



INFORMATII PERSONALE **Diana Iulia SAVU**

 Institutul National pentru Cercetare si Dezvoltare in Fizica si Inginerie Nucleara „Horia Hulubei”(IFIN-HH)

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<https://www.webofscience.com/wos/author/record/P-7880-2019>

Sexul F | Data nasterii 11/03/1967 | Nationalitate Romana

EXPERIENTA  
PROFESIONALA

2024- prezent

**Cercetator Stiintific I**

Institutul National pentru Cercetare si Dezvoltare in Fizica si Inginerie Nucleara „Horia Hulubei”

- Cercetari in domeniul radiobiologiei, biologiei moleculare si celulare, biochimie, biocompatibilitate, neurobiologie;
- Responsabilitati: coordonare si executie proiecte, conducere grup (17), responsabil stiintific UC EURATOM-RO Fisiune Nucleara si Radioprotectie

2005- prezent

**Cercetator Stiintific III**

Institutul National pentru Cercetare si Dezvoltare in Fizica si Inginerie Nucleara „Horia Hulubei”

- Cercetari in domeniul radiobiologiei, biologiei moleculare si celulare, biochimie, biocompatibilitate, neurobiologie;
- Responsabilitati: coordonare si executie proiecte, conducere grup (17), responsabil stiintific UCC EURATOM-RO Fisiune Nucleara si Radioprotectie

1997- 2005

**Cercetator Stiintific**

Institutul National pentru Cercetare si Dezvoltare in Fizica si Inginerie Nucleara „Horia Hulubei”

- Cercetare in domeniul radiobiologiei, biologie celulara si moleculara, biochimie; responsabilitati: executie proiecte, coordonare proiecte

1993- 1997

**Asistent Cercetare**

Institutul National pentru Cercetare si Dezvoltare in Fizica si Inginerie Nucleara „Horia Hulubei”

- Cercetare in domeniul radiobiologiei, biologie celulara si moleculara, biochimie; responsabilitati: executie proiecte

1992 – 1993

**Asistent Cercetare Stajiar**

Institutul National pentru Cercetare si Dezvoltare in Fizica si Inginerie Nucleara „Horia Hulubei”

- Cercetare in domeniul radiobiologiei, biologie celulara si moleculara, biochimie; responsabilitati: executie proiecte

EDUCAȚIE ȘI  
FORMARE

1994-2001

**Doctorat in Biologie/ Doctor in Stiinte Biologice**

Facultatea de Biologie, Universitatea din Bucuresti, Romania

- Titlul tezei: “Efecte citotoxice induse de contaminarea *in vivo* cu tritium”

### Master (Specializare) in Biochimie

Facultatea de Biologie, Universitatea din Bucuresti, Romania

- Specializare in biochimie

1985-1989

### Licentiat in Biologie

Facultatea de Biologie, Universitatea din Bucuresti, Romania

- Educatie de baza in biochimie

## PERSONAL SKILLS

Limba(i) maternă(e) Alte limbi străine cunoscute	Romana				
	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C1	C1	C1	C2	C2
Franceza	B2	B2	A1	A1	B1

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

- Competențe de comunicare**
- Abilitati de comunicare dobandite si din experienta ca sef de grup, director de proiect, membru in echipa de management, participant la conferinte;
- Competențe organizaționale/manageriale**
- coordonare grup (seful grupului de Biofizica si Radiobiologie - 17 persoane; sef adjunct al Departamentului de Fizica Vietii si Mediului -47 persoane, timp de 2 ani: 2018-2020
  - director de proiect
  - membru in echipa de management a proiectelor
  - responsabila cu testele realizate In laboratorul BioEval (<http://erris.gov.ro/Bioeval>)
  - indrumare teze de doctorat, master, licenta incepand cu anul 2001
  - eficienta, organizata
- Competențe dobândite la locul de muncă**
- realizare teste de citotoxicitate si genotoxicitate in regim de control al calitatii in concordanta cu SR EN ISO CEI 17025
  - culturi de celule, tehnici de biologie celulara si moleculara, spectroscopie UV-VIS, microscopie optica si de fluorescenta
- Competente digitale**
- Microsoft Office ( Excel, Power Point, Word ) Origin, Prism, alte softuri specifice echipamentelor
  - Programe de editare foto (Photoshop, Lightroom)

## INFORMATII SUPLIMENTARE

Stagii postdoctorale	2001-2008 – <b>stagii postdoctorale</b> la “The Faculty of Medicine”, “Ghent University”, Belgia - 8 stagii ipostdoctorale in cadrul a doua granturi bilaterale intre IFIN-HH si Gent University: (1) “The effect of T lymphocytes on oligodendrocytes; the irradiation effects” - <b>Prof. Dr. Leo de Ridder</b> si, (2) “The in vitro radiation response of lymphocytes in pathologies associated with oxidative stress – Multiple Sclerosis” - <b>Prof. Dr. Anne Vral</b>
Publicații	46 articole in reviste cotate ISI, 4 articole in reviste cotate ISI de tip review, 3 capitole carte, 4 proceedings-uri
Prezentari	140 prezentari orale si poster la conferinte nationale si internationale <a href="https://www.nipne.ro/dbpub/vizualizare_conferinte.php">https://www.nipne.ro/dbpub/vizualizare_conferinte.php</a>
Proiecte	<p><b>PN-III-P2-2.1-PED-2021-1827</b> contract 576PED/2022 „Sisteme medicale avansate pentru captarea de protoni cu bor pentru terapia cu protoni îmbunătățită”- Director (partener)</p> <p><b>RO-NO-2019-0510</b> contract 41/2021 „Development of new strategies of DNA repair inhibitors induced radiosensitization of glioblastoma exposed to low and high linear energy transfer radiotherapy” – Director</p> <p><b>PN-III-P2-2.1-PED-2019-4444</b> contract 543PED/2020 „Smart technology based on novel nanoparticles for improvement of photon and hadrontherapy” - Director</p> <p><b>PN-III-P3-3.1-PM-RO-FR-2019</b> 24BM/2019 ‘LOW DOSE IRRADIATION EFFECTS ON THE NORMAL CELLS / TUMORAL CELLS DIALOGUE’ – Director IFIN-HH ROMANIA</p> <p><b>JINR-RO 04-2-1132-2017/2019</b> ‘Developing new strategies to fight cancer by combining proton therapy with nanoparticles and imaging of radiation using Timepix-3 detectors’ –Director</p> <p><b>JINR-RO04-9-1077-2009/2020</b> ‘Radiosensitivity study of various cell cultures and peripheral blood lymphocytes (in vitro) after irradiation with electromagnetic and corpuscular ionizing radiation’ – <b>Co-PI</b></p> <p><b>PN-III-P1-1.2-PCCDI-2017-0769</b> 64PCCDI/2018: ‘Development of radiopharmaceuticals and nuclear techniques in oncology for imaging and personalized treatment at the molecular level’– responsabil grup IFIN-HH Proiect 4</p> <p><b>PN-III-P1-1.2-PCCDI- 2017-0371</b>18PED/2018– Extensive valorification of the experience in Space and Security activities- Director (partener)</p> <p><b>H2020 CONCERT</b> Grant Contract 001/2017- <b>ENGAGE</b> (CO-90-17-4453-00):Integration of Social Sciences and Humanities in Radiation Protection – Director IFIN-HH (partener) <a href="https://www.engage-h2020.eu/partners/ifin-hh">https://www.engage-h2020.eu/partners/ifin-hh</a></p> <p><b>H2020 (CONCERT EURATOM NFRP-07-2015 )</b>‘European Joint Programme for the Integration of Radiation Protection Research’ <a href="http://www.concert-h2020.eu/en/">http://www.concert-h2020.eu/en/</a>- participant</p> <p><b>Programe/ 5/5.1/ELI-RO</b> Electromagnetic shielding structures to assure Biological Safety during target hitting experiments performed on PW Laser facilities/BIOSAFE - participant</p> <p><b>POC-A1-A1.2.3-G-2015</b> “Increasing competitiveness through innovation and improved manufacturing processes by gamma irradiation technology” <b>membru in echipa de management</b></p> <p><b>CEEX Modul-4P-CONFORM</b> nr 112/2006 "Laborator acreditat de evaluare a biocompatibilitatii materialelor si dispozitivelor medicale" - Director de proiect</p> <p><b>PNCDI Viasan PED 282/2003</b> "Corelarea radiosensibilitatii celulare in vitro cu aparitia reactiilor adverse ale tesuturilor sanatoase in radioterapia pacientilor bolnavi de cancer" - Director de proiect</p>

Seminarii Lectii invitate	<p>2023 – seminar invitat la Oslo University Hospital (OUH), Oslo, Norvegia: “The promise of DNA damage response inhibitors for the treatment of glioblastoma”</p> <p>2019- lectie invitata: “New Developments in radiobiology with biomedical applications for cancer therapy” la “Turkish Physical Society- 35th International Physics Congress (TPS-35)”, Bodrum, Turcia, September 04-08, 2019.</p> <p>2018- lectie invitata: Bystander Effects of human chondrosarcoma cells irradiated with accelerated ions International Radiobiology Satellite, Bucharest</p> <p>2018- lectie invitata: Mitochondria-Nucleus communication protects against neurodegenerative processes International Radiobiology Satellite, Bucharest</p> <p>2018- lectie invitata: Multimodal treatments of radio-resistant cancer: emerging effective combined therapy of PARP-1 inhibitors and high-LET particle therapy, International Radiobiology Satellite, Bucharest</p> <p>2016- seminar invitat la DMU, Leicester, UK: “Bystander signaling and mitochondrial dysfunction”</p> <p>2013 lectie invitata: “Toxicity studies of nanostructured materials”, la “Biomimetic sensing using nano-objects (BioSun)”, 17-19 iunie 2013, Magurele, Romania</p>
Afiliari	<p>Membru: Societatea Romana de Biofizica pura si aplicata, Societatea Romana de Biochimie si Biologie Moleculara si Societatea Națională de Neuroștiințe Societatea europeana de cercetari in domeniul radiatiilor, (ERR) Society</p>
Editor	<p>Guest Editor la: IJMS, Pharmaceutics, Cancers</p> <p>Referentla: Scientific reports, Mutation Research; Int J Nanomedicine, Oncotargets, Medicina, IJMS, Oxidative Medicine and Cellular Longevity; Molecules, Nanotoxicology; Cancer Management and Research, Medicines</p>
Citari	<p>551 citari (fara autocitari), h-index 15</p>
Cursuri Burse Stagii de lucru	<p>2023–curs „Protectia radiologica la utilizarea surselor de radiatii ionizante”, nivel 1, 24.04.2023-27.04.2023, Bucuresti.</p> <p>2021-vizita de lucru la “The Resource Center for Hadrontherapy (ARCHADE)”, Caen, France</p> <p>2019- vizita de lucru la the Resource Center for Hadrontherapy (ARCHADE), Caen, France</p> <p>2017-vizita de lucru la “De Montfort University”, Leicester, UK</p> <p>2016-vizita de lucru la “De Montfort University”, Leicester, UK</p> <p>2011 - curs “Training course on Environmental risk assessment, the ERICA tool and mixture toxicity”, 3-5 Octombrie, Bucuresti.</p> <p>2001–vizita de lucru la “CEA Grenoble”, France pentru instruire in utilizarea tehnicii comet assay pentru detectarea leziunilor ADN</p> <p>2000 -2001 – <b>bursa IAEA</b> pentru participare la The National Research Institute for Radiobiology and Radiohygiene –“Frederic Joliot-Curie”, Budapest, Hungary pentru activitati practice in domeniul radiomicrobiologiei.</p> <p>2000 –stagiu de lucru la “The Radiohygiene and Radiobiology Institute”, Budapest, Hungary</p> <p>1999 –<b>bursa IAEA</b> pentru participarea la “Regional Training Course on Biodosimetry and Diagnosis of Health Effects of Exposure to Ionizing Radiation, RER/9/049, Istanbul, Turkey.</p> <p>1998 – travel fellowship for International Conference” Diagnosis and treatment of Radiation injury”, Rotterdam, NL</p> <p>1997- travel fellowship for ERR '97 meeting, Oxford ,UK</p> <p>1996 - curs CEFOR –Centre de Formation des Enseignants dans la Domaine des Sciences de la Vie, Espace Europeen de la Diffusion des Connaissances et de Reflexions Prospectives, Biochemistry, University of Bucharest</p> <p><b>1993 –IAEA and JINR</b> –bursa IAEA – pentru participare la “International University at Joint Institute for Nuclear Research, JINR Training Centre”, Dubna, Rusia.</p>