

Perioada (de la – până la)	09.1996-09.1999
Numele și adresa angajatorului	Institutul National de C&D pentru Fizica si Inginerie Nucleara “Horia Hulubei” (IFIN-HH)
Tipul activității sau sectorul de activitate	Cercetare-dezvoltare
Funcția sau postul ocupat	Cercetator Stiintific
Principalele activități și responsabilități	Responsabil de faza si participant la faze ORIZONT 2000 (4 teme) Responsabil tema ORIZONT 2000 Iradieri tehnologice. Operarea instalatiei pilot de iradiere IETI 10.000
Perioada (de la – până la)	02.1995 –09.1996
Numele și adresa angajatorului	Institutul de Fizica si Inginerie Nucleara
Tipul activității sau sectorul de activitate	Cercetare-dezvoltare
Funcția sau postul ocupat	Asistent Cercetare
Principalele activități și responsabilități	Iradieri tehnologice. Operarea instalatiei pilot de iradiere IETI 10.000

EDUCAȚIE ȘI FORMARE

Perioada (de la – până la)	10.2009-09.2019
Numele și tipul instituției de învățământ și al organizației profesionale prin care s-a realizat formarea profesională	Universitatea din Bucuresti Facultatea de Chimie
Domeniul studiat / aptitudini ocupaționale	Chimie fizica
Tipul calificării / diploma obținută	Doctor in domeniul Chimie
Nivelul de clasificarea formei de instruire/ învățământ în sistemul național sau internațional	Scoala doctorala
Perioada (de la – până la)	09.1994-07.1995
Numele și tipul instituției de învățământ și al organizației profesionale prin care s-a realizat formarea profesională	Universitatea din Bucuresti Facultatea de Fizica
Domeniul studiat / aptitudini ocupaționale	Fizica electronica
Tipul calificării / diploma obținută	Diploma de studii aprofundate
Nivelul de clasificarea formei de instruire/ învățământ în sistemul național sau internațional	Studii aprofundate
Perioada (de la – până la)	09.1989-06.1994
Numele și tipul instituției de	Universitatea din Bucuresti

învățământ și al organizației
profesionale prin care s-a realizat
formarea profesională

Domeniul studiat / aptitudini
ocupaționale

Tipul calificării / diploma obținută

Nivelul de clasificarea formei de
instruire/ învățământ în sistemul
național sau internațional

APTITUDINI ȘI COMPETENȚE PERSONALE

dobândite în cursul vieții și carierei dar
care nu sunt recunoscute neapărat
printr-un certificat sau diplomă

Facultatea de Fizica

Fizica tehnologica

Diploma de licență

Studii universitare

Director de curs IAEA (International Atomic Energy Agency – Vienna):

- Regional Training Course on the Implementation and Maintaining of Quality Management System (QMS) in Radiation Processing Facilities, Bucharest, Romania, 23-27 May 2016
- Regional Training Course on the Establishment and Implementation of Quality Management System (QMS) in Radiation Processing Facilities, Bucharest, Romania, 17-21 June 2013
- Regional Training Course on the establishment and implementation of Quality Management System (QMS) in radiation processing facilities, IAEA C7-RER-8.017-002/09, Bucharest, Romania, 12-16 October 2009

Organizator evenimente IAEA:

- Group Scientific Visit on QMS for Radiation Processing, Bucharest, Romania, 19-23 September 2022
- Regional Workshop on Radiation Processing for Cultural Heritage Preservation”, Bucharest, Romania, 18-22 November 2019

Lector IAEA:

- Regional Training Course on Guidelines and Standards of Quality Management for Radiation Processing Facilities, Kuala Lumpur, Malaysia, 28 November – 2 December 2022
- Virtual Regional Training Course on Preservation of Cultural Heritage Objects and Archived Materials using Ionizing Radiation, Instituto de Pesquisas Energeticas e Nucleares (IPEN-CNEN/SP), Sao Paulo, Brazilia, 1-5 November 2021
- Recent Developments in Irradiation Technology for Cultural Heritage Preservation and Restoration for Junior Specialists 7 to 11 December 2015. IRASM – IFIN-HH, Magurele, Romania
- Safe Operation of Irradiation Facilities, Institute of Nuclear Research and Technology, Warsaw, Poland 1-5 December 2014
- Demonstration of Techniques for Cultural Heritage Protection, RER8015, 9 -13 May 2011, Magurele - Ilfov, ROMANIA
- Feasibility Studies for the Establishment of Radiation Processing Facilities, IAEA RER/8/017, Zalakaros, Hungary, 28 August - 2 September 2011

Expert/Consultant IAEA:

- Expert Mission to provide lectures at the National Seminar on “Cultural Heritage Preservation Using Ionization Radiation Technology”, Centre for Energy Research, Budapest, Hungary 21.11.2023
- Expert Mission on Conserving and Preserving Cultural Heritage, Virtual Event: Home Based Assignment (HBA)/ IAEA Virtual Workshop on Conservation of Paper-Based Material, 18-20

November 2020

- Expert Mission on Dosimetry practices in radiation processing, Institute Ruder Boskovic, Zagreb, Croatia, 15 - 17 October 2019
- IAEA Consultancy Meeting on "Standard Operating Procedure for Preservation of Cultural Heritage", 01-05 July 2019, Vienna IAEA HQ
- Regional Workshop on the implementation of upgraded quality management systems to improve radiation processing procedures, Instituto Superior Técnico (IST), Universidade de Lisboa Departamento de Engenharia e Ciências Nucleares, Instituto de Plasmas e Fusão Nuclear/Laboratório de Aceleradores e Tecnologias de Radiação, 10 - 14 December 2018
- IAEA Consultants Meeting on "Quality Management Practices on Radiation Facilities", 03-06 July 2018, IAEA Headquarters Vienna, AUSTRIA
- Laboratories to support the gamma radiation processing facility in Republic of Moldova, MOL8006/01/01, 13 - 17 September 2010, Chisinau, Moldova
- Preparation of Guidelines for QA/QC in Radiation Processing, IAEA Vienna, Austria, 8-13 November 2009

Responsabil proiect international:

- RER1024 - Enhancing the Use of Radiation Technologies for Improved Resource Efficiency (2023-2026)
- RER1021 - Enhancing the Use of Radiation Technologies in Industry and Environment (2019-2023)
- RER1019 - Using advanced Technologies for Materials Processing" (2018-2019)
- IAEA TCP RER 1017/2016 Using Advanced Radiation Technologies for Materials Processing (2016-2017)
- IAEA TCP RER 1011/2012 Introduction and harmonisation of standardised quality control procedures in radiation technologies (2012-2015)

Limba(ile) maternă(e)

Romana

Engleza	Franceza	
---------	----------	--

abilitatea de a citi

bine	satisfacator	
------	--------------	--

abilitatea de a scrie

bine	satisfacator	
------	--------------	--

abilitatea de a vorbi

bine	satisfacator	
------	--------------	--

Aptitudini și competențe organizatorice

Director de proiect:

- PN23210301: Valorificare și recuperare sustenabilă a resurselor prin tehnologii asistate cu radiații ionizante pentru economia albastră și economia circulară (2023-2026)
- PN 19060302: Aplicații interdisciplinare ale iradierii gamma (PN 2019-2022)
- POC-G-ctr.139: Creșterea competitivității prin inovare și îmbunătățirea proceselor de fabricație cu iradiere gamma tehnologice (2016-2023)
- PN 19060302 Aplicații interdisciplinare ale iradierii gamma (2019-2022)
- PN 18090204: Metode și tehnici avansate de caracterizare a materialelor și studiul efectelor tratamentului cu radiații ionizante

pentru aplicatii ale iradierilor tehnologice si experimente de fizica nucleara (2018)

- PN 16420206 Metode si tehnici interdisciplinare de caracterizare a efectelor radiatiilor ionizante asupra unor materiale de interes pentru aplicatii ale iradierilor tehnologice si pentru experimente de fizica nucleara (2016-2017)

- PN 09370201: Autentificarea patrimoniului cultural si datarea prin termoluminescenta si luminescenta stimulata optic (2013-2015)

- PNCDI 2 – PARTENERIATE 92-083 / 2008 O sansa pentru viitorul arhivelor: Dezinfestare prin tratament cu radiatii ionizante (2008-2011)

- CEEEX M4-C2-4625/2006: Analize fizico-chimice de calificare a produselor pentru tratamentul cu radiatii ionizante (2006-2008)

Incepand din anul 2000 am avut atributii de coordonare, la inceput pentru o echipa de 4 operatori, ajungand in prezent la coordonarea unui departament de 35 de persoane. Din anul 2006 am fost director de proiecte CDI si am coordonat bugetele acestora, de o complexitate si valoare care a crescut gradual. Din anul 2009 am devenit responsabil al unor cooperari internationale (proiecte regionale IAEA).

Pe langa dezvoltarea treptata a aptitudinilor de coordonare si competentelor organizatorice, am participat la cursuri in acest domeniu: - "Auditori interni ai sistemului de management al calitatii", Fiatest, Bucuresti, februarie 2003; - "Monitorizarea proiectelor", AMCSIT POLITEHNICA, 2-4 martie 2005; - „Comunicare si relatii publice”, Fundatia pentru Democratie, Cultura si Libertate (FDCL), 20-21.06.2015

Aptitudini și competențe tehnice

Permis de lucru cu surse de radiatii (SI/AASI) nivel 2 eliberat de CNCAN, responsabil protectie/securitate radiologica (prin cursuri de specialitate si cursuri efectuate de/la producatorul de echipamente radiologice).

Analiza termica (termogravimetrie si calorimetrie dinamica diferentia), spectroscopie vibrationala (FT-IR, FT-Raman) si incercari mecanice (tractiune, penetrare, sfasiere) - in cadrul laboratorului de incercari fizico-chimice IRASM.

Permis(e) de conducere

Alte aptitudini și competențe

B

Atestat pentru Conservarea bunurilor culturale mobile; conservare - investigatii fizico - chimice R2/600 din 06.04.2015 eliberat de Ministerul Culturii.





Anexe

Lista de lucrari: https://www.nipne.ro/6754-staff_info.html

12.02.2024

Moise Ioan Valentin

PERSONAL INFORMATION Ioan Valentin MOISE

 Affiliation „Horia Hulubei” National Institute for R&D in Physics and Nuclear Engineering (IFIN-HH), Reactorului 30, Magurele, jud. Ilfov, 077125, Romania, www.nipne.ro
 +40214042320  +40740305135
 vmoise@nipne.ro

Sex Male | Date of birth 04/09/1970 | Nationality Romanian

WORK EXPERIENCE

08.2013- present: Head of IRASM Radiation Processing Center - department of IFIN-HH / Technological Development Engineer 1 (since 03.2024), Technological Development Engineer 2 (since 08.2021)

09.1999-08.2013: Scientific Researcher 3/ IRASM Chief Operator (since 2000), Radiation Safety Officer (since 1999), Quality Management Representative (2002-2013)

09.1996-09.1999: Scientific Researcher

02.1995-09.1996: Research Assistant

„Horia Hulubei” National Institute for R&D in Physics and Nuclear Engineering (IFIN-HH), Reactorului 30, Magurele, jud. Ilfov, 077125, Romania, www.nipne.ro

- Management and coordination of the activities of IRASM Radiation Processing Department (35 employees/11 researchers).
- Knowledge Transfer Project Director (POC-G) – responsible for subsidiary contracts with companies (4 contracts)
- Project responsible for Core Program (PN). Responsible for contracts with companies for radiation processing services.
- Radiation Safety Officer for IRASM Multipurpose Irradiation Facility
- Coordination of testing and treatment with ionizing radiation for the preservation of cultural heritage at the IRASM laboratory (Operating license no. 66/15.12.2014 and Operating license no. 70/30.07.2015)
- Management of the quality management system implemented at IRASM and certified according to ISO 9001, ISO13485/ISO 11137, ISO 15378, GMP (microbiology), veterinary GMP (gamma irradiation).

Business or sector Research and Development. Radiation Processing

EDUCATION AND TRAINING

2009-2019	PhD in Chemistry Bucharest University, Faculty of Chemistry <ul style="list-style-type: none"> ▪ Physical Chemistry 	EQF 8
1994-1995	Etudes Approfonde Diploma Bucharest University, Faculty of Physics <ul style="list-style-type: none"> ▪ Electronics Physics 	EQF 7
1994-1995	License Diploma Bucharest University, Faculty of Physics <ul style="list-style-type: none"> ▪ Technological Physics 	EQF 6

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
FRENCH	A2	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ Training course: „Communication and Public Relations”, Fundatia pentru Democratie, Cultura si Libertate (FDCL), 20-21.06.2015

Organisational / managerial skills

- Leadership: I am currently responsible for a team of 35 people (researchers, chemists, biologists, technicians).
- Training Course “Monitoring of projects”, AMCSIT POLITEHNICA, 2-4 martie 2005

Project Director:

- PN23210301: Sustainable utilization and recovery of resources through ionizing radiation assisted technologies for the blue and circular economy (2023-2026)
- PN 19060302: Interdisciplinary applications of gamma irradiation (PN 2019-2022)
- POC-G-ctr.139: Increasing competitiveness through innovation and improving manufacturing processes with technological gamma irradiation (2016-2023)
- PN 19060302: Interdisciplinary applications of gamma irradiation (2019-2022)
- PN 18090204: Advanced methods and techniques for characterizing materials and studying the effects of ionizing radiation treatment for technological irradiation applications and nuclear physics experiments (2018)
- PN 16420206: Interdisciplinary methods and techniques for characterizing the effects of ionizing radiation on some materials of interest for technological irradiation applications and for nuclear physics experiments (2016-2017)
- PN 09370201: Authentication of cultural heritage and dating by thermoluminescence and optically stimulated luminescence (2013-2015)
- PNCDI 2 – PARTENERIATE 92-083 / 2008: A chance for the future of archives: Disinfection through treatment with ionizing radiation (2008-2011)
- CEEEX M4-C2-4625/2006: Physico-chemical analyzes to qualify products for treatment with ionizing radiation (2006-2008)

Job-related skills

Counterpart for Romania in IAEA regional projects:

- RER1024-Enhancing the Use of Radiation Technologies for Improved Resource Efficiency (2023-26)
- RER1021-Enhancing the Use of Radiation Technologies in Industry and Environment (2019-22)
- RER1019 - Using advanced Technologies for Materials Processing” (2018-19)
- RER 1017 Using Advanced Radiation Technologies for Materials Processing (2016-17)
- RER 1011/2012 Introduction and harmonisation of standardised quality control procedures in radiation technologies (2012-15)

Course Director for IAEA Regional Training Courses:

- Regional Training Course on the Implementation and Maintaining of Quality Management System (QMS) in Radiation Processing Facilities, Bucharest, Romania, 23-27 May 2016
- Regional Training Course on the Establishment and Implementation of Quality Management System (QMS) in Radiation Processing Facilities, Bucharest, Romania, 17-21 June 2013
- Regional Training Course on the establishment and implementation of Quality Management System (QMS) in radiation processing facilities, IAEA C7-RER-8.017-002/09, Bucharest, Romania, 12-16 October 2009

IAEA Event Organizer:

- Group Scientific Visit on QMS for Radiation Processing, Bucharest, Romania, 19-23 Sept 2022
- Regional Workshop on Radiation Processing for Cultural Heritage Preservation”, Bucharest, Romania, 18-22 November 2019

Lecturer for IAEA Regional Training Courses:

- Regional Training Course on Guidelines and Standards of Quality Management for Radiation Processing Facilities, Kuala Lumpur, Malaysia, 28 Nov – 2 Dec 2022

- Virtual Regional Training Course on Preservation of Cultural Heritage Objects and Archived Materials using Ionizing Radiation, Instituto de Pesquisas Energeticas e Nucleares (IPEN-CNEN/SP), Sao Paulo, Brazilia, 1-5 November 2021
- Recent Developments in Irradiation Technology for Cultural Heritage Preservation and Restoration for Junior Specialists 7 to 11 December 2015. IRASM – IFIN-HH, Magurele, Romania
- Safe Operation of Irradiation Facilities, Institute of Nuclear Research and Technology, Warsaw, Poland 1-5 December 2014
- Demonstration of Techniques for Cultural Heritage Protection, RER8015, 9 -13 May 2011, Magurele - Ilfov, ROMANIA
- Feasibility Studies for the Establishment of Radiation Processing Facilities, IAEA RER/8/017, Zalakaros, Hungary, 28 August - 2 September 2011

IAEA Expert/Consultant

- Expert Mission to provide lectures at the National Seminar on "Cultural Heritage Preservation Using Ionization Radiation Technology", Centre for Energy Research, Budapest, Hungary 21.11.2023
- Virtual Consultancy Meeting on Processing of Cultural Artefacts Using Radiation Technology (EVT1905584), Vienna, Austria, 23-25 February 2021
- Expert Mission on Conserving and Preserving Cultural Heritage, Virtual Event: Home Based Assignment (HBA)/ IAEA Virtual Workshop on Conservation of Paper-Based Material, 18-20 November 2020
- Expert Mission on Dosimetry practices in radiation processing, Institute Ruder Boskovic, Zagreb, Croatia, 15 - 17 October 2019
- IAEA Consultancy Meeting on "Standard Operating Procedure for Preservation of Cultural Heritage", 01-05 July 2019, Vienna IAEA HQ
- Regional Workshop on the implementation of upgraded quality management systems to improve radiation processing procedures, Instituto Superior Técnico (IST), Universidade de Lisboa Departamento de Engenharia e Ciências Nucleares, Instituto de Plasmas e Fusão Nuclear/Laboratório de Aceleradores e Tecnologias de Radiação, 10 - 14 December 2018
- IAEA Consultants Meeting on "Quality Management Practices on Radiation Facilities", 03-06 July 2018, IAEA Headquarters Vienna, AUSTRIA
- Laboratories to support the gamma radiation processing facility in Republic of Moldova, MOL8006/01/01, 13 - 17 September 2010, Chisinau, Moldova
- Preparation of Guidelines for QA/QC in Radiation Processing, IAEA Vienna, Austria, 8-13 November 2009

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Experienced	Experienced	Experienced	Independent	Independent

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

Driving licence B

ADDITIONAL INFORMATION

- Publications ▪ 19 ISI (<https://www.webofscience.com/wos/author/record/1955522>)
- Projects ▪ National: 44 (9 Project Director), international: 10 (5 Romanian Counterpart)
- Conferences ▪ 175