@ambix.org). Membership enquiries should be made to [newjoiner@ambix.org](mailto:newjoiner@ambix.org) or visit [www.ambix.org/grants](http://www.ambix.org/grants)

An activity report must be submitted at the end of the Award. This will usually be published in SHAC's Chemical Intelligence newsletter.

**See more**

# JOBS

## RECRUITING TWO MATERNITY COVER JOB ROLES IN CITIZEN SCIENCE (LONDON-BASED)

The Natural History Museum is recruiting two maternity cover posts in our Citizen Science Programme team, deadline Wednesday **24th April 2019**. Please share amongst your networks...

**Citizen Science Manager:** We're looking for someone with extensive experience in citizen science, ideally with a science background, experience of managing projects and staff, developing new citizen science projects, writing grants, and assessing the outcomes and impacts of participating in citizen science. 13 month, full time maternity cover post. £36,424 per annum plus benefits.

Further details: [https://careers.nhm.ac.uk/templates/CIPHR/jobdetail\\_1699.aspx](https://careers.nhm.ac.uk/templates/CIPHR/jobdetail_1699.aspx)

**Project Coordinator:** LEARN CitSci Three day a week role coordinating the international LEARN CitSci research project, which studies the learning processes and outcomes of participating in citizen science for young people aged 5-19 years. This role provides project management, coordination and communications support across the partnership. 15 month, 21.6 hours per week maternity cover post. £28,735 pro rata plus benefits.

Further details: [https://careers.nhm.ac.uk/templates/CIPHR/jobdetail\\_1700.aspx](https://careers.nhm.ac.uk/templates/CIPHR/jobdetail_1700.aspx)

# CALL FOR PAPERS

## POLITICAL ECOLOGIES OF THE FAR RIGHT CONFERENCE

Lund University, 15-17 November 2019  
[www.pefr.hek.lu.se](http://www.pefr.hek.lu.se)

An interdisciplinary academic-activist conference organized by the Human Ecology Division at Lund University in collaboration with CEFORCED at Chalmers University

Far-right political parties, ideologies and social movements are increasingly exercising influence across the world. At the same time, ecological issues, such as climate change, deforestation, land use change, biodiversity loss, and toxic waste are intensifying in their urgency. What happens when the two phenomena meet? How, when and why do they intersect? How are party and non-party sectors of the far right mobilizing ecological issues and discourses to their advantage, whether through championing or rejecting environmentalist claims? What are the ecological underpinnings of far-right politics today? This understudied topic forms the basis of this interdisciplinary conference on the political ecologies of the far right.

From Trump and Bolsonaro to the Sweden Democrats and AfD, a radical anti-environmentalism is most often championed by the contemporary far right. This stance resonates with a conspiratorial suspicion of the state, science, elites, globalism, and supposed processes of moral, cultural and social decay. This is most clearly pronounced in climate change denialism and defense of fossil fuels, which have undergone a global resurgence in recent years. But the same position is also articulated in, for example, anti-vegetarianism or opposition to renewables. How can we understand the causes of far right rejection of environmentalism and environmental concerns where it occurs? What broader ideologies, interests, psychologies, histories, narratives and perceptions does it reflect? What might the implications be for ecological futures if far-right parties continue to amass power? How can the climate justice and other environmental movements and anti-racist, anti-fascist activism converge and collaborate?

On the other hand, it is an inconvenient truth that there is a long-standing shadowy legacy of genealogical connections between environmental concern and far-right thought, from links between conservation and eugenics in the early national parks movement in the US, to dark green currents within Nazism. Hostility to immigration informed by Malthusian thinking and regressive forms of patriotic localism have often surfaced in Western environmentalism. Today, the mainstream environmental movement is more usually aligned with leftist, progressive policies, yet the conservative streak that always lies dormant in overly romanticized conceptions of landscape and nature, or fears about over-population, lie ripe for mobilization in new unholy alliances between green and xenophobic, nativist ideologies. In what forms does this nexus appear around the world today and with what possible consequences? What frames, linkages and concerns are central to eco-right narratives? How can environmental thinking ward off the specter of green nationalism?

### **How to apply:**

The conference aims to bring together not only scholars working at the interface of political ecology and far right studies but also activists from environmental, anti-fascist and anti-racist organizations and movements. We believe there is still much work to do to bring together these often separate strands of scholar and activist work together, and much opportunity for collaboration, mutual learning, and networking. This conference aims to hold a space for such engagement.

**Scholars:** We welcome contributions from all disciplines (geography, anthropology, sociology, history, literature, political science, cultural studies, sustainability studies, STS, philosophy, art history, media studies, communication studies, et cetera). Apart from individual papers, we also welcome suggestions for panels and workshops.

**Activists:** At least one day of the conference (Sunday - TBC) will focus on activist practices, with an emphasis on sharing and developing ideas and synergies between green and anti-fascist thinking and working, and on ways to collectively prevent a scenario of 'ecological crisis meets fascist populism'. We invite activist groups and individuals to submit proposals for workshops, discussions, and presentations.

In line with recent calls for radical emissions reductions at Swedish universities, we encourage prospective participants to consider other travel options than aviation if possible. We are also open to presentations via video link.

**Submission of abstracts:** Please send abstracts (max. 350 words) to [pefr@hek.lu.se](mailto:pefr@hek.lu.se) by Thursday **16th May**. There are a limited number of travel bursaries available (we will prefer non-aviation means where possible) for those who are most in need of support. Please indicate in your application whether you would like to be considered.

Possible topics include but are not limited to:

- climate denialism/climate change, fossil fuels and the far right
- anti-environmentalism of far right
- linking environmental, anti-fascist, anti-racist activism and social movements
- 'cultural marxism', conspiracy theories and the environment
- gender, sexuality, the far right and environment (eco, hegemonic or industrial masculinities, anti-feminism, normative heterosexuality, patriarchy)
- renewable energy, vegan/vegetarianism, animal rights, agriculture, toxic waste, land use change, biodiversity extinction, pollution etc and the far right
- environmental science, epistemology and the far right
- racism, xenophobia, nature, conservation, ecology, wilderness and far right
- whiteness as/and 'endangered' species
- scenarios of a far-right ecological future
- religion, ecology and the far right
- populism, authoritarianism, neoliberalism, alt-right, far right
- greenwashing, industry links, capital and funding for the far right and links with environmental issues
- far right narratives on development, progress, and futures and their ecological conceptualization
- environmental history of green ideas in far right politics
- dark green histories and genealogies of environmentalism
- infiltrations of and unhappy alliances between the contemporary far right and environmentalists
- ecofascism, bio-nazism, green nationalism
- psychologies, affects, emotions, private lives of the ecologies of the far right
- historical legacies of ecologically unequal exchange and racial capitalism

**See more**