

# PPC The International Edition CHEM POWER PLANT CHEMISTRY®

The Journal of All Power Plant Chemistry Areas

## Call for Papers / Guidelines for the Authors

Edition 2018/2019

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### PowerPlant Chemistry®

is an international scientific and technical journal for users in the entire power generation market. The first copy of this journal appeared in July 1999. Initially PowerPlant Chemistry® was issued monthly. Since 2013 it has been published 6 times a year.

### Power Plant Chemistry

is one of the fields which have consistently been involved in efforts to increase the reliability, availability, economic viability, and safety of power generation, as well as to reduce any negative environmental effects of power generation.

Waesseri GmbH  
P.O. Box 433  
8340 Hinwil  
Switzerland

## INTRODUCTION

PowerPlant Chemistry® covers all aspects of power plant chemistry. Some examples in alphabetical order:

Analytics, Chemical Cleaning, Chemical Thermodynamics, Component Failures, Condensate Polishing, Cooling Water, Corrosion, Cycle Chemistry Guidelines, Cycling & Peaking, Deaeration, DeNOx and DeSOx Processes, Deposition, Flue Gas Cleaning, Fly Ash, Instrumentation, Layup, Physical Chemistry, Plant Cycle Chemistry, Sampling, Startup, Steam Chemistry, Troubleshooting, Wastewater Treatment, Water Treatment, and all other power plant chemistry-related topics.

PowerPlant Chemistry® is also interested in releases on new products, techniques, procedures, etc. Printing of releases is free for current advertisers (on a space available basis). Other parties: Please refer to the Advertisement Rate Table in our Media Information.

## PAPER SUBMISSION

All papers presented to PowerPlant Chemistry® must be submitted in English, exclusively in electronic format. Please also submit a PDF file of your paper for comparison.

Please prepare papers for submission according to the following format specifications:

Paper size:	A4 or US Letter
Columns:	Single-columned
Margins:	2 cm or 0.8 inch
Font:	Arial
Font size:	12 pt
Line spacing:	Single-spaced (1)
Paragraphs:	A single line between paragraphs, no indentation
Section headings:	Principle subhead (first level): Bold, upper case Second level: Bold, headline-style capitalization Third level: Bold, run into the paragraph
Footnotes:	Please avoid using footnotes.

The submission of a paper does not guarantee publication. All materials sent to PowerPlant Chemistry® may be subject to editing.

## PAPER REVIEW

At least one internationally recognized expert active in the area covered by the submitted scientific and technical paper will peer review the submitted paper. The reviewer's (reviewers') comments will be anonymously passed on to

the author (main author). The author may decide whether he or she wants to improve his or her paper in accordance with the reviewer's (reviewers') recommendations.

Waesseri GmbH reserves the right to refuse the publication of papers that have not been improved or whose refusal has been recommended by the reviewer(s).

Reports on utility experience are, as a rule, not subject to external reviews.

## COPYRIGHT

Waesseri GmbH must receive a signed publishing license agreement before the paper can be accepted for publication in the PowerPlant Chemistry® journal.

## TEXT

### Spelling

Spelling should be either consistently American or consistently British. Uppercase letters should only be used at the beginning of proper nouns. Abbreviations should only be used if very necessary – as with a long word combination like heat recovery steam generator (HRSG) – and should be explained with the first use.

### Author's (Authors') Names

Use the full names of all authors, e.g., Kevin C. Miller, Karl-Heinz Strassenhauer, etc.

### Title of the Paper

Do not use very long titles. The maximum length of the title is twelve words.

### Abstract

An abstract of the paper summarizing the topic and conclusions (150 words maximum) appears at the beginning of the paper and on our homepage.

### Units

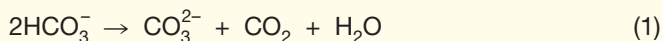
All units used must be SI units; the latest rules of IUPAP, IUPAC, ISO, etc. should be followed. The use of other units is only possible as supplemental information and must be written in parentheses following the correct SI term.

### Mathematical and Chemical Equations

All equations used should be clear and understandable. They should be positioned on a separate line in the text and numbered. All symbols used should be explained in plain-text. In papers which contain more than 10 different symbols a separate list of notation defining all symbols used should appear at the beginning of the paper.

Example:

Thermal decomposition of hydrogen carbonate ions and carbonate ions according to Eqs. (1) and (2), respectively, results in the formation of carbon dioxide (CO<sub>2</sub>):



## FIGURES

Figures (drawings, graphs, and photographs) can either be reproduced in color (four color offset printing process) or in black and white.

All figures should be submitted in separate \*.TIF or \*.JPG files. Figures embedded in PDF, Excel, or PowerPoint files are also acceptable.

The minimum width for any submitted figure is 8.65 cm; photographs additionally must have adequate resolution (300 dpi).

Do not include too many details in a single figure. In tables, all columns have to include a column heading and units.

The captions of all figures should be included on a separate page at the end of the text.

## REFERENCES

All references must be complete and conform to the following examples. The references must be mentioned in the text or in the figure captions using square brackets with the reference number.

Examples:

All relevant information on underdeposit boiler tube failure mechanisms is summarized in [14].

Figure 4:

Dissolved iron, chromium and nickel concentrations during the trial plant cleaning [15].

### Books

Author's surname, initials, *Title of the Book* (in italics), **year** (in bold). Publisher, city, state, country of publication.

Examples:

- [1] Simkine, V., Vance, C. P., *Physical Chemistry*, **1999**. United Publishers, Hockenheim, Germany.

- [2] Miller, S., Hooper, G., *Heat Recovery Steam Generators*, **2000**. Associated Press, Auckland, New Zealand.

### Periodicals

Author's surname, initials, *Journal* (in italics) **year** (in bold), volume(issue), page (the first page of the article).

Examples:

- [3] Dooley, B., McNaughton, W. P., *PowerPlant Chemistry* **2000**, 2(12), 709.
- [4] Martynova, O. I., Mamet, V. A., Petrova, T. I., Samoilov, Yu. F., *Thermal Engineering* **1976**, 23(3), 43.

### Conference Proceedings

Author's surname, initials, *Proc.*, *Title of the Conference* (in italics), **year** (in bold) (venue/city, state, country). Conference organizer, city, state, country, order number, page (the first page of the paper).

Examples:

- [5] Juergensen, M., Sommer, D., Stellwag, B., *Proc., International Conference on Water Chemistry of Nuclear Reactor Systems 8*, **2000** (Bournemouth, United Kingdom). British Nuclear Energy Society, London, United Kingdom, 34.
- [6] Dooley, R. B., Pate, R., *Proc., Fourth International Conference on Cycle Chemistry in Fossil Boilers*, **1994** (Atlanta, GA, USA). Electric Power Research Institute, Palo Alto, CA, USA, EPRI TR-104502, I-1.

### Articles in Books or Edited Proceedings

Author's surname, initials, *Title of the Book* (in italics) or *Proc.*, *Title of the Conference* (in italics) (*Eds.: initials surname*) (in italics), **year** (in bold). Publisher, city, state, country of publication, order number, page (the first page of the paper).

Examples:

- [7] Simonson, J. M., Palmer, D. A., *Interaction of Iron-Based Materials with Water and Steam* (*Eds.: B. Dooley, A. Bursik*), **1992**. Electric Power Research Institute, Palo Alto, CA, USA, EPRI TR-102101, 4-1.
- [8] Petr, V., Kolovratník, M., *Physical Chemistry of Aqueous Systems: Meeting the Needs of Industry* (*Eds.: H. J. White, Jr., J. V. Sengers, D. B. Neumann, J. C. Bellows*), **1995**. Begell House, New York, NY, USA, 703.

**Technical Reports**

*Title of the Report* (in italics), **year** (in bold). Organization, city, state, country, order number.

Example:

- [9] *PWR Primary Water Chemistry Guidelines, Revision 4*, **1999**. Electric Power Research Institute, Palo Alto, CA, USA, EPRI TR-05714, V1.

**Ph.D. Thesis**

Author's surname, initials, *Title of the Thesis* (in italics), **year** (in bold). Ph.D. Thesis, University, city, state, country.

Example:

- [10] Chempik, E., *Detailed Study of Surface Active Substance Effect on Power and Structural Parameters of Wet Steam Turbines and Behavior of Major Steam-Water Equipment*, **1980**. Ph.D. Thesis, Moscow Power Institute, Moscow, USSR.

**Online Sources**

Author's surname, initials, *Title of the Article/Document* (in italics), **year** (in bold). Organization, order number. Available from URL.

Example:

- [11] Storm, R. F., *Typical Causes of Slagging and Fouling Problems in Boilers*, **2015**. Available from <http://www.powermag.com>.
- [12] Barton, N. A., *Erosion in Elbows in Hydrocarbon Production Systems: Review Document*, **2003**. Available from <http://www.hse.gov.uk>.
- [13] *Technical Guidance Document: Steam Purity for Turbine Operation*, **2013**. International Association for the Properties of Water and Steam, IAPWS TGD5-13. Available from <http://www.iapws.org>.

**Patents**

Inventor's surname, initials, *Title of the Patent* (in italics), **year** (in bold). Patent office, Publication number.

Example:

- [14] Lok, G. W., Peters, S., Olivier, G. A., *Measurement of the Cation Conductivity of Water*, **1998**. United States Patent and Trademark Office, US 6017445 A.

**Private Communication**

Person's full name (affiliation), **year** (in bold).

Example:

- [15] John W. Brown (PowerPlant Chemistry GmbH, Neulussheim, Germany), **1999**.

**Multiple Reference**

- [16] Bellows, J. C., *Proc., 76th International Water Conference*, **2015** (Orlando, FL, USA). Engineers' Society of Western Pennsylvania, Pittsburgh, PA, USA, IWC 15-25.

Also published in: *PowerPlant Chemistry* **2016**, 18(4), 184.

**Presentations Not Published in Conference Proceedings**

Author's surname, initials, "Title of the Presentation", *presented at Title of the Conference* (in italics), **year** (in bold) (venue/city, state, country). Conference organizer, city, state, country.

Example:

- [17] Post, R., Buecker, B., Shulder, S., "Power Plant Cooling Water Fundamentals", *presented at the 37th Annual Electric Utility Chemistry Workshop*, **2017** (Champaign, IL, USA). University of Illinois at Urbana-Champaign, Champaign, IL, USA.

**BIOGRAPHIES**

Biographies of all authors appear at the end of the text. The biography should start with the full name of the respective author and his or her academic qualifications.

Example:

**John B. Smith** (B.S., Applied Chemistry, University of Auckland, New Zealand, Ph.D., Physical Chemistry, University of Glasgow, Scotland) is...

The maximum length of a biography is 100 words.

**CORRESPONDING AUTHOR**

Each paper closes with a complete mailing and E-mail address of the author who is responsible for correspondence from and to our readers.

**WHERE TO SUBMIT**

Mailing addresses for your submissions:

E-mail: [tapio.werder@waesseri.com](mailto:tapio.werder@waesseri.com)

Postal address:

Waesseri GmbH  
PO Box 433  
8340 Hinwil  
Switzerland

Courier mailing:

Waesseri GmbH  
Studbachstrasse 13  
8340 Hinwil  
Switzerland

# PowerPlant Chemistry® Editorial Schedule 2018/2019

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**PowerPlant Chemistry 2018, 20(5)**

Call for papers closing: 20.08.2018  
Editorial deadline: 21.09.2018  
Printing date: End of September  
Mailing date: Beginning of October

**PowerPlant Chemistry 2018, 20(6)**

Call for papers closing: 22.10.2018  
Editorial deadline: 23.11.2018  
Printing date: End of November  
Mailing date: Beginning of December

**PowerPlant Chemistry 2019, 21(1)**

Call for papers closing: 03.12.2018  
Editorial deadline: 18.01.2019  
Printing date: End of January  
Mailing date: Beginning of February

**PowerPlant Chemistry 2019, 21(2)**

Call for papers closing: 18.02.2019  
Editorial deadline: 22.03.2019  
Printing date: End of March  
Mailing date: Middle of April

**PowerPlant Chemistry 2019, 21(3)**

Call for papers closing: 23.04.2019  
Editorial deadline: 24.05.2019  
Printing date: End of May  
Mailing date: Beginning of June

**PowerPlant Chemistry 2019, 21(4)**

Call for papers closing: 08.07.2019  
Editorial deadline: 09.08.2019  
Printing date: Middle of August  
Mailing date: End of August

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**Explanation:****Call for papers closing:**

By the date stated for each issue, we should at least have a first draft of the paper to send to our reviewers.

**Editorial deadline:**

By the date stated for each issue, the paper should have its final form and be released by the author and the editorial team in Hinwil.

**Printing date:**

After this date, changes can no longer be made because the new issue is being printed.

**Mailing date:**

The new issue is sent to our readers.

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