

INFORMAȚII PERSONALE

Alina Silvia CHIPER



Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Fizică, Centrul de Cercetări Avansate în Fizica Plasmei din Iași - IPARC, 700506 Iași, Romania

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Genul: F | Data nașterii: 12/06/1975 | Naționalitatea: Română

EXPERIENȚA PROFESIONALĂ

Oct. 2022 – prezent

Conferențiar universitar

Oct. 2009 – Sept. 2022

Lector universitar

Oct. 2004 – Sept. 2009

Preparator universitar

Universitatea „Alexandru Ioan Cuza” din Iași, Blvd. Carol I, nr. 11, Iași 700506 (www.uaic.ro)

Activități și responsabilități:

- Activitate didactică cu studenții din programele de studii de licență și master
- Coordonare de lucrări de licență și disertație (*13 lucrări licență și 33 lucrări disertație finalizate*)
- Activitate de cercetare în fizica plasmei și aplicații

Tipul de activitate: Educație și Cercetare

Iulie 2010 – Martie 2013

Cercetător post-doctoral

Universitatea „Alexandru Ioan Cuza” din Iași, Blvd. Carol I, nr. 11, Iași 700506 (www.uaic.ro)

- Activități de cercetare în cadrul proiectului POSDRU/89/1.5/S/49944, Titlul: *Dezvoltarea capacității de inovare și creșterea impactului cercetării prin programe post-doctorale*

Tipul de activitate: Cercetare în fizica plasmei și aplicații. Titlul proiectului individual de cercetare: *Studiul plasmelor de neechilibru produse în interiorul unor containere închise, de diferite forme și dimensiuni. Aplicații.*

Oct. 2006 – Sept. 2008

Cercetător post-doctoral

Universitatea „Alexandru Ioan Cuza” din Iași, Blvd. Carol I, nr. 11, Iași 700506 (www.uaic.ro)

- Activități de cercetare în cadrul proiectului CEEEX post-doc. nr. 5918/2006, Titlul: *Dezvoltarea de tehnici și metode pentru diagnoza plasmei în regim tranzitoriu*

Tipul de activitate: Cercetare în fizica plasmei și aplicații: *Diagnoza plasmei la presiune atmosferică utilizată în tratamente de suprafață*

Sept. 2000 – Iunie 2001

Profesor de fizică (clasele VI-X)

Liceul Pedagogic „V. Lupu”, Aleea Mihail Sadoveanu nr. 46, Iași

Tipul de activitate: Educație

EDUCAȚIE ȘI FORMARE

Nov. 2000 – Nov. 2005

Diplomă de Doctor în Fizică

(seria E, nr. 3064; Ordinul M.E.C. nr. 3824 / 03.05.2006)

Universitatea „Alexandru Ioan Cuza” din Iași

- Fizica Plasmei, Titlul tezei de doctorat: *Contribuții la studiul tratamentelor de suprafață în plasma descărcărilor barieră*; Coordonator Prof. Dr. Gheorghe Popa

Oct. 1998 – Iunie 2000

Diplomă de Master în Fizica Plasmei

(seria B, nr. 889)

Universitatea „Alexandru Ioan Cuza” din Iași

- Fizica Plasmei, Titlul disertației: *Interacțiunea plasmei cu suprafața solidă*

Oct. 1994 – Iunie 1998

Diplomă de Licență în Fizică

(seria R, nr. 18589)

Universitatea „Alexandru Ioan Cuza” din Iași

- Sept. 1990 – Iunie 1994

Diplomă de Bacalaureat
(seria L, nr. 30509)
Liceul Teoretic "Nicolae Bălcescu", Brăila, România

 - Specializarea: Fizică
 - Profil: Matematică – Fizică

- 18 – 28 Iunie 2023
29 Iunie – 2 Iulie 2023

Mobilitate de predare CEEPUS (CIII-AT-0063)
Mobilitate de predare și formare ERASMUS+ KA 131-HED-000063703

University of Innsbruck, Institute for Ion Physics and Applied Physics, Technikerstr. 25/3, 6020 Innsbruck, Austria

Tema - CEEPUS: *The physics, diagnosis and applications of novel atmospheric-pressure low-temperature plasmas*
Tema - ERASMUS: *Atmospheric plasma physics and its applications*

- 1 – 30 Dec. 2014
12 – 24 Aug. 2014

Mobilitate de predare CEEPUS (CIII-AT-0063)
Mobilitate de predare LLP - ERASMUS

University of Innsbruck, Institute for Ion Physics and Applied Physics, Technikerstr. 25/3, 6020 Innsbruck, Austria

 - Tema - CEEPUS: *Non-thermal Atmospheric - Pressure Plasmas and their Applications*
 - Tema - ERASMUS: *Atmospheric - Pressure Plasma Physics*

- Iulie – Sept. 2009
Sept. – Nov. 2008
Sept.– Nov. 2007

Cercetător invitat

Risø DTU, Optics and Plasma Research Department, Technical University of Denmark, Frederiksborgvej 399, Roskilde – 4000, Denmark

 - *Atmospheric pressure plasma produced inside of closed packages used for bacterial inactivation*
 - *Optical diagnostics and optimization of dielectric barrier discharges and micro discharges*

- Apr. 2006 – Iun. 2006
5 – 22 Dec. 2007
9 – 22 Dec. 2008

Bursa ONBSS (finanțată de Guvernul României) - obținută prin competiție
Mobilități Brâncuși

Laboratoire de Physique des Gaz et des Plasmas, Université Paris-Sud, Bat. 210, 15 rue G Clémenceau, 91405 Orsay Cedex, Paris, France

 - *Volatile organic compounds decomposition (2-heptanone) by dielectric barrier discharge in air and nitrogen.*
 - *Properties and diagnosis of the atmospheric plasma discharges. Volatile organic compounds decomposition by atmospheric plasma*

- Oct. 2003 – Martie 2004

Bursa Erasmus

Laboratoire de Physique des Gaz et des Plasmas, Université Paris-Sud, Bat. 210, 15 rue G Clémenceau, 91405 Orsay Cedex, Paris, France

 - *Acetaldehyde decomposition by a.c. dielectric barrier discharge in dry and humid air.*

COMPETENȚE PROFESIONALE

Activitatea de cercetare

- Domenii de competență: Fizica plasmelor la presiune atmosferică, Diagnoza plasmelor de ne-echilibru, Generarea și optimizarea plasmelor la presiune atmosferică pentru aplicații precum: protejarea mediului înconjurător, tratamente de suprafață și inactivare biologică; Chimia plasmelor

Publicații științifice

- 27 articole științifice cotate ISI (dintre care 18 ca prim autor și 4 ca autor corespondent; 9 publicate în reviste ISI din quartila Q1, iar 8 în reviste ISI din quartila Q2)

Prezentări- Conferințe

- 55 de contribuții științifice la conferințe internaționale (dintre care 27 proceedings-uri, 1 lecție invitată, 7 prezentări orale) și 11 participări la conferințe naționale

Citări

- peste 530 citări în articole științifice cotate ISI (excluzând auto-citările), 22.15 citări / articol
- h (Hirsh) index: 15 (Web of Science);

- Proiecte de cercetare**
- Director a două granturi de cercetare:
 - Director grant CNCSIS, Programe anuale pentru tineri - Tip AT, cod: 159/2007, Titlul: *Studiul mecanismului de formare a descărcării secundare în sisteme DBD în pulsuri, la presiune atmosferică*; finanțator: Consiliul National al Cercetării Științifice din Invatamantul Superior -CNCSIS, perioada: 2007-2008, suma totală: 160 000 Lei
 - Director grant CNCSIS, tip Tineri Doctoranzi-TD, cod: 353/2005, Titlul: "Diagnoza plasmei descărcărilor cu barieră dielectrică folosite în tratarea suprafețelor polimere"; finanțator: Consiliul National al Cercetării Științifice din Invatamantul Superior - CNCSIS, 2004 - 2005, suma totală: 5 000 RON
 - Membru în alte 15 granturi (dintre care 2 internaționale)
- Indicatori CNATDCU**
- Indicatori CNATDCU: I=4.615; P=10.468; C=131.395 (*pentru Profesor: I≥4; P≥4; C≥40*)

Activitatea didactică

- Cursuri**
- Cursuri (licență): Aplicații tehnologice ale fizicii plasmei (2009 – 2015; 2017 – 2021; 2023–2024); Fizica și tehnica vidului (2016; 2022); Conversia și stocarea energiei (2022; 2024); Fizică generală - pentru studenți străini (2004 - 2005).
 - Cursuri (master): Probleme actuale ale fizicii plasmei (*parțial – 2018 și 2020*); Biocompatibilitate și biomateriale (2021); Principii fizice de funcționare a dispozitivelor utilizate în fizioterapie (2020); Tehnici moderne utilizate în recuperarea medicală (2021-2024)
- Seminarii**
- Seminarii (licență): Fizica atomului și moleculei (2008 – 2010; 2021 – 2022), Fizica atomului (2008).
- Laboratoare**
- Laboratoare (licență): Aplicații tehnologice ale fizicii plasmei (2009 - 2015; 2017 - 2021; 2024), Fizica atomului (2009 – 2020), Fizica moleculei (2015 – 2020), Fizica atomului și moleculei (2009 – 2011; 2021-2023); Conversia și stocarea energiei (2022; 2024); Fizica și tehnica vidului (2016 și 2022), Mecanică (2009 – 2010), Oscilații și unde (2008 – 2009), Optică (2004 – 2005), Fizică generală - mecanică și fizică moleculară (2005, 2009).
 - Laboratoare (master): Probleme actuale ale fizicii plasmei (*parțial - 2018 și 2020*); Fizica materialelor II (polimeri) (2020), Fizica Polimerilor (2013 – 2016), Biomateriale și biocompatibilitate (2009 – 2013; 2021); Biomecanică (2011 – 2024), Principii fizice de funcționare a dispozitivelor utilizate în fizioterapie (2020); Tehnici moderne utilizate în recuperarea medicală (2021 – 2024), Elemente de structura materiei (2012 – 2018).
- Cărți, manuale, îndrumare de laborator:**
- Autor / co-autor a 3 cărți:
 - Alina Silvia Chiper, „*Aplicații tehnologice ale fizicii plasmei. Elemente introductive. Lucrări de laborator*”, Editura Universității „Alexandru Ioan Cuza” din Iași, 2023, ISBN: 978-606-714-810-7, 142 pagini;
 - Alina Silvia Chiper, „*Biomecanică. Lucrări de laborator*”, Editura Universității „Alexandru Ioan Cuza” din Iași, 2024, ISBN: 978-606-714-865-7, 208 pagini.
 - Alina Chiper, Cătălin Borcia, Ionuț Topală, Gabriela Borcia (coordonator), „*Fizica atomului și moleculei. Lucrări de laborator*”, Editura Universității „Alexandru Ioan Cuza” din Iași, 2014, ISBN: 978-606-714-090-3, 232 pagini.

COMPETENTE PERSONALE

Competențe și aptitudini organizaționale/manageriale

- Director a două granturi de cercetare
- Expert - Evaluator UEFISCDI (competițiile 2016 și 2019)
- Referent științific la multiple jurnale cotate ISI: Scientific Reports, Plasma Sources Science and Technology, Journal of Physics D: Applied Physics; Physics of Plasmas; IEEE Transactions on Plasma Science; Plasma Science & Technology; Surface and Coatings Technology; Materials Research Express; Central European Journal of Physics; Physica Scripta, Sensors & Actuators: A. Physical; Journal of Optoelectronics and Advanced Materials
- Membru în Comitetul Local de Organizare al conferințelor internaționale: ICPIG 2015; Inter-Academia 2017, 2011 și 2006; CPPA 2023, 2019, 2010 (secretar științific), 2005, 2003; Summer School - 2011: Plasma diagnostics by electrical probes and lasers.
- Membru în comitetul de organizare al manifestării locale European Researchers' Night 2013 - 2014 și 2018 - 2019.

Competențe dobândite la locul de muncă

Competențe și aptitudini tehnice: Tehnica ICCD de fotografiere ultra-rapidă; Tehnica spectroscopiei de emisie; Tehnica spectroscopiei de absorbție, folosind sisteme de diode-laser; Tehnici de analiză a suprafețelor: metoda unghiului de contact, analiză de spectre XPS și IR; Tehnica cromatografiei gazoase.

Competență digitală

Origin; Microsoft Office

Limba maternă

Româna

Alte limbi străine cunoscute

| | INTELEGERE | | VORBIRE | | SCRIERE |
|----------|------------|--------|----------------------------|--------------|---------|
| | Ascultare | Citire | Participare la conversație | Discurs oral | |
| Engleză | C1 | C1 | B2 | B2 | B2 |
| Franceză | B2 | B2 | B1 | B1 | A2 |

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
[Cadru european comun de referință pentru limbi străine](#)

INFORMATII SUPLIMENTARE

- Web of Science: <https://www.webofscience.com/wos/author/record/C-1694-2012>
- ORCID iD: <http://orcid.org/0000-0003-2630-2907>
- BRAINMAP: <https://www.brainmap.ro/alina-silvia-chiper>
- Google Scholar: <https://scholar.google.ro/citations?user=2Ud3LRsAAAAJ&hl=ro>

ANEXE

- Lista de publicații

Data,

18 Noiembrie 2024

Semnătura,

Conf. univ. dr. Alina Silvia Chiper

LISTA DE LUCRĂRI

Conf. univ. dr. Alina Silvia CHIPER

A. Articole publicate în reviste indexate ISI

1. **A. S. Chiper**, G. Borcia, *Stable Surface Modification by Cold Atmospheric-Pressure Plasma: Comparative Study on Cellulose-Based and Synthetic Polymers*, *Polymers*, vol. 15, nr. 20, 4172 (20pp) (2023). <https://doi.org/10.3390/polym15204172>; ***prim autor**
2. C Lazarou C Anastassiou, I Topala, **A S Chiper**, I Mihaila, V Pohoata and G E Georghiou, *The effect of Penning ionization reactions on the evolution of He with O₂ admixtures plasma jets*, *J. Phys. D: Appl. Phys.* 56 065203 (13pp) (2023). <https://doi.org/10.1088/1361-6463/acb1c1>; **# autor corespondent**
3. **A. S. Chiper**, *Tailoring the working gas flow to improve the surface modification of plasma-treated polymers*, *Materials Letters* 305, 130832 (2021). <https://doi.org/10.1016/j.matlet.2021.130832>; ***prim autor**
4. **A. S. Chiper**, *Systematic investigation of the pulsed barrier discharges in flowing and stationary gas: From differences to similarities*, *Physics of Plasmas* 28 (5), 053511 (16pp) (2021); <https://doi.org/10.1063/5.0043349>; ***prim autor**
5. C. Lazarou, **A. S. Chiper**, C. Anastassiou, I. Topala, I. Mihaila, V. Pohoata, G. E. Georghiou, *Numerical simulation of the effect of water admixtures on the evolution of a helium/dry air discharge*, *Journal of Physics D – Applied Physics*, vol. 52 (19), art. no. 195203 (22pp) (2019). [10.1088/1361-6463/AB06CD](https://doi.org/10.1088/1361-6463/AB06CD); **# autor corespondent**
6. C. Lazarou, C. Anastassiou, I. Topala, **A. S. Chiper**, I. Mihaila, V. Pohoata and G. E. Georghiou, *Numerical simulation of a capillary helium and helium-oxygen atmospheric pressure plasma jet: propagation dynamics and interaction with dielectric*, *Plasma Sources Sci. Technol.*, vol. 27 (10), art. no. 105007 (25pp) (2018). [10.1088/1361-6595/AADEB8](https://doi.org/10.1088/1361-6595/AADEB8); **# autor corespondent**
7. C. Lazarou, T. Belmonte, **A. S. Chiper**, G. E. Georghiou, *Numerical modelling of the effect of dry air traces in a helium parallel plate dielectric barrier discharge*, *Plasma Sources Sci. Technol.* Vol. 25 (5), art. no. 055023 (20pp) (2016). [10.1088/0963-0252/25/5/055023](https://doi.org/10.1088/0963-0252/25/5/055023)
8. C. Lazarou, D. Koukounis, **A. S. Chiper**, C. Costin, I. Topala, G. E. Georghiou, *Numerical modeling of the effect of the level of nitrogen impurities in a helium parallel plate dielectric barrier discharge*, *Plasma Sources Sci. Technol.*, vol 24 (3), art. no. 035012 (14pp) (2015). [10.1088/0963-0252/24/3/035012](https://doi.org/10.1088/0963-0252/24/3/035012)
9. I. G. Buda, C. Irimiea, C. Agheorghiesei, **and A. S. Chiper**, *Pulsed Atmospheric-Pressure DBD Plasma Produced in Small-Diameter Tubes*, *IEEE Transactions on Plasma Science*, vol. 43 (2), pp.572-579 (8pp) (2015), [10.1109/TPS.2015.2388494](https://doi.org/10.1109/TPS.2015.2388494); **# ultim autor și autor corespondent**
10. **A. S. Chiper**, G. Popa, *Temporally, spatially, and spectrally resolved barrier discharge produced in trapped helium gas at atmospheric pressure*, *Journal of Applied Physics*, vol. 113, art. no. 213302 (8pp) (2013), [10.1063/1.4809764](https://doi.org/10.1063/1.4809764); ***prim autor**
11. **A. Chiper**, G. Borcia, *Argon Versus Helium Dielectric Barrier Discharge for Surface Modification of Polypropylene and Poly(methyl methacrylate) Films*, *Plasma Chem Plasma Process*, vol. 33 (3), pp 553–568 (2013), [10.1007/S11090-013-9442-Z](https://doi.org/10.1007/S11090-013-9442-Z); ***prim autor**
12. **A. S. Chiper**, W. Chen, O. Mejlholm, P. Dalgaard and E. Stamate, *Atmospheric pressure plasma produced inside of a closed package by dielectric barrier discharge in Ar/CO₂ for bacterial inactivation of biological samples*, *Plasma Sources Sci. Technol.*, vol. 20, art. no. 025008 (10pp) (2011), [10.1088/0963-0252/20/2/025008](https://doi.org/10.1088/0963-0252/20/2/025008); ***prim autor**

13. **A. S. Chiper**, G. B. Rusu, C. Vitelaru, I. Mihaila, G. Popa, *A comparative study of helium and argon DBD plasmas suitable for thermosensitive materials processing*, Romanian Journal of Physics, vol. 56, pp. 126-131 (2011); ***prim autor**
14. **A. S. Chiper**, B. G. Rusu, G. Popa, *Influence of the Dielectric Surface Nonhomogeneities on the Dynamic of the Pulsed DBD Plasma*, IEEE Transaction on Plasma Science, vol. 39 (11), pp. 2200, 2011, [10.1109/TPS.2011.2150764](https://doi.org/10.1109/TPS.2011.2150764); ***prim autor**
15. **A. S. Chiper**, G. Popa, *Temporal and Spatial Resolved Emission Spectroscopy of a Pulsed Atmospheric-Pressure DBD in Helium With Impurities*, IEEE Transaction on Plasma Science, vol. 39 (11), pp. 2196 (2011), [10.1109/TPS.2011.2163322](https://doi.org/10.1109/TPS.2011.2163322); ***prim autor**
16. **A. S. Chiper**, N. Blin-Simiand, M. Heninger, H. Mestdagh, P. Boissel, F. Jorand, J. Lemaire, J. Leprovost, S. Pasquiers, G. Popa, C. Postel, *Detailed Characterization of 2-Heptanone Conversion by Dielectric Barrier Discharge in N₂ and N₂/O₂ Mixtures*, J. Phys. Chem. A, vol. 114 (1), pp. 397–407 (2010), [10.1021/JP907295D](https://doi.org/10.1021/JP907295D); ***prim autor**
17. **A. S. Chiper**, A. V. Nastuta, G. B. Rusu and G. Popa, *On surface elementary processes and polymer surface modifications induced by double pulsed dielectric barrier discharge*, Nuclear Instruments and Methods in Physics Research B, vol. 267 (2), pp. 313–316 (2009). [10.1016/J.NIMB.2008.10.051](https://doi.org/10.1016/J.NIMB.2008.10.051); ***prim autor**
18. **A. S. Chiper**, G. B. Rusu, A. V. Nastuta and G. Popa, *On the Discharge Parameters of a Glow-Mode DBD at Medium and Atmospheric Pressure*, IEEE Transactions on Plasma Science, vol. 37 (10), Part 2, pp. 2098–2102 (2009), [10.1109/TPS.2009.2028427](https://doi.org/10.1109/TPS.2009.2028427); ***prim autor**
19. R. Cazan, G. Borcia, **A. Chiper**, G. Popa, *Time-Space Resolved Distribution of oxygen metastable atoms in axially symmetrical atmospheric pressure barrier discharge*, Plasma Sources Sci. Technol. 17, 035020 (8pp), 2008, [10.1088/0963-0252/17/3/035020](https://doi.org/10.1088/0963-0252/17/3/035020)
20. **A. S. Chiper**, R. Cazan, G. Popa, *On the Secondary Discharge of an Atmospheric Pressure Pulsed DBD in He with Impurities*, IEEE Transactions on Plasma Science, vol. 36 (5), pp. 2824 – 2830 (2008), [10.1109/TPS.2008.2001425](https://doi.org/10.1109/TPS.2008.2001425); ***prim autor**
21. **A. S. Chiper**, A.V. Nastuta, G. B. Rusu, V. Pohoata, R. Cazan, G. Popa, *Optical diagnosis of double discharges in pulsed DBD with different barrier materials*, Journal of Optoelectronics and Advanced Materials, vol. 10 (8), pp. 1976 – 1980 (2008); ***prim autor**
22. A.V. Nastuta, G.B. Rusu, I. Topala, **A. S. Chiper**, G. Popa, *Surface modifications of polymer induced by atmospheric DBD plasma in different configurations*, Journal of Optoelectronics and Advanced Materials, vol.10 (8), pp. 2038–2042 (2008)
23. **A. S. Chiper**, A. Nastuta, G. Rusu and G. Popa, *Electrical characterisation of a double DBD in He at atmospheric pressure used for surface treatments*, Journal of Optoelectronics and Advanced Materials, vol. 9 (9), pp. 2926–2931 (2007); ***prim autor**
24. G. Borcia, **A. Chiper**, I. Rusu, *Using a He+N₂ dielectric barrier discharge for the modification of polymer surface properties*, Plasma Sources Science and Technology, vol. 15, pp. 849–857 (2006), [10.1088/0963-0252/15/4/031](https://doi.org/10.1088/0963-0252/15/4/031)
25. **A. S. Chiper**, N. Blin-Simiand, F. Jorand, S. Pasquiers, G. Popa, C. Postel, *Influence of water vapour on acetaldehyde removal efficiency by DBD*, Journal of Optoelectronics and Advanced Materials, vol. 8 (1), pp. 208 – 211 (2006); ***prim autor**
26. **A. S. Chiper**, N. Apetroaei, G. Popa, *Correlation between surface modifications induced on PET/TiO₂ sample by DBD plasma produced in He/N₂ gas mixture and plasma parameters*, Journal of Optoelectronics and Advanced Materials, vol.7 (5), pp. 2561–2569 (2005); ***prim autor**
27. **A. S. Chiper**, V. Anița, C. Agheorghiesei, V. Pohoățã, Maria Anița and G. Popa, *Spectroscopic diagnostics for a DBD plasma in He/Air and He/N₂ gas mixtures*, Plasma Process. Polym., vol. 1 (1), pp. 57–62 (2004). [10.1002/PPAP.200400003](https://doi.org/10.1002/PPAP.200400003); ***prim autor**

B. Articole publicate in extenso în reviste neindexate ISI

1. **A. S. CHIPER**, G. BORCIA, M. DOBROMIR AND G. POPA, HE AND AR DIELECTRIC BARRIER DISCHARGE FOR SURFACE MODIFICATION OF POLYMERS, *JOURNAL OF ADVANCED RESEARCH IN PHYSICS*, VOL 2 (2) 021104 (2011), "ALEXANDRU IOAN CUZA" UNIVERSITY PRESS, ISSN 2067-0451.
2. A. V. Manole, V. Melnig, R. Zonda, C. Văcăreanu, **S. A. Chiper**, *In vitro evaluation of platelet adhesion on polyurethane films and membranes*, Romanian Journal of Biophysics, 18(1), pp. 29-37 (2008), Editura Academiei Române, ISSN 1220-515X; CNCSIS (code: 615): B+ ; Indexed in IndexCopernicus ICV 5.24
3. **A.S. Chiper**, N. Apetroaei and G.Popa, *Surface modifications induced on the PET/TiO₂ sample by DBD produced in He and He/N₂ gas mixture*, Analele Științifice ale Univ. „Al. I. Cuza” din Iași – Fizica Plasmei și Spectroscopie, tom. L, p.127-134 (2004), ISSN 1453-0759

C. Cărți și capitole în cărți, manuale, îndrumare de laborator

1. **Alina Silvia Chiper**, „Aplicații tehnologice ale fizicii plasmei. Elemente introductive. Lucrări de laborator”, Editura Universității „Alexandru Ioan Cuza” din Iași, 2023, ISBN: 978-606-714-810-7, 142 pagini.
https://www.editura.uaic.ro/produse/domenii/stiinte_exacte/aplicatii-tehnologice-ale-fizicii-plasmei-elemente-introductive-lucrari-de-laborator-1967/1
2. **Alina Silvia Chiper**, „Biomecanică. Lucrări de laborator”, Editura Universității „Alexandru Ioan Cuza” din Iași, 2024, ISBN: 978-606-714-865-7, 208 pagini.
https://www.editura.uaic.ro/produse/domenii/stiinte_exacte/biomecanica-lucrari-de-laborator-2028/1
3. **A. Chiper**, C. Borcia, I. Topală, G. Borcia „Fizica atomului și moleculei. Lucrări de laborator”, (G. Borcia - coordinator), Editura Universității „Alexandru Ioan Cuza” Iași, 2015, ISBN: 978-606-714-090-3, 232 pagini.
https://www.editura.uaic.ro/produse/domenii/stiinte_exacte/fizica-atomului-si-moleculei-lucrari-de-laborator-1335/1

D. Articole publicate in extenso în volumele conferințelor internaționale de specialitate

D1. Articole in extenso publicate în Proceedings-uri indexate BDI

1. G. B. Rusu, A. V. Nastuta, **A. S. Chiper** and G. Popa, *On the discharge parameters of a glow mode DBD*, Proceedings - International Symposium on Discharges and Electrical Insulation in Vacuum, ISDEIV Volume 2, 2008, Article number 4676875, Pages 619-622; 23rd International Symposium on Discharges and Electrical Insulation in Vacuum, 23rd ISDEIV; Bucharest; Romania; 15 September 2008 through 19 September 2008; Category number CFP08430-PRT; Code 74846; ISSN: 1093-2941 (indexat SCOPUS)

D2. Articole in extenso publicate în Proceedings-uri neindexate

1. **A. S. Chiper**, M. E. Dorneanu, M. Dobromir, D. Buteica, C. M. Talasman, G. Borcia - *Surface modification of natural and synthetic polymers induced by pulsed atmospheric pressure plasma*, 32nd International Conference on Phenomena in Ionized Gases (ICPIG), July 26-31, 2015, Iași, Romania, 3 pages: <https://www.plasma.uaic.ro/icpig2015/Content/Posters/P3.24.pdf>
2. **A. S. Chiper** and G. Popa, *On the similarities between nitrogen impurities and trapped gas effects under the atmospheric pulsed barrier discharge in helium*, 32nd International Conference on

- Phenomena in Ionized Gases (ICPIG), July 26-31, 2015, Iași, Romania, 2 pages:
<https://www.plasma.uaic.ro/icpig2015/Content/Posters/P4.43.pdf>
3. **A. S. Chiper**, G. Popa, *Space-Time Behaviour of Reactive Excited Species in Pulsed DBD Plasma Produced Inside of a Closed Container*, 11th International Conference on Global Research and Education (inter-ACADEMIA), August 26-30, 2012, Budapesta, Ungaria, *Proceedings 11th International Conference on Global Research and Education in Engineers for Better Life*, pp. 331-337; oral presentaion
 4. C. Irimiea, **S. A. Chiper**, E.Stamate, *N₂ Dissociation in a matrix ECR plasma source*, Proceedings of International Plasma Symposium on Dry Process (DPS), November 15-16, 2012, Tokyo, Japan, ISBN: 978-4-86348-289-0, pp. 69-70
 5. **A. S. Chiper**, G. Popa, *On the discharge parameters of a pulsed DBD plasma produced inside of a closed polymer container*, 30th International Conference on Phenomena in Ionized Gases, August 28th – September 2nd 2011, Belfast, Northern Ireland, UK, cod lucrare: C10-288 (4 pages)
http://mpserver.pst.qub.ac.uk/sites/icpig2011/288_C10_Chiper.pdf
 6. G. Borcia, **A. S. Chiper**, I. Mihaila, C. Vitelaru and G. Popa, *Atmospheric-pressure dielectric barrier discharge in He and He+O₂ for surface modification of polymers*, 30th International Conference on Phenomena in Ionized Gases (ICPIG), August 28th – September 2nd 2011, Belfast, Northern Ireland, UK, cod poster: D13-300 (4 pages)
http://mpserver.pst.qub.ac.uk/sites/icpig2011/300_D13_Chiper.pdf
 7. **A. S. Chiper**, W. Chen and E. Stamate, *Diagnostics of DBD Plasma Produced Inside a Closed Package*, 19th International Symposium on Plasma Chemistry (ISPC), July 27-31, 2009, Bochum, Germany, 4 pages online: <http://www.ispc-conference.org/ispcproc/papers/144.pdf>, oral presentation
 8. **A. S. Chiper**, W. Chen, O. Mejlholm, P. Dalgaard, E. Stamate, *DBD Plasma Produced in a Closed Container Used for Bacterial Inactivation*, Proceedings of International Plasma Symposium on Dry Process (DPS), September 24 - 25, 2009, Busan, Korea, p. 219-220, poster presentation
 9. **A. S. Chiper**, V. Pohoata, A.V. Nastuta, G. Popa, *On the secondary discharge of an atmospheric pressure DBD driven by unipolar voltage pulses*, 19th Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases (ESCAMPIG), 15-19 July, 2008, Granada, Spain, 2 pp. on conference CD, Published by European Physical Society, ISBN: 2-914771-04-5, paper code: 3-36
 10. **A. S. Chiper**, N. Blin-Simiand, H. Mestdagh, M. Heninger, F. Jorand, S. Pasquiers, G. Popa, *Influence of the oxygen percentage on 2-heptanone removal efficiency by DBD*, 19th Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases (ESCAMPIG), 15-19 July, 2008, Granada, Spain, 2 pp. on conference CD, Published by European Physical Society, ISBN: 2-914771-04-5, paper code: 1-08
 11. S. Savy, N.Blin Simiand, F. Jorand, S. Pasquiers, C. Postel, **A. Chiper**, G. Popa, C. Dehon, M. Heninger, P. Boissel, J. Lemaire, H. Mestdagh, *By products issued from 2 heptanone conversion by DBD*, 19th Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases (ESCAMPIG), July 15-19, 2008, Granada, Spain, 2 pp. on conference CD, Published by European Physical Society, ISBN: 2-914771-04-5, paper code: 1-03
 12. **A. S. Chiper**, A. V. Nastuta, G. B. Rusu and G. Popa, *Influence of double pulsed DBD on the polymer surface properties*, The 7-th International Conference on Global Research and Education (inter-Academia), September 15 - 18, 2008, Pécs, Hungary, Proceedings – ISBN: 978-963-420-964-8, p. 208-215
 13. **A. S. Chiper**, Radu Cazan, Gheorghe Popa, *Secondary discharge in a pulsed dielectric barrier discharge in He at atmospheric pressure*, Inter-Academia for Young Researchers Workshop, 6-13 February 2007, Hamamatsu, Japan, pp. 21-22, oral presentation

14. **A. S. Chiper**, R. Cazan, V. Pohoata and G. Popa, *Temporal and Spatial Evolution of the Reactive Species in a Pulsed-DBD in He*, XXVIII International Conference on Phenomena in Ionized Gases (ICPIG), July 15-20, 2007, Prague, Czech Republic, paper in extenso on CD – Proceedings of XXVIII ICPIG, published by Institute of Plasma Physics AS CR, ISBN 978-80-87026-01-4, pp. 1058-1061
15. **A. S. Chiper**, Radu Cazan, Gheorghe Popa, *Influence of the dielectric materials and gas type to the behaviour of double discharges in a pulsed-DBD at atmospheric pressure*, 18th International Symposium on Plasma Chemistry (ISPC), August 26-31, 2007, Kyoto, Japan, 4 pages on conference CD, ISBN: 978-4-9903773-4-2, paper code: 27P-81,
16. R. Cazan, **A. Chiper**, G. Borcia and G. Popa, *Influence of the spatial distribution of reactive species on the surface modification of polymers by DBD*, 18th International Symposium on Plasma Chemistry (ISPC), August 26-31, 2007, Kyoto, Japan, 4 pages on conference CD, ISBN: 978-4-9903773-4-2, paper code: 28P-49
17. **A. S. Chiper**, I. Topala, V. Pohoata, G. B. Rusu, A. V. Nastuta, G. Popa, *Time-Space Distribution of the Excited Species in a double DBD in He*, The 2nd Inter-Academia for Young Researchers Workshop, September 26-30, 2007, Hamamatsu, Japan, Volume II, p. 712-720, oral presentation
18. **A. S. Chiper**, V. Pohoata, G. Popa, *Electrical and spectral diagnosis of the secondary discharge of the glow mode-DBD*, 18th Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases (ESCAMPIG), July 12-16, 2006, Lecce, Italy, Europhysics Conference Abstracts, published by European Physical Society, ISBN 2-914771-38-X, pp. 379-380
19. R. Cazan, **A. S. Chiper**, G. Popa, *Density of the oxygen metastable atoms in a DBD produced in He and He/O₂ mixture*, Proceedings of the 5-th annual International Conference on Global Research and Education (inter-Academia), September 25 – 28, 2006, Iasi, Romania, Analele Stiintifice ale universitatii "Al. I. Cuza", Supliment 2006, ISSN 1453-0759, pp.623-632
20. **A. S. Chiper**, C. Costin, V. Pohoată, C. Agheorghiesei, G. Popa, *On the peak current of a glow mode barrier discharge*, 4th International Conference on Global Research and Education, Inter-Academia 2005, September 19-22, 2005, Wuppertal, Germany, Proceedings, vol. 1, pp. 259-268
21. **A. S. Chiper**, N. Blin-Simiand, F. Jorand, S. Pasquiers, G. Popa, C. Postel, *Influence of the applied voltage type on the removal of gaseous acetaldehyde by DBD*, Proceedings of the 17th International Symposium on Plasma Chemistry (ISPC), August 7-12, 2005, Toronto, Canada, 6 pages on conference CD
22. **A. S. Chiper**, C. Costin, V. Pohoată, C. Agheorghiesei, G. Popa, *On increasing time of the peak current for a glow mode barrier discharge*, Proceedings of 27th International Conference on Phenomena in Ionised Gases (ICPIG), July 18-22, 2005, Eindhoven, The Netherlands, 4 pages on CD, ISSN 0963-0252, paper code: 04-395
23. G. Borcia, I. Rusu, **A. S. Chiper**, G. Popa, *Surface modification of polymers using He+N₂ DBD*, Proceedings of 27th International Conference on Phenomena in Ionised Gases, July 18-22, 2005, Eindhoven (ICPIG), The Netherlands, 4 pages on CD, ISSN 0963-0252, paper code: 10-169.
24. **A. S. Chiper**, N. Blin-Simiand, N. Dumitraşcu, F. Jorand, S. Pasquiers, G. Popa, C. Postel, *Characterisation of a dielectric barrier discharge in cylindrical geometry for physico chemical reactions*, Proceedings of the XVth International Conference on Gas Discharges and their Applications, Toulouse, France, September 5-10, 2004, vol. 1, pp. 299-302, oral presentation
25. **A. Chiper**, V. Anita, C. Agheorghiesei, V. Pohoată, Maria Anita and G. Popa, *Spectral diagnostics for a DBD plasma in air and He/N₂ gas mixture*, Proceedings of the 16th International Symposium on Plasma Chemistry, June 22-27, 2003, Taormina, Italy, 6 pages on conference CD, ISSN 1093-3611
26. M. Toma, Ioana-Alexandra Rusu, **A.S. Paraschivescu**, *Investigations on Nonlinear Behavior of a dc glow discharge plasma*, Proceedings of the 16th Europhysics Conference on Atomic and Molecular Physics of Ionized Gases (ESCAMPIG), 14-18 July, 2002, Grenoble, France, ISSN 0963-0252, pp. 235-237

E. Lucrări prezentate la conferințe internaționale, publicate în rezumat

1. C. Lazarou, L. Wang, A. Nikiforov, C. Leys, C. Anastassiou, I. Topala, **A. Chiper**, I. Mihaila, V. Pohoata, P. Vogel, A. Knodel, B. López, J. Reyes, A. Molina-Díaz, J. Franzke, G. Georghiou, *Understanding the evolution of a He and He/O₂ capillary plasma jet*, XXXIV International Conference on Phenomena in Ionized Gases (XXXIV ICPIG) and the 10th International Conference on Reactive Plasmas (ICRP-10), Joint Conference, July 14-19, 2019, Sapporo, Hokkaido, Japan, poster presentation (PO16PM-049)
2. C. Lazarou, C. Anastassiou, I. Topala, **A. Chiper**, I. Mihaila, V. Pohoata, G. Georghiou, *On the Plasma bullet shape of He and He/O₂ plasma jet devices and interaction with dielectric surface*, DPG Spring Meeting München, Germany, March 17 - 22, 2019 (P 4.6)
3. I. Topala, **A. S. Chiper**, V. Pohoata, I. Mihaila, C. Anastassiou, C. Lazarou, G.E. Georghiou, *On the Penning processes in atmospheric pressure plasma jet in helium with oxygen impurities*, XVIIIth International Conference on Plasma Physics and Application, June 20 – 22, 2019, Iasi, Romania (O-06)
4. C. Anastassiou, C. Lazarou, I. Topala, I. Mihaila, **A. S. Chiper**, V. Pohoata, G.E. Georghiou, *Capillary He and He-O₂ plasma jet simulation and experimental data*, 7th International Conference on Plasma Medicine, June 17-22, 2018, Philadelphia, SUA, poster presentation (PO-59).
5. C. Lazarou, C. Anastassiou, I. Topala, I. Mihaila, **A. S. Chiper**, V. Pohoata, G.E. Georghiou, *Numerical modelling of the effect of water admixtures in a helium/air parallel plate dielectric barrier discharge*, Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases (ESCAMPIG), July 17-21, 2018, Glasgow, Scotland, poster presentation (P116).
6. B. Hodoroaba, D. Ciubotaru, B. G. Rusu, **A. Chiper**, V. Pohoata, I. Mihaila and I. Topala, *Morphological and spectral features of interstellar carbon dust analogues deposited in high power regime DBD*, XXXIII ICPIG, July 9-14, 2017, Estoril/Lisbon, Portugal, Conference Proceedings - pp. 348
7. D. Ciubotaru, B. Hodoroaba, I. Mihaila, V. Pohoata, **A. S. Chiper** and I. Topala, *Interstellar carbon dust analogs: recent developments and synthesis by low pressure and atmospheric pressure plasma techniques*, 16th International Conference on Global Research and Education (inter-ACADEMIA 2017), September 25-28, 2017, Iasi, Romania, Book of Abstracts: iAY.08
8. C. B. Hodoroaba, D. Ciubotaru, **A. S. Chiper**, V. Pohoata, I. Mihaila, **I. Topala**, *Deposition of interstellar carbon dust analogs using barrier discharge driven by nanosecond high voltage pulses*, 17th International Conference on Plasma Physics and Applications, June 15 – 20, 2017, Magurele, Bucharest, Romania, Conference Proceedings – pp. 51
9. C. Lazarou, **A. S. Chiper**, C. Anastassiou, V. Pohoata, I. Mihaila, I. Topala and G. E. Georghiou, *Numerical and experimental investigation of the effect of N₂ and O₂ admixtures in a helium dielectric barrier discharge*, 17th International Conference on Plasma Physics and Applications, June 15 – 20, 2017, Magurele, Bucharest, Romania, Conference Proceedings - pp. 66
10. C. Anastassiou, C. Lazaro, **A. S. Chiper**, V. Pohoata, I. Mihaila, I. Topala and G. E. Georghiou, *Understanding the bullet evolution and its interaction with dielectrics in a capillary helium plasma jet*, 17th International Conference on Plasma Physics and Applications, June 15 – 20, 2017, Magurele, Bucharest, Romania, Conference Proceedings - pp. 35
11. **A. S. Chiper** and G. Popa, *Pulsed DBD plasma produced inside of a closed package*, 10th International Conference on Global Research and Education (inter-Academia), September 26-29, 2011, Sucevița, Romania, Book of Abstracts pp. 72, oral presentation and poster
12. **A. S. Chiper**, C. Vitelaru, C. Irimiea and G. Popa, *On the Reactive Species produced by Pulsed-DBD in Helium with impurities*, TIM 11 Physics Conference, November 24-27, 2011, Timișoara, Romania, Abstract Book of the Physics Conference TIM 11, p. 132

13. **A. S. Chiper**, C. Costin, C. Grecea, G. Popa, *Glow mode barrier discharge investigation by absorption and ICCD imaging*, 9th International Balkan Workshop on Applied Physics (IBWAP), July 7-9, 2008, Constanta, Romania, invited lecture
14. **A. S. Chiper**, V. Pohoata, R. Cazan, A. V. Nastuta, G. B. Rusu and G. Popa, *Fast imaging of double discharges in a pulsed DBD at atmospheric pressure*, Third International Workshop and Summer School on Plasma Physics, June 30 - July 5, 2008, Kiten, Bulgaria, pp. 44
15. **A. S. Chiper**, G. B. Rusu, A. V. Nastuta and G. Popa, *Influence of the polymer film position on the DBD treatment efficiency*, Third International Workshop and Summer School on Plasma Physics, June 30 - July 5, 2008, Kiten, Bulgaria, pp. 57
16. **A. S. Chiper**, A. V. Nastuta, G. B. Rusu, G. Popa, *On the surface elementary processes and polymer surface modifications induced by double pulsed DBD*, 4th Conference on Elementary Processes in Atomic Systems Cluj-Napoca, Romania, June 18-20, 2008, Book of Abstracts, ISBN: 978-973-647-596-2, pp.103
17. G. Popa, G. Borcia, **A. Chiper**, *Low temperature plasma systems used for fluid treatment*, ECO-NET Meeting, Modern Techniques in Atmospheric Physics and Chemistry, May 2 – 4, 2007, University of Szeged, Hungary
18. R. Cazan, **A. Chiper**, G. Borcia, G. Popa, *Tunable diode laser absorption spectrometry*, ECO-NET Meeting, Modern Techniques in Atmospheric Physics and Chemistry, May 2 – 4, 2007, University of Szeged, Hungary
19. **A. S. Chiper**, I. Topala, S. Pasquiers, G. Popa, *The secondary discharge behaviour in different discharge configurations of a pulsed-DBD at atmospheric pressure*, 8th International Balkan Workshop on Applied Physics (IBWAP), July 5-7th, 2007, Constanta, Romania, p. 146, poster presentation
20. R. Cazan, G. Borcia, **A. Chiper** and G. Popa, *Time-Space Distribution of Oxygen Metastable Atoms in an Axial Symmetrical Atmospheric Pressure Barrier Discharge*, 8th International Balkan Workshop on Applied Physics (IBWAP), July 5-7th, 2007, Constanta, Romania, p. 144 , oral presentation
21. G. B. Rusu, A. V. Nastuta, I. Topala, **A. S. Chiper** and G. Popa, *On the PET+TiO₂ surface modifications induced by atmospheric DBD plasma treatments in different configurations*, 8th International Balkan Workshop on Applied Physics (IBWAP), July 5-7th, 2007, Constanta, Romania, p. 152, poster presentation
22. **A. S. Chiper**, I. Topala, R. Cazan and G. Popa, *Optical diagnosis of the double discharge of an atmospheric pressure pulsed DBD with different types of barriers*, 14th International Conference on Plasma Physics and Application (CPPA), September 14-18, 2007, Brasov, Romania, pp. 77-78, poster
23. A. V. Nastuta, G. B. Rusu, I. Topala, **A. S. Chiper** and G. Popa, *Surface Modifications of Polymers Induced by Atmospheric DBD Plasma in Different Configurations*, 14th International Conference on Plasma Physics and Application (CPPA), September 14-18, 2007, Brasov, Romania, pp. 118, poster
24. R. Cazan, **A. Chiper**, G. Popa – „*Time-space distribution of the oxygen metastable atoms in a dielectric barrier discharge*”, 7th International Balkan Workshop on Applied Physics (IBWAP), July 5-7, 2006, Constanta, Romania, pp. 105
25. A. Nastuta, G. Rusu, I. Topala, **A. Chiper**, G. Popa, *Comparative Study of PET Surface Modifications by Atmospheric Plasma Treatment and UV Irradiation*, Conference on European Research in Cold Plasma Applications, 12-13 February, 2007, Iasi, Romania, ISBN 978-973-0-04933-6
26. **A. S. Chiper**, F. Jorand, S. Pasquiers, G. Popa, C. Postel, *Removal of VOC by Dielectric Barrier Discharge*, ECOLE D'ETE Physico-chimie de l'atmosphère: des expériences de laboratoire aux campagnes de terrain Université "Al. I. Cuza", July 2 – 14, 2006, Iasi, Romania
27. **A. S. Chiper**, N. Blin-Simiand, F. Jorand, S. Pasquiers, G. Popa, C. Postel, *Influence of water vapour on acetaldehyde removal efficiency by DBD*, 6th International Balkan Workshop on Applied Physics

(IBWAP), Constanta, Romania, July 5-7, 2005, pp. 95

28. G. Borcia, I. A. Rusu, **A. S. Chiper**, G. Popa, *Modification of polymer surface properties using He+N₂ dielectric barrier*, 6th International Balkan Workshop on Applied Physics (IBWAP), Constanta, Romania, July 5-7, 2005, pp. 99

F. Lucrări prezentate la conferințe naționale și publicate în rezumat

1. **A. Chiper**, G. Popa, *Electrical characterization of a non-equilibrium plasma produced inside a closed container*, Conferința Națională de Fizică (CNF), Septemer 23-25, 2010, Iași, Romania, poster
2. **A. S. Chiper**, G. Popa, *Influence of the nitrogen percentage and the pulse width on a glow mode He+N₂ DBD*, XIIIth Conference on Plasma Physics and Applications (CPPA), Iasi, Romania, October 27- 29, 2005, pp.56, poster
3. G. Borcia, N. Dumitrașcu, **A. S. Chiper**, G. Popa, *Surface Functionalization of Polymers Using Atmospheric Pressure Discharges*, XIIIth Confeference on Plasma Physics and Applications (CPPA), Iasi, Romania, October 27- 29, 2005, pp. 16
4. **A. S. Chiper**, N. Apetroaei, G. Popa, *On the polymer surface treatment by DBD in He+N₂ gas mixture*, Conferinta Nationala de Fizica (CNF), Bucharest, September 13-16, 2005, poster
5. **A. S. Chiper**, N. Blin-Simiand, F. Jorand, S. Pasquiers, G. Popa, C. Postel, *Removal of gaseous acetaldehyde by DBD*, Workshop on Fundamental and Applied Research in Physics (FARPhys), October 2004, Iasi, Romania, p. 49-50
6. **A. S. Chiper**, N. Apetroaei and G.Popa, *Surface modifications induced on the PET/TiO₂ sample by DBD produced in He and He/N₂ gas mixture*, XII Conference on Plasma Physics and Application (CPPA), Iasi, Romania, September 1-3, 2003, pp. 72, poster
7. M. Toma, **A. Paraschivescu**, Anisoara Morminches, *Discharge current characteristics as an "electrical method" for glow discharge plasma diagnosis*, Conferinta Nationala de Fizica (CNF), September 18-20, 2001, Iasi, Romania, p.166, poster
8. M. Toma, Ioana-Alexandra Rusu, **A. Paraschivescu**, *DL Low Temperature plasma sources in croised E x B fields*, Conferinta Nationala de Fizica (CNF), September 18-20, 2001, Iasi, Romania, p.165, poster
9. M. Toma, Ioana-Alexandra Rusu, V. Pohoata, **A. Paraschivescu**, *About the dependence of the electron drift velocity on the axial electric field in a positive column*, Conferinta Nationala de Fizica (CNF), September 18-20, 2001, Iasi, Romnia, p. 156, poster
10. M. Toma, **A. Paraschivescu**, V. Pohoata, *Effects of secondary electron emission on metallic electrode potential*, Conferinta Nationala de Fizica (CNF), September 21-23, 2000, Constanta, Romania, p. 78, poster
11. O. Baltag, M. Gheorghiu, **A. Paraschivescu**, G. Popa, D. Costandache, *High tension generator for dielectric barrier discharge*, XIth Conference on Plasma Physics and Applications (CPPA), September 6-8, 2001, Constanta, Romania, pp. 180-181, poster

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Semnătura,

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