


Informatii personale

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| <i>Prenume / Nume</i> | Mihael Cristin ICHIM | |
| <i>Adresa</i> | Str. Borzoghean, nr. 4, Piatra Neamt, 610091, Neamt, Romania | |
| <i>Telefon/Fax</i> | 0233/210809 (serviciu) | 0723/077714 (personal) |
| <i>E-mail</i> | crstin.ichim@incdsb.ro (serviciu) | cichim@hotmail.com / mccichim@gmail.com |
| <i>Nationalitate</i> | Romana | |
| <i>Data nasterii</i> | 28/07/1975 | |
| <i>Sex</i> | Masculin | |
| <i>Stare civila</i> | Casatorit (un copil) | |

Experienta profesionala

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|---|---|---|
| <i>Perioada / Functia sau postul ocupat</i> | august 2021 – mai 2021 – 2015 - iunie 2017 - prezent | Presedinte: Comisia de etica a INCDSB Director sucursala (interimar) Membru: Consiliul Stiintific a INCDSB Resposabil: DNA barcoding laboratory https://eeris.eu/ERIF-2000-000W-3136 |
| | august 2021 – mai 2021 – 2015 - iunie 2017 - prezent | Lider grup: Biologie si Ecologie Moleculara |
| | august 2021 – mai 2021 – 2015 - iunie 2017 - prezent | Cercetator stiintific gradul II (CS II) |
| | august 2021 – mai 2021 – 2015 - iunie 2017 - prezent | Cercetator stiintific gradul III (CS III) |
| | august 2021 – mai 2021 – 2015 - iunie 2017 - prezent | Cercetator stiintific (CS) |
| | august 2021 – mai 2021 – 2015 - iunie 2017 - prezent | Asistent cercetare stiintifica (ACS) |
| <i>Numele si adresa angajatorului</i> | Institutul National de Cercetare-Dezvoltare pentru Stiinte Biologice (INCDSB) Bucuresti / Centrul de Cercetari Biologice "Stejarul" Piatra Neamt (sucursala) Str. Alexandru cel Bun, nr. 6, Piatra Neamt, 610004, Romania www.incdsb.ro / www.ccb-stejarul.ro | |
| <i>Tipul activitatii sau sectorul de activitate</i> | Institut national de cercetare – dezvoltare (INCD) | |
| <i>Perioada / Functia sau postul ocupat</i> | noiembrie 2007 - septembrie 2008 | Asistent Cercetare Stiintifica (ACS) |
| <i>Numele si adresa angajatorului</i> | Universitatea „Alexandru Ioan Cuza”, Facultatea de Biologie Catedra de Biologie Moleculara si Experimentala Bvd. Carol I, nr. 22, 700505, Iasi www.bio.uaic.ro | |
| <i>Tipul activitatii sau sectorul de activitate</i> | Universitate | |
| <i>Perioada / Functia sau postul ocupat</i> | martie 2002 - februarie 2005 | Postgraduate Marie Curie Fellow |
| <i>Numele si adresa angajatorului</i> | European Commission DG Joint Research Centre Institute for Health and Consumer Protection Biotechnology and GMOs Unit Via E. Fermi, 2749, I-21027, Ispra (VA), Italy https://ec.europa.eu/jrc/en/about/jrc-site/ispra | |
| <i>Tipul activitatii sau sectorul de activitate</i> | Comisia Europeana (CE) | |

Educatie si formare
Doctorat

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|---|---|
| <i>Perioada</i> | 2005 – 2009 |
| <i>Calificarea / diploma obtinuta</i> | Doctor in stiinte biologice |
| <i>Discipline principale studiate</i> | Specializarea: Genetica (Prof. Univ. Dr. Ion I. BARA, Prof. Univ. Dr. Gogu GHIORGHITA) |
| <i>Titlul tezei</i> | "Dinamica unor regiuni de integrare a T-ADN-ului in genomul speciei <i>Arabidopsis thaliana</i> (L.) Heynh., in conditii de stres oxidativ" |
| <i>Numele institutiei de invatamant</i> | Universitatea „Alexandru Ioan Cuza” Iasi / Facultatea de Biologie |

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|---|--|
| Master | |
| <i>Perioada</i> | 2008 – 2009 |
| <i>Calificarea / diploma obtinuta</i> | Master in stiinte agronomice |
| <i>Discipline principale studiate</i> | Specializarea: Biosafety in Plant Biotechnology |
| <i>Numele institutiei de invatamânt</i> | Marche Polytechnic University (Ancona, Italia) |
| Perioada | |
| <i>Perioada</i> | 1999 – 2001 |
| <i>Calificarea / diploma obtinuta</i> | Master in stiinte biologice |
| <i>Discipline principale studiate</i> | Specializarea: Genetica Moleculara |
| <i>Numele institutiei de invatamânt</i> | Universitatea „Alexandru Ioan Cuza” Iasi / Facultatea de Biologie |
| Licenta | |
| <i>Perioada</i> | 1994 – 1998 |
| <i>Calificarea / diploma obtinuta</i> | Licenta in stiinte biologice |
| <i>Discipline principale studiate</i> | Specializarea: Biochimie |
| <i>Numele institutiei de invatamânt</i> | Universitatea „Alexandru Ioan Cuza” Iasi / Facultatea de Biologie |
| Liceu | |
| <i>Perioada</i> | 1990 - 1994 |
| <i>Calificarea / diploma obtinuta</i> | Bacalaureat |
| <i>Discipline principale studiate</i> | Chimie - Biologie |
| <i>Numele institutiei de invatamânt</i> | Liceul teoretic „Mihai Eminescu” (Birlad) |
| Granturi de participare | |
| Nume premiu / grant (anul) | Numele institutiei |
| <i>Mobility grant (2019)</i> | Romanian Ministry of Research and Innovation |
| <i>Mobility grant (2018)</i> | Romanian Ministry of Research and Innovation |
| <i>Mobility grant (2017)</i> | Romanian Ministry of Research and Innovation |
| <i>Travel Grant (2011)</i> | International Centre for Genetic Engineering and Biotechnology (ICGEB) |
| <i>Youth Travel Fund (2011)</i> | Federation of European Biochemical Societies (FEBS) |
| <i>Young Scientists Fellowship (2010)</i> | International Union of Biochemistry and Molecular Biology (IUBMB) |
| <i>Travel Grant (2010)</i> | European Commission / DG Joint Research Centre (EC/DG JRC) |
| <i>Youth Travel Fund (2009)</i> | Federation of European Biochemical Societies (FEBS) |
| <i>Travel Grant (2009)</i> | EU/FP7/Proiect Afrisafe |
| <i>Travel Grant (2008)</i> | Food and Agriculture Organization of the United Nations (FAO) |
| <i>FEBS Bursary (2007)</i> | Federation of European Biochemical Societies (FEBS) |
| <i>Travel Grant (2007)</i> | EU/FP7/Consortiul Biotethed |
| <i>Travel Grant (2006)</i> | Food and Agriculture Organization of the United Nations (FAO) |
| <i>Travel Grant (2004)</i> | International Centre for Genetic Engineering and Biotechnology (ICGEB) |
| <i>Travel Grant (2003)</i> | International Centre for Genetic Engineering and Biotechnology (ICGEB) |
| <i>Travel Grant (2002)</i> | Federation of European Biochemical Societies (FEBS) |
| Cursuri de specializare | |
| <i>Data / Locul</i> | 3-5 decembrie 2011 / Zagreb, Croatia |
| <i>Titlul cursului</i> | Field trials and post-release and post-market monitoring of GMOs |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | International Centre for Genetic Engineering and Biotechnology (ICGEB) |

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|---|--|
| <i>Data / Locul</i> | 20-26 februarie 2011 / Yerevan, Armenia |
| <i>Titlul cursului</i> | Genomic instability and pathways of response (FEBS Advanced Lecture Course) |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | Federation of European Biochemical Societies (FEBS) |
| <i>Data / Locul</i> | 23-27 martie 2009 / Martonvasar, Hungary |
| <i>Titlul cursului</i> | Biotic and abiotic stresses |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | Agrisafe Project (EU/FP7) Agricultural Research Institute of the Hungarian Academy of Sciences |
| <i>Data / Locul</i> | 20-25 august 2007 / Vilnius, Lituania |
| <i>Titlul cursului</i> | Biotechnology Ethics |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | BioTethed Consortium (EU/FP6) , Lithuanian Bioethics Committee |
| <i>Data / Locul</i> | 20-24 februarie 2006 / Izmir, Turcia |
| <i>Titlul cursului</i> | Electrophoretic methods and PCR-techniques for variety verification and GMO detection |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | International Seed Testing Organization (ISTA), Food and Agriculture Organisation (FAO) |
| <i>Data / Locul</i> | 12 ianuarie 2005 / Milano, Italia |
| <i>Titlul cursului</i> | Introduction into the ENSEMBL genomics webservices |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | ENSEMBL (UK), Universita' degli Studi di Milano-Bicocca (Italia) |
| <i>Data / Locul</i> | 19-23 aprilie 2004 / Trieste, Italy |
| <i>Titlul cursului</i> | Introduction to biosafety and risk assessment for the environmental release of Genetically Modified Organisms (GMOs): theoretical approach and scientific background |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | International Centre for Genetic Engineering and Biotechnology (ICGEB) |
| <i>Data / Locul</i> | 7-10 aprilie 2003 / Trieste, Italia |
| <i>Titlul cursului</i> | RNA structure and function |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | International Centre for Genetic Engineering and Biotechnology (ICGEB) |
| <i>Data / Locul</i> | 2-7 septembrie 2001 / Bucuresti, Romania |
| <i>Titlul cursului</i> | Recombinant DNA technology (FEBS Theoretical and Practical Course) |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | Federation of European Biochemical Societies (FEBS) |
| <i>Data / Locul</i> | 15-19 mai 1998 / Iasi, Romania |
| <i>Titlul cursului</i> | Immunology - Genetics - Pharmacology |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | European Foundation for Education (Tempus - Phare), CNRS, INSERM, Paris-Sud University (France) |
| <i>Data / Locul</i> | 7-19 iulie 1997 / Iasi, Romania |
| <i>Titlul cursului</i> | Glycobiology - Glycotechnology |
| <i>Diploma obtinuta</i> | Atestat |
| <i>Numele institutiei organizatoare</i> | French Ministry of Foreign Affairs, French Ministry of High Education and Research |

Burse de cercetare

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|---|--|
| <i>Perioada</i> | 01 octombrie 2005 – 30 septembrie 2008 |
| <i>Titlul aplicatiei</i> | „Instabilitate genomica si variabilitate moleculara la specia <i>Arabidopsis thaliana</i> ” |
| <i>Numele institutiei finantatoare/Schema</i> | Consiliul National al Cercetarii Stiintifice in Invatamantul Superior (CNCSIS)/ Bursa de cercetare stiintifica/creatie artistica pentru tineri doctoranzi (Bd) |
| <i>Perioada</i> | 1 martie 2002 – 28 februarie 2005 |
| <i>Titlul aplicatiei</i> | „GMO detection at protein level: improving of methods” |
| <i>Numele institutiei finantatoare/Schema</i> | European Commission, DG Joint Research Centre Institute for Health and Consumer Protection Biotechnology and GMOs Unit (Ispra, Italia)/ Marie Curie Postgraduate Fellowship (FP5) |
| <i>Perioada</i> | 01 octombrie 2005 – 30 septembrie 2006 |
| <i>Titlul aplicatiei</i> | „Dinamica unor regiuni de integrare a T-ADN-ului in genomul speciei <i>Arabidopsis thaliana</i> (L.) Heynh., in conditii de stres oxidativ” |
| <i>Numele institutiei finantatoare/Schema</i> | Ministerul Educatiei si Cercetarii, Universitatea „Al. I. Cuza” Iasi/ Bursa doctorat |

Director granturi de cercetare

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|---|---|
| <i>Perioada</i> | 01 iulie 2014 – 30 aprilie 2017 |
| <i>Contract & titlul proiectului</i> | 2SEE/2014 “Molecular authentication of complex herbal food supplements for safety and efficacy” (Phytoauthent) www.phytoauthent.webs.com www.eeagrants.org/project-portal/project/RO14-0019 |
| <i>Numele institutiei finantatoare/Schema</i> | EEA Financial Mechanism 2009 - 2014 / Research within Priority Sectors |
| <i>Perioada</i> | 01 noiembrie 2012 – 30 noiembrie 2015 |
| <i>Contract & titlul proiectului</i> | 199EU/2012 “Assessing and monitoring the impacts of Genetically modified plants on agro- ecosystems” (AMIGA) http://199eu.webs.com |
| <i>Numele institutiei finantatoare/Schema</i> | UEFISCDI / PNIII / Capacitati-Modulul III / FP7 |
| <i>Perioada</i> | 01 octombrie 2008 – 30 noiembrie 2011 |
| <i>Contract & titlul proiectului</i> | 32-151/2008 „Genul <i>Veronica</i> - identificarea interrelatiilor intre diversitatea biologica si cea ecologica a speciilor identificate in arii protejate si la nivel national, in scopul caracterizarii, conservarii si gestionarii durabile a resurselor genetice” |
| <i>Numele institutiei finantatoare/Schema</i> | Agentia Nationala pentru Cercetare Stiintifica (ANCS)/ Centrul National de Management Programe (CNMP) / Parteneriate in Domenii Prioritare (PNII) |
| <i>Perioada</i> | 01 octombrie 2007 – 30 septembrie 2008 |
| <i>Contract & titlul proiectului</i> | 235/2007 „Dinamica unor regiuni de integrare a T-ADN-ului in genomul speciei <i>Arabidopsis thaliana</i> (L.) Heynh., in conditii de stres oxidativ” |
| <i>Numele institutiei finantatoare/Schema</i> | Consiliul National al Cercetarii Stiintifice in Invatamantul Superior (CNCSIS)/ PNII / Granturi de cercetare pentru tineri doctoranzi (tip TD) |
| <i>Perioada</i> | 2000-2001 |
| <i>Contract & titlul proiectului</i> | 35/2000 „Izolare de germoplasma toleranta la aluminiu (Al ³⁺) la soiuri romanesti de grau (<i>Triticum aestivum</i> L.)” |
| <i>Numele institutiei finantatoare/Schema</i> | Academia Romana / Granturile Academiei Romane (GAR) |

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| Responsabil granturi de cercetare | |
| <i>Perioada</i> | 01 ianuarie 2022 – 31 decembrie 2026 |
| <i>Contract & titlul proiectului</i> | „BIOSCAN: Tracing the Patterns of Life on a Changing Planet” Rol: Responsabil Partener INCDSB (Co-aplicant) https://www.sshrc-crsh.gc.ca/funding-financement/nfrf-fnfr/transformation/2020/award_recipients-titulaires_subvention-eng.aspx |
| <i>Numele institutiei finantatoare/Schema</i> | Government of Canada, Transformation 2020 scheme |
| <i>Perioada</i> | 01 decembrie 2011 – 30 aprilie 2016 |
| <i>Contract & titlul proiectului</i> | GA 289706 "Assessing and monitoring the impacts of Genetically modified plants on agro-ecosystems" (AMIGA) Rol: Responsabil INCDSB (P11) www.amiga.enea.it https://cordis.europa.eu/project/id/289706 |
| <i>Numele institutiei finantatoare/Schema</i> | European Commission, FP7-KBBE-2011-5-CP |
| Participant in alte proiecte, initiative si retele COST | Titlu initiativa: International Barcode of Life Consortium (iBOL) https://ibol.org/about/ibol-consortium Membru – Science Committee (SC) https://ibol.org/about/ibol-consortium/science-committee |
| | Program de cercetare BIOSCAN (2019-2026) – Partener https://ibol.org/programs/bioscan |
| | Titlu retea COST "Genome editing in plants - a technology with transformative potential" (PlantEd) (COST Action CA18111) (2019-2023) (Rol: Coordinator al partenerului roman & membru al Comitetului de Management al Actiunii) www.cost.eu/actions/CA18111 https://plantgenomeediting.eu |
| | Titlu retea COST "Modifying plants to produce Interfering RNA" (iPLANTA) (COST Action CA15223) (2016-2020) Rol: member al echipei romanesti / Coordonatorul echipei romanesti: Dr Ioan Zagrai Coordonatorul actiunii COST: Prof. Bruno Mezzetti http://www.cost.eu/COST_Actions/ca/CA15223 http://iplanta.univpm.it |
| | Titlu proiect: "Development of methods for the detection, identification and quantification of genetically modified organisms" (DIQGMO) (proiect nr. 18687-2001-11 F1ED ISP BE, EC-JRC) (2003-2005) (Rol: cercetator echipa EC-JRC) (Coordinator proiect: Dr. Marc De Loose) 17 proiecte nationale de CDI (1998-2002; 2005-prezent) |
| Membru organizatii profesionale | International Society for Biosafety (ISBR) International Seed Testing Association (ISTA) International Union of Biochemistry and Molecular Biology (IUBMB) International Organisation for Biotechnology and Bioengineering (IOBB) Federation of European Biochemical Societies (FEBS) European Federation of Biotechnology (EFB) Societatea Romana de Biochimie si Biologie Moleculara (SRBBM) |
| | |
| Expert & evaluator | Membru al Comisiei Nationale pentru Securitate Biologica (CSB) (2012-2023) Ministerul Mediului si Padurilor / Agentia Nationala pentru Protectia Mediului (ANPM) Evaluator European Commission: H2020-MSCA-RISE-2020, HORIZON-MSCA-2021-PF-01 Evaluator European Science Foundation (ESF College of Expert Reviewers 2022-2025) https://www.esf.org/community-of-experts/college-of-expert-reviewers |
| | Evaluator: Polish-Norwegian Research Programme (EEA and Norway Grants) / National Centre for Research & Development (NCBiR) (www.ncbr.gov.pl) Expert evaluator extern: Bulgarian National Science Fund / Ministry of Education, Youth and Science Evaluator: ANCS/PNII, UEFISCDI/PNIII |
| | Review Editor: Frontiers in Plant Science (WoS IF=6,627) Subject Editor: Metabarcoding and Metagenomics Journal (Scopus CiteScore=7,9) |

Competente personale

| Limba materna | Romana | | | | | | | | | |
|-----------------------|---------------|----------|------------|----------|----------------------------|----------|--------------|----------|------------------|----------|
| | Limbi straine | | | | | | | | | |
| | Autoevaluare | | Intelegere | | Vorbire | | | | Scriere | |
| Nivel european (*) | Ascultare | | Citire | | Participare la conversatie | | Discurs oral | | Exprimare scrisa | |
| Limba engleza | C2 | Excelent | C2 | Excelent | C2 | Excelent | C2 | Excelent | C2 | Excelent |
| Limba italiana | C1 | Excelent | B2 | Bine | C1 | F. bine | B2 | Bine | B1 | Bine |
| Limba franceza | A2 | Bine | A2 | Bine | A2 | Bine | A2 | Baza | A2 | baza |

Competente si cunostinte de utilizare a calculatorului Microsoft Office (Word, Excel, PowerPoint, Internet Explorer, Outlook), Adobe Acrobat, Corel Draw, programe bioinformatic

Articole stiintifice (full text) publicate in reviste cotate WoS:
Autor principal:

1. **Ichim MC, Booker A** (2021) Chemical authentication of botanical ingredients: A review of commercial herbal products. *Frontiers in Pharmacology* 12:666850. (WoS Q1)
<https://doi.org/10.3389/fphar.2021.666850>
2. **Ichim MC, de Boer HJ** (2021) A Review of authenticity and authentication of commercial ginseng herbal medicines and food supplements. *Frontiers in Pharmacology* 11:612071. (WoS Q1)
3. **Ichim MC** (2021) The more favorable attitude of the citizens toward GMOs supports a new regulatory framework in the European Union. *GM Crops & Food*. 12(1):18-24. (WoS Q1)
<https://doi.org/10.1080/21645698.2020.1795525>
4. **Ichim MC, Häser A, Nick P** (2020) Microscopic authentication of commercial herbal products in the globalized market: Potential and limitations. *Frontiers in Pharmacology* 11:876. (WoS Q1)
<https://www.frontiersin.org/articles/10.3389/fphar.2020.00876/abstract>
5. **Grosu E, Ichim MC** (2020) Turning meadow weeds into valuable species for the Romanian ethnomedicine while complying with the environmentally friendly farming requirements of the European Union's Common Agricultural Policy. *Frontiers in Pharmacology* 11:529. (WoS Q1)
<https://doi.org/10.3389/fphar.2020.00529>
6. **Ichim MC** (2019) The DNA-based authentication of commercial herbal products reveals their globally widespread adulteration. *Frontiers in Pharmacology* 10:1227. (WoS Q1)
<https://doi.org/10.3389/fphar.2019.01227>
7. **Ferrante M, Lövei GL, Magagnoli S, Minarcikova L, Tomescu EL, Burgio G, Cagan L, Ichim MC** (2019) Predation pressure in maize across Europe and in Argentina: an intercontinental comparison. *Insect Science* 26(3): 545-554. (WoS Q1)
<https://doi.org/10.1111/1744-7917.12550>
8. **Ichim MC** (2019) The Romanian experience and perspective on the commercial cultivation of genetically modified crops in Europe. *Transgenic Research* 28(1): 1-7. (WoS Q2)
<https://doi.org/10.1007/s11248-018-0095-9>

Co-autor:

1. **Raclariu AC, Heinrich M, Ichim MC, de Boer HJ** 2018 Benefits and limitations of DNA barcoding and metabarcoding in herbal product authentication. *Phytochemical Analysis* 29(2):123-128. (WoS Q2)
<https://onlinelibrary.wiley.com/doi/full/10.1002/pca.2732>
2. **Raclariu AC, Tebrencu CE, Ichim MC, Ciuperca OT, Brysting AK, de Boer HJ** 2018 What's in the box? Authentication of Echinacea herbal products using DNA metabarcoding and HPTLC. *Phytomedicine* 44: 32-38. (WoS Q1)
<https://doi.org/10.1016/j.phymed.2018.03.058>
3. **Raclariu AC, Mocan A, Popa MO, Vlase L, Ichim MC, Crisan G, Brysting AK, de Boer HJ** 2017. *Veronica officinalis* product authentication using DNA metabarcoding and HPLC-MS reveals widespread adulteration with *Veronica chamaedrys*. *Frontiers in Pharmacology* 19(8):378. (WoS Q1)
<http://journal.frontiersin.org/article/10.3389/fphar.2017.00378/full>
4. **Raclariu AC, Paltinean R, Vlase L, Labarre A, Manzanilla V, Ichim MC, Crisan G, Brysting AK, de Boer HJ** 2017. Comparative authentication of *Hypericum perforatum* herbal products using DNA metabarcoding, TLC and HPLC-MS. *Scientific Reports* 7(1):1291. (WoS Q1)
<https://www.nature.com/articles/s41598-017-01389-w>
5. **de Boer HJ, Ichim MC, Newmaster SG** (2015) DNA barcoding and pharmacovigilance of herbal medicines. *Drug Safety* 38:611-620. (WoS Q1)
<http://link.springer.com/article/10.1007/s40264-015-0306-8>

25 iulie 2022

Dr Mihael Cristin ICHIM

