

# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS  
Ramon M. Barnes, *Editor*

**Volume 42, 2016-2017**  
**ICP Information Newsletter Digital**

**2016/2017 CD Edition**

- |                    |  |
|--------------------|--|
| <b>1 - 136</b>     | <b>Volume 42, Number 1, June 2016</b>      |
| <b>137 - 262</b>   | <b>Volume 42, Number 2, July 2016</b>      |
| <b>263 - 420</b>   | <b>Volume 42, Number 3, August 2016</b>    |
| <b>421 - 562</b>   | <b>Volume 42, Number 4, September 2016</b> |
| <b>563 - 726</b>   | <b>Volume 42, Number 5, October 2016</b>   |
| <b>727 - 878</b>   | <b>Volume 42, Number 6, November 2016</b>  |
| <b>879 - 1018</b>  | <b>Volume 42, Number 7, December 2016</b>  |
| <b>1019 - 1180</b> | <b>Volume 42, Number 8, January 2017</b>   |
| <b>1181 - 1318</b> | <b>Volume 42, Number 9, February 2017</b>  |
| <b>1319 - 1480</b> | <b>Volume 42, Number 10, March 2017</b>    |
| <b>1481 - 1682</b> | <b>Volume 42, Number 11, April 2017</b>    |
| <b>1683 - 1802</b> | <b>Volume 42, Number 12, May 2017</b>      |



This 167th CD issue of *ICP Information Newsletter Digital* contains Volume 42, Number 12 for May 2017, and features abstracts from the Pittcon 2017 and the 14th Rio Symposium on Atomic Spectroscopy.

Published in print form at since 1975, the *Newsletter* is available to subscribers as a PDF (Portable Document Format) file on this CD-ROM (PC format). The PDF issue can be printed out or read on a computer screen. PDF files require Adobe's Acrobat Reader ([www.adobe.com/products/acrobat/readstep2.html](http://www.adobe.com/products/acrobat/readstep2.html)), which can be downloaded free.

© 2017 ICP Information Newsletter, Inc. Published Monthly <http://icpinformation.org>

*Editorial Office: University Research Institute for Analytical Chemistry, ICP Information Newsletter, Inc.  
18241 Beauty Berry Ct., Lehigh Acres, FL 33972. Phone (239) 674-9430, fax (239) 674-9431 ISSN 0161-6951*

# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

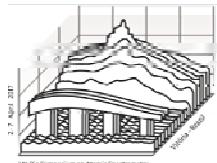
Ramon M. Barnes, *Editor*

**Volume 42, Number 12  
May 2017**

## Table of Contents

1683 - 1723 Pittcon 2017. *Plasma Spectrochemical Abstracts*

1724 - 1771 14th Rio Symposium on Atomic Spectroscopy. *Plasma Spectrochemical Abstracts*



### 14<sup>th</sup> Rio Symposium on Atomic Spectrometry

Vitória - Espírito Santo - Brazil

1772 - 1785 56th Annual SOT Meeting. *Plasma Spectrochemical Abstracts*

1785 - 1786 AT Europe. *Plasma Spectrochemical Abstracts*

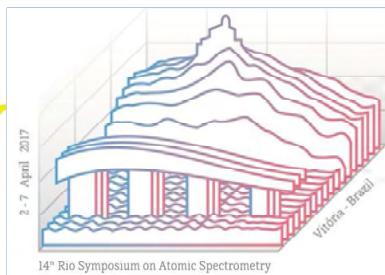
1786 6th Annual SoCal Flow Summit 2017. *Plasma Spectrochemical Abstracts*

1787 - 1791 Plasma Spectroscopy Calendar

1792 - 1793 Author Index

1794 - 1802 Announcements and Advertisements

### 2018 Winter Conference on Plasma Spectrochemistry



**Amelia Island, Florida  
January 8 - 13, 2018**

# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*

**Volume 42, Number 11  
April 2017**

## Table of Contents

- 1481 - 1674 2017 European Winter Conference on Plasma Spectrochemistry. *Plasma Spectrochemical Abstracts*  
1668 - 1669 Author Index  
1669 - 1667 Plasma Spectroscopy Calendar  
1675 - 1682 Announcements and Advertisements

**2018 Winter Conference  
on Plasma Spectrochemistry**



**Amelia Island, Florida  
January 8 - 13, 2018**



© 2017 ICP Information Newsletter, Inc. Published Monthly <http://icpinformation.org>

*Editorial Office: University Research Institute for Analytical Chemistry, ICP Information Newsletter, Inc.  
18241 Beauty Berry Ct, Lehigh Acres, Florida 33972. Phone (239)674-9430, fax (239)674-9431 ISSN 0161-6951*

# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*

**Volume 42, Number 10  
March 2017**

## Table of Contents

- 1319 - 1330** XXIst Slovak-Czech Spectroscopic Conference. *Plasma Spectrochemical Abstracts*
- 1331** AAAS 2017 Annual Meeting. *Plasma Spectrochemical Abstracts*
- 1332 - 1334** 69th AAFS Annual Scientific Meeting. *Plasma Spectrochemical Abstracts*
- 1335 - 1339** 2017 GSA South-Central Section 51st Annual Meeting. *Plasma Spectrochemical Abstracts*
- 1340 - 1351** 2017 GSA Joint Section Annual Meeting. *Plasma Spectrochemical Abstracts*
- 1352 - 1358** 2017 GSA Southeastern Section 66th Annual Meeting. *Plasma Spectrochemical Abstracts*
- 1359** 2017 SME Annual Conference. *Plasma Spectrochemical Abstracts*
- 1360 - 1364** 31st Annual Meeting for Immunotherapy of Cancer. *Plasma Spectrochemical Abstracts*
- 1364 - 1371** 2016 ACR/ARHP Annual Meeting. *Plasma Spectrochemical Abstracts*
- 1371 - 1372** SoCal Flow Summit 2015. *Plasma Spectrochemical Abstracts*
- 1372** 61st Biophysical Annual Meeting. *Plasma Spectrochemical Abstracts*
- 1373 - 1395** 31st International Society for Advancement of Cytometry Congress. *Plasma Spectrochemical Abstracts*
- 1395 - 1408** 30th International Society for Advancement of Cytometry Congress. *Plasma Spectrochemical Abstracts*
- 1408 - 1409** 24th X-Ray Fluorescence and Emission Spectroscopy Users Meeting. *Plasma Spectrochemical Abstracts*
- 1410 - 1463** 48th Brazilian Geology Congress. *Plasma Spectrochemical Abstracts*
- 1464** John M.C. Danku. *Memorial*
- 1664 - 1465** Tribute. *David E. Salt*
- 1465 - 1470** Plasma Spectroscopy Calendar
- 1470** SLAS 2017 Conference. *Plasma Spectrochemical Abstracts*
- 1471 - 1472** Author Index
- 1473 - 1480** Announcements and Advertisements



# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*

**Volume 42, Number 9  
February 2017**

## Table of Contents

- 1181 - 1189 2nd Caparica Christmas Conference on Sample Treatment.  
*Plasma Spectrochemical Abstracts*
- 1189 - 1190 20th Annual Meeting Israel Analytical Chemistry Society.  
*Plasma Spectrochemical Abstracts*
- 1191 - 1192 AGU Chapman Conference on Submarine Volcanism.  
*Plasma Spectrochemical Abstracts*
- 1192 - 1296 35th International Geological Congress. *Plasma Spectrochemical Abstracts*
- 1296 - 1300 Plasma Spectrochemical Webinars. *Publications*
- 1301 - 1305 Plasma Spectroscopy Calendar
- 1305 2019 European Winter Conference on Plasma Spectrochemistry.  
*Announcement*
- 1306 - 1307 Author Index
- 1308 - 1318 Announcements and Advertisements



# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*

**Volume 42, Number 8  
January 2017**

## Table of Contents

- 1019 - 1020 XI Workshop on Sample Preparation. *Plasma Spectrochemical Abstracts*
- 1021 - 1027 XIV International Congress of Toxicology. *Plasma Spectrochemical Abstracts*
- 1027 - 1029 20th International Conference on Flow Injection Analysis and Related Techniques. *Plasma Spectrochemical Abstracts*
- 1029 - 1032 46th Society of Neuroscience Annual Meeting. *Plasma Spectrochemical Abstracts*
- 1032 - 1037 55th Annual Eastern Analytical Symposium. *Plasma Spectrochemical Abstracts*
- 1037 - 1046 2016 MRS Fall Meeting. *Plasma Spectrochemical Abstracts*
- 1046 - 1076 AIChE Annual Meeting. *Plasma Spectrochemical Abstracts*
- 1076 - 1080 8th Asian Biological Inorganic Chemistry Conference. *Plasma Spectrochemical Abstracts*
- 1080 - 1082 Perkins-Rosen Research Conference. *Plasma Spectrochemical Abstracts*
- 1082 American Society of Cell Biology Annual Meeting. *Plasma Spectrochemical Abstracts*
- 1083 - 1087 1st Ibero-American Conference on Mass Spectrometry. *Plasma Spectrochemical Abstracts*
- 1087 - 1089 High-Resolution Proxies of Paleoclimate. *Plasma Spectrochemical Abstracts*
- 1090 - 1157 AGU Fall Meeting 2016. *Plasma Spectrochemical Abstracts*
- 1157 - 1158 Alex Halliday Receives AGU Medal. *Announcement*
- 1159 - 1162 XXI Symposium on Isotope Geochemistry. *Plasma Spectrochemical Abstracts*
- 1162 - 1163 7th NRW Nano Conference. *Plasma Spectrochemical Abstracts*
- 1163 - 1167 Plasma Spectroscopy Calendar
- 1167 - 1169 Author Index
- 1169 - 1180 Announcements and Advertisements

# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*

**Volume 42, Number 7  
December 2016**

## Table of Contents

- 879 - 886** 21st International Mass Spectroscopy Conference. *Plasma Spectrochemical Abstracts*
- 886 - 901** 7th SETAC World Congress. *Plasma Spectrochemical Abstracts*
- 901 - 908** 2016 AAPS Annual Meeting. *Plasma Spectrochemical Abstracts*
- 909 - 1002** 2016 GSA Annual Meeting. *Plasma Spectrochemical Abstracts*
- 1002 - 1006** Plasma Spectroscopy Calendar
- 1006 - 1007** Author Index
- 1008 - 1018** Announcements and Advertisements



# ICP Information NEWSLETTER

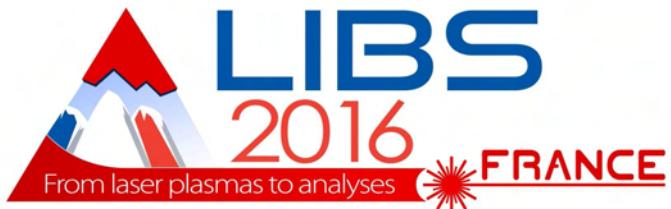
INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*

**Volume 42, Number 6  
November 2016**

## Table of Contents

- 727 - 732 4th FFF-MS Workshop. *Plasma Spectrochemical Abstracts*  
732 - 735 2016 Gulf Coast Conference. *Plasma Spectrochemical Abstracts*  
735 - 737 SETAC 2016 Australasia Conference. *Plasma Spectrochemical Abstracts*  
737 - 739 Joint DPS 48/EPSC11 . *Plasma Spectrochemical Abstracts*  
740 32nd Annual International Conference on Soils, Sediments, Water and Energy.  
*Plasma Spectrochemical Abstracts*  
741 - 742 51st Midwest Regional ACS Meeting. *Plasma Spectrochemical Abstracts*  
742 - 745 XIII Meetingon Analytical and Environmental Chemistry. *Plasma Spectrochemical Abstracts*  
746 - 862 9th International Conference on Laser-Induced Breakdown Spectroscopy. *Plasma Spectrochemical Abstracts*  
862 - 866 Plasma Spectroscopy Calendar  
866 - 868 Author Index  
868 - 878 Announcements and Advertisements



# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*

**Volume 42, Number 5  
October 2016**

## Table of Contents

- 563 - 612 Scix 2016. *Plasma Spectrochemical Abstracts*
- 613 - 616 Joint European Stable Isotope Users Group Meeting. *Plasma Spectrochemical Abstracts*
- 617 - 627 6th EuCheMS Chemistry Congress. *Plasma Spectrochemical Abstracts*
- 627 - 633 Swiss Chemical Society Fall Meeting 2016. *Plasma Spectrochemical Abstracts*
- 633 - 637 2016 SETAC Asia/Pacific Conference. *Plasma Spectrochemical Abstracts*
- 637 - 638 101st AACC International Annual Meeting. *Plasma Spectrochemical Abstracts*
- 638 - 656 25th ICP-MS User Meeting and 12th Symposium Mass Spectrometric Methods of Trace Analysis. *Plasma Spectrochemical Abstracts*
- 656 - 663 4th Uruguayan Congress of Analytical Chemistry. *Plasma Spectrochemical Abstracts*
- 663 - 702 18th Brazilian National Meeting on Analytical Chemistry. *Plasma Spectrochemical Abstracts*
- 703 - 707 13th International Nickel-Copper-PGE Symposium. *Plasma Spectrochemical Abstracts*
- 707 4th Annual Cancer Research and Oncology Virtual Conference. *Plasma Spectrochemical Abstracts*
- 708 2016 AIPG 53rd National Conference. *Plasma Spectrochemical Abstracts*
- 708 - 713 Plasma Spectroscopy Calendar
- 713 - 715 Author Index
- 716 - 726 Announcements and Advertisements



# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*

**Volume 42, Number 4  
September 2016**

## Table of Contents

- 421 - 443** 252nd ACS National Meeting. *Plasma Spectrochemical Abstracts*
- 443 - 472** 9th International Conference on Nuclear and Radiochemistry NRC9. *Plasma Spectrochemical Abstracts*
- 473 - 480** Joint International Conference on Environmental, Health, GIS, and Agriculture. *Plasma Spectrochemical Abstracts*
- 480 - 498** 11th International Conference on the Environmental Effects of Nanoparticles and Nanomaterials. *Plasma Spectrochemical Abstracts*
- 498 - 500** 7th International Conference on Advanced Nanomaterials ANM2016. *Plasma Spectrochemical Abstracts*
- 501 - 504** 10th International Biometals Symposium. *Plasma Spectrochemical Abstracts*
- 504 - 512** International Conference on Environmental and Food Monitoring. *Plasma Spectrochemical Abstracts*
- 512 - 513** 38th Symposium on Applied Surface Analysis. *Plasma Spectrochemical Abstracts*
- 514 - 542** 15th Workshop on Progress in Trace Metal Speciation for Environmental Analytical Chemistry. *Plasma Spectrochemical Abstracts*
- 542 - 544** 53rd TIAFT Annual Meeting 2015. *Plasma Spectrochemical Abstracts*
- 544 - 549** Plasma Spectroscopy Calendar
- 549 - 551** Author Index
- 551 - 562** Announcements and Advertisements



# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*

**Volume 42, Number 3  
August 2016**

## Table of Contents

- |           |   |
|-----------|---|
| 263 - 299 | 13th European Workshop on Laser Ablation. <i>Plasma Spectrochemical Abstracts</i> |
| 299       | PerkinElmer Introduces Avio 200 ICP-OES. <i>New Product</i>                       |
| 300 - 302 | AOGS 13th Annual Meeting. <i>Plasma Spectrochemical Abstracts</i>                 |
| 302 - 358 | 26th Goldschmidt Conference. <i>Plasma Spectrochemical Abstracts</i>              |
| 359 - 362 | 8th Biometal Symposium. <i>Plasma Spectrochemical Abstracts</i>                   |
| 362 - 403 | 10th World Biomaterials Congress. <i>Plasma Spectrochemical Abstracts</i>         |
| 403 - 408 | Plasma Spectroscopy Calendar  |
| 408 - 409 | Author Index  |
| 410 - 420 | Announcements and Advertisements  |



# ICP Information NEWSLETTER

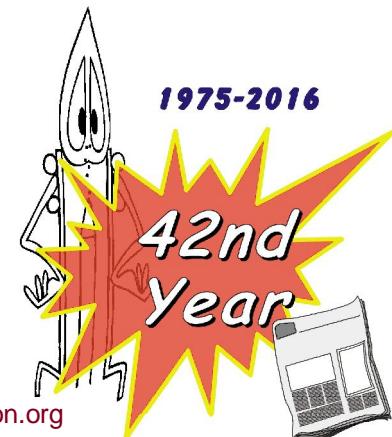
INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*

**Volume 42, Number 2  
July 2016**

## Table of Contents

- 137 - 153 18th Biennial National Atomic Spectroscopy Symposium. *Plasma Spectrochemical Abstracts*
- 153 2017 Gordon F. Krikbright Bursary Award. *Announcement*
- 153 - 171 32nd International Conference on Environmental Geochemistry and Health. *Plasma Spectrochemical Abstracts*
- 171 - 174 9th Joint Annual Meeting JAM 2016. *Plasma Spectrochemical Abstracts*
- 174 9th Joint Natural Products Conference. *Plasma Spectrochemical Abstracts*
- 176 - 178 2016 National Environmental Monitoring Conference. *Plasma Spectrochemical Abstracts*
- 178 - 179 68th AACC Annual Meeting 2016. *Plasma Spectrochemical Abstracts*
- 180 - 198 Australian Earth Sciences Convention. *Plasma Spectrochemical Abstracts*
- 199 - 243 79th Meteoritical Society Annual Meeting. *Plasma Spectrochemical Abstracts*
- 243 - 244 20th Annual Green Chemistry and Engineering Conference. *Plasma Spectrochemical Abstracts*
- 244 71st ACS Northwest Regional Meeting. *Plasma Spectrochemical Abstracts*
- 245 4th International Conference on Radiation . *Plasma Spectrochemical Abstracts*
- 246 IAFP Annual Meeting 2016. *Plasma Spectrochemical Abstracts*
- 246 - 251 Plasma Spectroscopy Calendar
- 251 - 253 Author Index
- 254 - 262 Announcements and Advertisements



# ICP Information NEWSLETTER

INDUCTIVELY COUPLED PLASMA DISCHARGES FOR SPECTROCHEMICAL ANALYSIS

Ramon M. Barnes, *Editor*



**Volume 42, Number 1  
June 2016**

## Table of Contents

- 1 - 3 XV Italian-Hungarian Symposium on Spectrochemistry. *Plasma Spectrochemical Abstracts*
- 3 - 7 Nanotech France 2016 Conference. *Plasma Spectrochemical Abstracts*
- 8 - 12 4th International Sclerochronology Conference. *Plasma Spectrochemical Abstracts*
- 12 - 13 53rd Annual Meeting Clay Minerals Society. *Plasma Spectrochemical Abstracts*
- 14 - 24 2nd International Conference on Atmospheric Dust. *Plasma Spectrochemical Abstracts*
- 24 - 31 4th International Workshop on Highly Siderophile Element Geochemistry. *Plasma Spectrochemical Abstracts*
- 31 - 35 43rd IEEE International Conference on Plasma Science. *Plasma Spectrochemical Abstracts*
- 35 - 47 22nd International Symposium on Plasma Chemistry. *Plasma Spectrochemical Abstracts*
- 48 - 50 MAS Electron-Probe Microanalysis Topical Conference. *Plasma Spectrochemical Abstracts*
- 50 - 51 7th Forum on New Materials CIMTEC 2016. *Plasma Spectrochemical Abstracts*
- 51 - 52 International Conference on Processing and Manufacturing of Advanced Materials. *Plasma Spectrochemical Abstracts*
- 52 - 59 2016 International Obsidian Conference. *Plasma Spectrochemical Abstracts*
- 59 - 102 Japan Geoscience Union Meeting 2016. *Plasma Spectrochemical Abstracts*
- 102 - 105 63rd JSAP Spring Meeting 2016. *Plasma Spectrochemical Abstracts*
- 105 58th Electronic Material Conference. *Plasma Spectrochemical Abstracts*
- 106 - 114 39th Annual Meeting Brazilian Chemical Society. *Plasma Spectrochemical Abstracts*
- 115 - 118 42nd International Conference on Coordination Chemistry. *Plasma Spectrochemical Abstracts*
- 119 - 120 2016 PSA Annual Meeting. *Plasma Spectrochemical Abstracts*
- 120 ALTA 2016 Nickel-Cobalt-Copper, Uranium-REE and Gold-Precious Metals Conference. *Plasma Spectrochemical Abstracts*
- 120 - 126 Plasma Spectroscopy Calendar
- 126 - 127 Author Index
- 128 - 136 Announcements and Advertisements