



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **HNATIUC BOGDAN**

Address(es)

Telephone(s)

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E-mail

Nationality Romanian

Date of birth September 11, 1972

Gender M

Desired employment / Occupational field **Habilitate Professor Technical Higher Education**

Work experience

Professor (since 2017), Associate professor (2013-2017), Lecturer (2012 – 2013, Constanta Maritime University), Lecturer (2002 – 2012, Technical University “Gheorghe Asachi” Iasi), Assistant professor (1995 – 2001, Technical University “Gheorghe Asachi” Iasi)

Dates

Occupation or position held Habilitate professor, Constanta Maritime University, Faculty of Naval Electromechanics, Department of Engineering Science in Electric Field

Main activities and responsibilities Courses and applications for disciplines Naval Electric Devices, Electromagnetic Compatibility, Electrotechnics, Use of Electricity

Name and address of employer Maritime University Constanta

Type of business or sector Technical Higher Education, Electrical Engineering

Education and training

Dates 1997 – 2001

Title of qualification awarded Ph-D Thesis activity getting titles:

Principal subjects/occupational skills covered Doctor in Plasma Physics (Orleans University, France) - 2002

Doctor in Electrotechnics, Technical University “Gh. Asachi” Iasi, Romania - 2001

1995 - 1996

Master in Power Electrotechnics, Faculty of Electrical Engineering, Technical University “Gh. Asachi” Iasi

1990 – 1995

Diploma of Electrical Engineer, Faculty of Electrical Engineering, Technical University “Gh. Asachi” Iasi, section of Electric Devices

1986 – 1990

National High School from Iasi, specialty Mathematics - Physics

Name and type of organisation providing education and training

Level in national or international classification (remove if not relevant, see instructions)

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s) **French, English**

Self-assessment
European level ()*

French
English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Experienced user	Experienced user	Experienced user	Experienced user	Experienced user
Experienced user	Experienced user	Experienced user	Experienced user	Experienced user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences Available on teamwork both in research and in teaching

Organisational skills and competences Skills concerning research activities demanded by any research project (director of three international research projects, postdoctoral fellowship at Orleans University, France) and the teaching activities as a result of 17 years in the Technical University "Gh Asachi "of Iasi and 6 years in Constanta Maritime University
Organizing various events (conferences, reunions after graduation)

Technical skills and competences User of analogue and digital electronic devices, spectrophotometers (emission and absorption), gas and liquid chromatography (skills acquired during many research stages in research laboratories from France and USA)

Computer skills and competences User of Windows operation systems, software utilities Multisim, Matlab, Mathcad etc., Arduino, Assembling 8051 Family – Microcontrollers – programming and applications

Artistic skills and competences

Other skills and competences Specialist in plasma physics, field of non-thermal plasma electrical discharges

Driving licence Automobile license (from 1992)

Additional information

Annexes Annex 1 – Schedule of activities (research projects, research stages, invited professor etc.)
Anexa 2 – List of papers, books, patents

Annex 1
SCHEDULE OF ACTIVITIES

1. Assistant profesor (1995 – 2001), lecturer (2001 – 2012) at Technical University “Gh. Asachi” Iasi, Faculty of Electrical Engineering, Department Basics of Electrotechnics, disciplines Electromagnetic Field Theory, Electric Circuits, Electroecology and Transient Regimes of Electric Devices (courses and applications)
2. Lecturer (2012 – 2013) and Associate Professor (2013 – 2014) at Constanta Maritime University, Faculty of Naval Electromechanics, disciplines of Naval Electric Devices and Electromagnetic Compatibility (courses and applications)
3. Research stage at Technical University from Bucharest (1996) in the field of “Applications of electromagnetic field”, TEMPUS programme.
4. Research stages at Orleans University, France, GREMI Laboratory, in the field of “Study of GlidArc discharges and the influence of different physical parameters on their work”, 1996, COPIRTECH Programme
5. Research stages at Orleans University, France, GREMI Laboratory, in the field of “Theoretical and experimental contributions at cold plasma electric discharges”, 1997, 1998, 1999, 2000
6. Research stages at Rouen University, LEICA Laboratory, in the field of “Using electrochemical reactors with cold plasma for water depolution”, COPIRTECH Programme, Ref. PAS23-2001, 2001, 2002
7. Research Grant T type titled “Reactors with cold plasma used for air and water depolution”, 2000 – 2001, member of the research team
8. Postdoctoral fellowship granted by GREMI laboratory and by A.U.F. at Orleans University, France, GREMI Laboratory from Bourges, titled “Plasma Ignition system for Internal Combustion Engine”, 2002, 2003 - 2004
9. Research programme type Brancusi, partner – LASEP Laboratory, Site of Bourges, Orleans University, France, 2003 – 2004, member of the research team
10. Research Project type Excellence Research from PNII, CEEX no. 117/31.07.2006, titled “Stabilization and conditioning of wines by using cold plasma treatments”, member of the research team, 2006 - 2008
11. Research Project type A Grant, CNCSIS 262, 2007 – 2008, titled “Researches concerning electromagnetic systems where occurs coupled problems with finite element method and the genetic algorithms”, member of the research team
12. International research Project granted by A.U.F., type Réseau des chercheurs, « Génie des procédés appliqué à l’agroalimentaire », nr. 4453/12.03.2008, Convention 2092RR813, titled « Application du plasma froid au traitement des eaux de lavage », 2008-2009, project manager
13. Responsible for scientific cooperation between Orleans University, France, and Technical University Gheorghe Asachi” Iasi in the field of Plasma Physics, 2004 – 2009
14. International research Project type PNII, Capacities, Module III, Cooperation with France, titled “Application of electric discharges at high pressure in order to obtain a good quality of combustion”, no. 302/22.09.2009, 2009 – 2010, Project manager
15. Research Project type Ideas, PCE Idei no. 977/2009, titled “Study of hydrogen production by using cold plasma technologies”, 2009 – 2011, member of the research team.

16. Invited researcher at Orleans University, GREMI Laboratory – Site of Bourges, France, for 1 month, in 2009, 2011, 2012, 2014, 2016
17. Visit by ERASMUS Programme at Orleans University, GREMI Laboratory – Site of Bourges, France, 2012
18. "Excellent Paper Award" for poster section of the international conference titled *Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies*, ATOM-N2014, 21 – 24 August 2014, Constanța, România
19. Project manager of the grant titled *Treatment and prevention of Biofouling by atmospheric non-thermal plasma treatment*, Bilateral research Project with France no. 771 / 2014, 2015 – 2016
20. Habilitation thesis titled *Contributions to the study of electromagnets and applications of non-thermal plasmas produced by electrical discharges*, presented at Technical University from Iasi, Romania on March 14, 2015.
21. Associated at Doctoral School of Electrical Engineering from *Dunărea de Jos* University, Galați, Romania, 3 PhD students.
22. "Diploma of Excellence" for the scientific and technological research carried out within the framework of the Romania - France bilateral cooperation, the Brancusi - Hubert Curien Program, granted by the National Authority for Scientific Research and Innovation (ANCSI) together with the French Embassy in Romania, 2016
23. Invited profesor at Orleans University, GREMI Laboratory, Site de Bourges with oral presentation at Dupanloup (Orleans, February 9, 2016) titled *Le plasma: quesako? Quelques applications environnementales des décharges électriques...*
24. Project for the professional training of students, master students and PhD students based on research and development of practical skills at the Constanta Maritime University, CNFIS-FDI-2017-0476, member of the project team
25. Reviewer at 5 International Journals and 3 International Indexed Conferences

Annex 2 LIST OF PAPERS

1. B. Hnatiuc, P. Leonte, E. Hnatiuc, “Une solution d’automate programmable pour le démarrage, la protection et la commande d’un moteur asynchrone triphasé avec induit en court-circuit”, Bul. Inst. Polit. Iasi, Tom. XLI (XLV), Fasc. 5, Sectia a VI-a, 1995, Roumanie
2. E. Hnatiuc, P. Leonte, C. Popa, C. Iacob, B. Hnatiuc, “Techniques modernes dans la commutation de puissance à basse tension”, Bul. Inst. Polit. Iasi, Tom XLI (XLV), Fasc. 5, Sectia a VI-a, 1995, Roumanie
3. E. Hnatiuc, A. Czernichowski, P. Leonte, B. Hnatiuc, “Des aspects énergétiques concernant la réalisation industrielle des installations pour la dépollution de l’air avec des réacteurs électrochimiques type GlidArc”, SOROPA’96, Sibiu, 1996, Roumanie
4. E. Hnatiuc, A. Czernichowski, B. Hnatiuc, “Solutions électriques pour la depollution des gaz, qui utilisent décharges électriques de type plasma froid”, ICEH’96, Conferinta “Electrotehnologii si mediul ambiant”, pag. 1, 28-29 novembre 1996, Sibiu, Roumanie
5. E. Hnatiuc, Em. Furnica, B. Hnatiuc, “The sure driven condition for the electromagnets working with rectified current”, OPTIM’96, Proceedings of the V-th International Conference on optimisation of electric and electronic equipments”, pag. 697, 15-17 mai 1996, Brasov, Roumanie
6. E. Hnatiuc, Em. Furnica, B. Hnatiuc, A. Chiriac, A. Czernichowski, “New solutions for increasing the efficiency of the cold plasma electrochemical reactors”, OPTIM’96, Proceedings of the V-th International Conference on optimisation of electric and electronic equipments”, pag. 679, 15-17 mai 1996, Brasov, Roumanie
7. E. Hnatiuc, A. Czernichowski, J.-M. Cormier, P. Leonte, B. Hnatiuc, “New solutions for the increasing of performances of the cold plasma reactors used for air depollution”, XII-th Symposium on Physics of Switching Arc, Vol. I, Contributed Papers, pag. 175, 14 – 18 october 1996, Brno, Czech Republic
8. E. Hnatiuc, A. Czernichowski, P. Leonte, B. Hnatiuc, “The Characteristics of the Commanded Cold Plasma Source”, XII-th Symposium on Physics of Switching Arc, Vol. I, Contributed Papers, pag. 179, 14 – 18 october 1996, Brno, Czech Republic
9. E. Hnatiuc, A. Czernichowski, B. Hnatiuc, A. Plesca, “Use of Electric Discharges for the Depollution and Environmental Protection”, Seminaire russo-czech en problèmes de l’environnement et décharges électriques, octombrie 1997, Brno, Czech Republic
10. E. Hnatiuc, A. Czernichowski, M. Beceanu, B. Hnatiuc, “Mathematical Model concerning the Form of Electrodes for an Electrochemical Reactor with Cold Plasma type GlidArc”, SAP&ETEP’97, Lodz, Polski Republic
11. E. Hnatiuc, B. Hnatiuc, A. Plesca, *Cu privire la regimul tranzitoriu de revenire pentru electromagnetii alimentati cu tensiune redresata*, Prima conferinta Internationala de Sisteme Electromecanice, Chisinau, 16 – 18 octombrie 1997
12. E. Hnatiuc, B. Hnatiuc, T. Plesca, M. Marcuta, “About the influence of the phase of voltage supply at the driving time for single – phase AC electromagnets”, OPTIM’98, Brasov, Roumanie
13. E. Hnatiuc, A. Czernichowski, T. Plesca, B. Hnatiuc, A. Ranaivosoloarimanana, “New aspects including the industrial manufacturing of air depollution devices with electrochemical reactors GLIDARC type”, The International Conference ICATE’98, 1998, Craiova, Roumanie

14. E. Hnatiuc, B. Hnatiuc, A. Czernichowski, M. Cernat, *The influence of the distance between electrodes to the electrical performances for an electrochemical reactor GlidArc type*, FSO'98, 1998, Brno, Czech republic
15. E. Hnatiuc, A. Czernichowski, A. Ranaivosoloarimanana, B. Hnatiuc, P. Pastva, "The power measure of an electrochemical discharge for an electrochemical reactor with cold plasma", FSO'98, 1998, Brno, Czech Republic
16. P. Pastva, B. Hnatiuc, A. Czernichowski, A. Ranaivosoloarimanana, *GlidArc I and GlidArc II Reactors. Physical properties and electrical diagnostics*, Union of slovak mathematicians and physicists, 11-th Symposium on Elementary Processes and chemical reactors in low temperature plasma, Bratislava, Slovakia
17. A. Ranaivosoloarimanana, P. Pastva, B. Hnatiuc, A. Czernichowski, *GlidArc I and GlidArc II Reactors. Physical properties and electrical diagnostics*, Buletinul I. P. Iasi, Tomul XLV (IL), Fasc. 3-4, Iasi, 1999, Romania
18. A. Ranaivosoloarimanana, P. Pastva, B. Hnatiuc, A. Czernichowski, R. Hajossy, "Comparison of GlidArc I and GlidArc II", 11-th Symposium on Elementary Processes and Chemical Reactions in Low Temperature Plasma, 22-26.06.1998, page 251-254, Low Tatras, Slovakia
19. A. Ranaivosoloarimanana, P. Pastva, B. Hnatiuc, A. Czernichowski, "Instabilités dans les réacteurs GlidArc I et II", 3emes Journées "Fluctuations dans les arcs", Bourges, 1998, France
20. B. Hnatiuc, P. Pastva, A. Czernichowski, E. Hnatiuc, A. Ranaivosoloarimanana, "La mesure de la puissance utile dans un réacteur électrochimique à plasma froid", Buletinul I. P. Iasi, Tomul XLV (IL), Fasc. 1-2, Iasi, 1999, Roumanie
21. E. Hnatiuc, R. Burlica, B. Hnatiuc, "New aspects on the multielement fuse protection characteristic", Sixth International Conference on Electric Fuses and their Applications, Torino, 1999, Italy
22. E. Hnatiuc, R. Burlica, B. Hnatiuc, "The influence of magnetic straying field on DC electromagnets behaviour", International Conference on Electrical and Power Engineering, 1999, Buletinul I. P. Iasi, Tomul XLV (IL), Fasc. 5, Iasi, Roumanie
23. E. Hnatiuc, R. Burlica, B. Hnatiuc, "Concernant le fonctionnement des fusibles multi - élément", A doua Conferinta Internationala de Sisteme Electromecanice, Chisinau, 1999, Republicue de Moldavie
24. R. Burlica, E. Hnatiuc, B. Hnatiuc, "La modélisation du régime dynamique de l'appareillage électrique de commutation en courant alternatif", A doua Conferinta Internationala de Sisteme Electromecanice, Chisinau, 1999, Republicue de Moldavie
25. A. Czernichowski, Z. Ferenc, B. Hnatiuc, P. Pastva, J. Wandarasz, "Application des réacteurs de type GlidArc I à la transformation des vapeurs de toluène dans les gaz d'échappement des fourneaux", Second séminaire Franco-Polonais sur les plasmas Thermiques dans l'espace et en laboratoire, Cracovie, 19-22 juillet 1999, Pologne
26. A. Czernichowski, Z. Ferenc, B. Hnatiuc, P. Pastva, "GlidArc I reactor for toluene removal from hot exhausts", 12-th Symposium on "Applications of Plasma Processes", February 9-13, 1999, Liptovsky Jan, Slovakia
27. A. Czernichowski, Z. Ferenc, B. Hnatiuc, P. Pastva, "GlidArc I assisted destruction of toluene vapors from effluvia", 14-th International Symposium of Plasma Chemistry, ISPC-14, 2-6 august 1999, Praga, Czech Republic

28. R. Burlica, E. Hnatiuc, B. Hnatiuc, "The analytical evaluation of the disconnecting time for the D.C. electromagnetic commutation apparatuses with contacts", Buletinul I.P.Iasi, Fascicula 1/2001, Roumanie
29. B. Hnatiuc, E. Hnatiuc, R. Burlica, J. –L. Brisset, *A model concerning the dynamically behaviour of a cold plasma GlidArc reactor*, XIV –th Symposium on Physics of Switching Arc, Contributed Papers, 10 – 14 septembre 2001, pag. 272 – 276, Brno, Czech Republic
30. E. Hnatiuc, R. Burlica, B. Hnatiuc, J. –L. Brisset, *A new type of electrochemical reactor with a rotary cold plasma discharge*, XIV –th Symposium on Physics of Switching Arc, Contributed Papers, 10 – 14 septembre 2001, pag. 64 – 68, Brno, Czech Republic
31. E. Hnatiuc, B. Cheron, B. Hnatiuc, R. Burlica, J. -M. Cormier, "A flowing model of an Electrochemical Reactor with cold plasma and rotating discharge", mai 2002, OPTIM2002, vol.I, pag. 177 - 180, Brasov, Romania
32. E. Hnatiuc, B. Cheron, B. Hnatiuc, R. Burlica, J. –L. Brisset, *Cold plasma electrochemical reactor with rotary discharge*, VIII-th International Conference Hakone, July 2002, Estonia, p. 379 – 385, ISBN 9985-4-0257-X, <http://www.ut.ee/hakone8/papers/Papers.html>
33. Hnatiuc B., Moussa D., Burlica R., Brisset J-L, Hnatiuc E., « Emploi des réacteurs plasma-chimiques pour la dépollution des liquides », Journée Internationale de l'Eau, Poitiers (France), septembre 2002
34. E. Hnatiuc, J. –L. Brisset, R. Burlica, B. Hnatiuc, *Possibilities to use the electrochemical reactors with cold plasma type "Glidarc" for the depollution of the waste waters*, Buletinul Institutului Politehnic din Iasi, Tomul XLVIII (LII), Fasc. 1-2, Sectia Electrotehnica, Energetica, Electronica, 2002
35. B. Hnatiuc, S. Pellerin, J. Chapelle, M. Brassart, "Système d'allumage par plasma pour moteur d'automobile", FRAPOL04, 16 - 19 juin 2003, 4-ème Séminaire Franco-Polonais sur le Plasmas Thermiques dans l'Espace et en Laboratoire, Bourges, France
36. E. Hnatiuc, J. –L. Brisset, R. Burlica, B. Hnatiuc, « Evolution des sources et des réacteurs électrochimiques à plasma froid de type arc glissant », FRAPOL04, 16 - 19 juin 2003, 4-ème Séminaire Franco-Polonais sur le Plasmas Thermiques dans l'Espace et en Laboratoire, Bourges, France
37. Hnatiuc E., Brisset J-L, Hnatiuc B., Burlica R., Rusu I., *New trends in plasma sources, Plasma reactor engineering and applications of non-thermal plasmachemical reactors*, Proc. XV th FSO, Brno, 22 septembre 2003.
38. B. Hnatiuc, E. Hnatiuc, R. Burlica, "L'appréciation de quelques paramètres des décharges électriques de type GlidArc utilisées pour la dépollution des gaz contenant de produits à base de toluene", september 2003, SIELMEN 2003, Chisinau, Moldova Republic, ISBN 9975-9704-9-4
39. Hnatiuc E., Brisset J-L, Hnatiuc B., Burlica R., « Plasma sources for electrochemical reactors », Proc. IUPAC Congress ISPC 16, Taormina, Italia, iunie 2003, p. 745.
40. E. Hnatiuc, J. –L. Brisset, R. Burlica, B. Hnatiuc, « Evolution des sources et des réacteurs électrochimiques à plasma froid de type arc glissant », FRAPOL04, 16 - 19 juin 2003, 4-ème Séminaire Franco-Polonais sur le Plasmas Thermiques dans l'Espace et en Laboratoire, Bourges, France
41. **B. Hnatiuc, S. Pellerin, «Electrical modelling and diagnostic of a luminescent discharge at high pressure», OPTIM 2004, Optimization of Electrical and Electronical Equipment, ISBN 973-635-285, p.191-194, May 20 – 23 2004, Brasov, Romania**

42. **E. Hnatiuc, R. Burlica, B. Hnatiuc, « The Disconnecting Regime of the Fast Electromagnetic Circuit Breakers », OPTIM 2004, Optimization of Electrical and Electronical Equipment, ISBN 973-635-285, May 20 – 23 2004, Brasov, Romania**
43. B. Hnatiuc, S. Pellerin, V. Rascanu, E. Hnatiuc, R. Burlica, « Analysis of the transition of a dielectric barrier discharge to a luminescent discharge », EPE 2004, 3-rd International Conference on Electrical and Power Engineering, October 7 – 8, 2004, Buletinul Institutului Politehnic din Iasi, Tomul L (LIV), Fasc. 5A / 2004, Sectia Electrotehnica, Energetica, Electronica, p. 336 – 341, Romania
44. B. Hnatiuc, S. Pellerin, E. Hnatiuc, J. Chapelle, *Electrical and optical analysis of a double spark ignition system*, International Symposium on Plasma Chemistry, ISPC17, p. 1022, August 7 – 12, 2005, Toronto, Canada
45. B. Hnatiuc, R. Burlică, S. Pellerin, E. Hnatiuc, *Gliding spark used for ignition system*, XVI-th Symposium on Physics of Switching Arc, FSO 2005, pag. 92, september 2005, Brno, Czech Republic, ISBN 80-214-2931-3
46. E. Hnatiuc, R. Burlică, B. Hnatiuc, J. –L. Brisset, C. Badel, *The optimization of the current limitation elements for the GlidArc electrochemical reactors*, XVI-th Symposium on Physics of Switching Arc, FSO 2005, pag. 243, septembrie 2005, Brno, Czech Republic, ISBN 80-214-2931-3
47. **B. Hnatiuc, S. Pellerin, J. Chapelle, E. Hnatiuc, *Experimental analysis of a double spark ignition system*, Czechoslovak Journal of Physics, No. 6157, 56(8), 851-868, 2006**
48. B. Hnatiuc, S. Pellerin, E. Hnatiuc, J. Chapelle, *Experimental analysis of a double spark ignition system*, 13-th International Congress on Plasma Physics, ICPP2006, May 22-26, 2006, Kiev, Ukraina
49. B. Hnatiuc, S. Pellerin, E. Hnatiuc, R. Burlica, *Electrical and optical analysis for physical description of a double spark*, Buletinul Institutului Politehnic din Iasi, Sectia Electrotehnica, Energetica, Electronica, Fascicula 1/ 2006
50. F. Valensi, B. Hnatiuc, S. Pellerin, F. Briand, F. Richard, *Etude de l'amorçage d'un arc électrique de soudage de type MIG-MAG*, Buletinul Institutului Politehnic din Iasi, Sectia Electrotehnica, Energetica, Electronica, Tomul LII (LVI), Fascicula 5, 2006
51. E. Hnatiuc, A. Plesca, B. Hnatiuc, *Dynamic electromechanic characteristic of DC electromagnets will null starting flux*, 8th International Conference on Applied and Theoretical Electricity, ICATE2006, ISSN 1842-4805, 2006
52. E. Hnatiuc, A. Plesca, B. Hnatiuc, *Dynamic electromechanic characteristic of DC electromagnets will non-null starting flux*, 8th International Conference on Applied and Theoretical Electricity, ICATE2006, ISSN 1842-4805, 2006
53. **Hnatiuc B., Pellerin S., Burlica R., Hnatiuc E. *Electrical and physical properties of a gliding arc*, XVIIth Symposium on Physics of Switching Arc, p. 97-100, 10-13 September, Brno 2007, Czech Republic, ISBN: 978-80-214-3370-0**
54. **Hnatiuc E., Cotea V., Burlica R., Hnatiuc B., Zanoaga C., Nicolaua M, *The wine treatment and conditioning by cold plasma discharges*, XVIIth Symposium on Physics of Switching Arc, p. 101-104, 10-13 September, Brno 2007, Czech Republic, ISBN: 978-80-214-3370-0**
55. **R. Burlica, B. Hnatiuc and E.Hnatiuc, *The Effects of Gas Flow-rate on electrical parameters of Gliding arc discharges*, XVIIth Symposium on Physics of Switching Arc, p. 41-44, 10-13 September, Brno 2007, Czech Republic, ISBN: 978-80-214-3370-0**

56. R. Burlica, E. Hnatiuc, B. Hnatiuc, *The analytical evaluation of the connecting time for the AC electromagnetic commutation apparatuses with contacts*, 6TH INTERNATIONAL CONFERENCE ON ELECTROMECHANICAL AND POWER SYSTEMS, October 4-6, 2007 - Chişinău, Rep.Moldova
57. E. Hnatiuc, R. Burlica, B. Hnatiuc, G.Todirasi, *Environmental Impact Of Cold Plasma Discharges*, International World Energy System Conference, Iasi, Romania, Sectiunea V, 2008, nr. pag. 6, ISSN 1198-0729.
58. R. Burlica, B. Hnatiuc, E. Hnatiuc, M. Niculaua, C. Zanoaga, *The wine treatment by Gliding Arc discharges*, 6^{ème} Conférence Française d'Electrostatique, SFE2008, p. 347 – 350, 7-9 juillet 2008, Paris, France, ISBN 978-2-9505432-6-4
59. J. –L. Brisset, A. Doubla, G. Kamgang-Youbi, J. –M. Herry, B. Hnatiuc, *Interaction between Gliding Discharge and Liquid Target for Pollution Abatement*, 6^{ème} Conférence Française d'Electrostatique, SFE2008, p. 326 – 329, 7-9 juillet 2008, Paris, France, ISBN 978-2-9505432-6-4
60. B. Hnatiuc, R. Burlica, E. Hnatiuc, J. –L. Brisset, I. Neacsu, M. Niculaua, *The wine treatment by DBD discharges*, Hakone XI, XIth International Symposium on High Pressure, Low Temperature Plasma Chemistry, September 7 - 12, **Ile d'Oleron, France, 2008**, <http://www.hakone11.univ-tlse.fr/spip.php?rubrique35#topic8>
61. J. –L. Brisset, D. Moussa, A. Doubla, B. Hnatiuc, G. Youbi Kamgang, J. –M. Herry, M. Naitali, M. –N. Bellon Fontaine, *Chemical Reactions Induced by discharges and temporal post-discharges in water treated by Gliding Arc in humid air*, Hakone XI, XIth International Symposium on High Pressure, Low Temperature Plasma Chemistry, September 7 - 12, **Ile d'Oleron, France, 2008**, <http://www.hakone11.univ-tlse.fr/spip.php?rubrique35#topic8>
62. **J. –L. Brisset, D. Moussa, A. Doubla, E. Hnatiuc, B. Hnatiuc, G. Kamgang Youbi, J. –M. Herry, M. Naitali, M. –N. Bellon Fontaine**, *Chemical reactivity of discharges and temporal post-discharges in plasma treatment of aqueous media : examples of gliding discharge treated solutions*, **Ind. Eng. Chem. Res. 2008, 47, p. 5761 - 5781**
63. **E. Hnatiuc, B. Hnatiuc, G. Todirasi**, *The diminution of the perturbations of the cold plasma reactors*, XVIIIth Symposium on Physics of Switching Arc, p. 56, 7-11 September, Brno, 2009, Czech Republic, ISBN: 978-80-214-3793-7
64. **Todirasi G., Hnatiuc E., Hnatiuc B., Burlica R., Gavril B.**, *Electromagnetic behavior of cold plasma electrochemical reactors GlidArc type*, XVIIIth Symposium on Physics of Switching Arc, p. 292, 7-11 September, Brno, 2009, Czech Republic, ISBN: 978-80-214-3793-7
65. G. Todirasi, E. Hnatiuc, B. Hnatiuc, B. Gavril, *The study of electromagnetic perturbations in steady state conditions for cold plasma electrochemical reactors GLIDARC type*, 19th International Symposium on Plasma Chemistry, ISPC2009, Bochum, July 26 – 31, Germany
66. S. Padureanu, E. Hnatiuc, S. Oancea, B. Hnatiuc, B. Gavril, *Induced effects by GlidArc treatment on the mitotic division and on the growth process in Triticum aestivum L.*, 19th International Symposium on Plasma Chemistry, ISPC2009, Bochum, July 26 – 31, Germany
67. B. Hnatiuc, *Microbiologic decontamination using electrical discharges GlidArc type*, 7th International Conference of Electromechanical and power systems, SIELMEN 2009, Iasi, October 8 -9, 2009, ISBN 978-606-520-617-5, p.192-194
68. R. Burlica, B. Hnatiuc, E. Hnatiuc, G. Todirasi, B. Gavril, *The effects of frequency on reactive species generation in water in pulsed glidarc reactors*, 7th International Conference of Electromechanical and power systems, SIELMEN 2009, Iasi, October 8 -9, 2009, ISBN 978-606-520-617-5, p.195-198

69. Todirași G., Hnatiuc E., Hnatiuc B., Gavril B., *The Study of Electromagnetic Perturbations in Steady State Conditions for Cold Plasma Electrochemical Reactors Glidarc Type with Two Electrodes*, 7th International Conference of Electromechanical and power systems, SIELMEN 2009, Iasi, October 8 -9, 2009, ISBN 978-606-520-617-5
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