

PERSONAL INFORMATION

Vasiliev Irina



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Sex Female | Date of birth 16/04/1987 | Nationality Moldovan

POSITION Researcher

WORK EXPERIENCE

- 2023-Present **Researcher**
Institute of Power Engineering, Technical University of Moldova
- 2020–2022 **Researcher**
Institute of Power Engineering, Ministry of Education, Culture and Research of the Republic of Moldova, Chisinau
- 2017–2019 **Engineer**
Institute of Power Engineering of the Academy of Science of the Republic of Moldova
- 2009–2011 **Energy engineer, The Technical and Production Department**
JSC "Termocom", Chisinau (Moldova)
- 2008–2009 **Operator, Comercial Departament**
ICS "Union Fenosa", Chisinau (Moldova)
- 2009 **License practice, Department of Energy Acquisition Regulation**
ICS "Union Fenosa", Chisinau (Moldova)

EDUCATION AND TRAINING

- 2023 **Professional training course "Practical aspects of the energy audit in buildings", between February 1 – 21, 2023**
USAID, AEE, UTM
- 2022 **Training workshop "Inventory of GHG emissions in the energy sector", between October 31 - November 1, 2022**
EU4Climate, Ministry of Environment
- 2022 **Training: The 12th edition of Startup Weekend September 16-18, 2022, Vadul lui Voda**
Startup Moldova, Techstars
- 2022 **Certificate of completion of the "Green Economy" courses**
UN Climate Change Learning Partnership

- 2022 Training Workshop, Turkey, Istanbul. Transport Special soft for calculated Emissions from Road Transport COPERT5.5
CLRTAP Convention
- 2022 Workshop on Air Pollutant Emission Inventories, QGIS soft
UNECE, Convention on Long-Range Transboundary Air Pollution
- 2022 Training on Municipal Energy Management (MEM), Energy Management Information System (EMIS), Measurement, Reporting and Verification (MRV) in the building sector
UNECE, PNUD, AEE
- 2021 Certificate of Proficiency in courses: Technical review of greenhouse gas emissions, emission trends, projections, and the total effect of policies and measures
UNFCCC Learning Management System (LMS)
- 2021 Certificate of Proficiency in courses: General and cross-cutting aspects of the review of national communications and biennial reports
UNFCCC Learning Management System (LMS)
- 2021 Training: Workshop on Air Pollutant Emission Inventories.
Gridded Emissions Training, QGIS Course
Convention on Long-Range Transboundary Air Pollution Environment Division CLRTAP
- 2020 Certificate of Proficiency in courses 501 IPCC and 511 IPCC
UNFCCC, IPCC Guidelines Training Program
- 2019 Certificate of Completion The Basic Course of the Training programme for review experts for the technical review of GHG inventories of Parties included in Annex I to the Convention (Decision 14/CP.20): Overview of the UNFCCC Reporting and Review Processes and General IPCC Inventory Guidance & Energy
UNFCCC Secretariat, Bonn (Germany)
- 2018 Workshop on the Building of Sustainable National Greenhouse Gas Inventory Management Systems, and the Use of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories for the Asia Pacific and Eastern European Regions
UNFCCC Secretariat, Beijing (China)
- 2015 Certified Energy Auditor
Energy Efficiency Agency, the Ministry of Economy of Moldova, Chisinau
- 2014 Certificate: Completion of the training course in the field of energy audit
Energy Efficiency Agency, Chisinau

- 2014 **Certificate: Graduation of the professional qualification course in the "Financial-economic" field**
Complex Consulting Management Center, Chisinau

- 2011 **Certificate of completion of the training course for the requirements of ISO 9001:2008 and 19011:2004 standards**
National Institute for Standardization and Metrology of Moldova, Chisinau

- 2009–2011 **Master Degree in Engineering and Engineering Activities. Specialization: Energy and Environment**
Faculty of Power and Electrical Engineering of the Moldova Technical University, Chisinau

- 2004–2009 **Licentiate Engineer degree in Engineering and Industry Technologies, programme Energy Engineering and Management**
Faculty of Power and Electrical Engineering of the Moldova Technical University, Chisinau

PERSONAL SKILLS

Mother tongue(s) Ukrainian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Russian	C2	C2	C2	C2	C2
Romanian	C2	C2	C2	C2	C2
English	B2	B2	B1	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

Communication skills

- Confident, professional speaking abilities and effective negotiation skills
- Excellent communication skills to interact with everyone around. High emotional intelligence

Organisational / managerial skills

- Managing workload, meeting deadlines and being organised at all times
- Openness, integrity, honesty
- Strong analytical skills
- Good team skills gained as a youth leader in the Trade Union

Job-related skills

- Participation in the preparation of energy audit reports for buildings (Izvoare school; Trifanesti school; Corpaci village kindergarten; Viisoara village kindergarten)
- Experience and theoretical knowledge in area of Energy Security, including sectors economy and ecological Security
- Experience in the preparation time series for calculating the energy balance forecast
- Experience in preparation of GHG Inventory for Energy sector
- Calculations of pollutants for Transport sector using special program COPERT

Digital skills

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

Digital skills - Self-assessment grid

Good knowledge of Microsoft Office (Word, Excel Power Point), Adobe Reader, LEAP, COPERT, IPCC V2.17 tools and other special energy programs

ADDITIONAL INFORMATION

Conferences

- DAS 2020. International Conference on Development And Application Systems
- SIELMEN 2017. International Conference on Electromechanical and Power Systems), Chisinau, Republic of Moldova
- Technical-scientific conference of students, masters and doctoral students, Technical University of Moldova, Chisinau

Seminars

- Training on Municipal Energy Management (MEM), Energy Management Information System (EMIS), Measurement, Reporting and Verification (MRV) in the building sector
- The 56th Session of the IPCC and 14th Session of Working Group III, organized by the Intergovernmental Panel on Climate Change (IPCC)
- MENA Climate Week 2022
- Online Demonstration for the Energy Sector of the Sectoral Activity data for GHG Emissions (SAGE)
- Survey on impact study for UNECE project "Enhancing National Capacities to Develop and Implement Energy Efficiency Standards for Buildings in the UNECE Region"
- Курс повышения квалификации в рамках Международной школы по тарифному регулированию (МНШТР) Казань, РФ: Тарифное регулирование в условиях декарбонизации и углеродной нейтральности
- Webinar: LEAP2020 A Major New Version of SEI's Platform for Low Emission Development, May 2020
- Webinar training on regulation on wholesale energy market integrity and transparency: REMIT in the Energy Community and implementation tools at hand, 2020
- Webinar "Energy Efficiency and integration of Renewable Energy Sources in Buildings" organized by The BUILD UP web portal, April 2020.
- Webinar «District Heating and cooling: planning & digitalisation Low temperature District Heating across Europe», March 2020
- Training Seminar for GHG Inventory Review Experts, from 19 to 21 November 2019, Germany
- Seminar on "Stop air pollution" organized by the Ministry of Agriculture, Regional Development and Environment, June 2019
- Seminar with National Institute for Environmental Studies, Japan, Yasuki Shirakawa, Climate Consulting, LLC, June 2019
- Moldova Institutional Strengthening Project Launch and Workshop on Developing Emission Inventories using LEAP-IBC, Climate and Clean Air Coalition, March, 2019
- Project "Republic of Moldova: activities on the preparation of the second biennial report updated to the United Nations Framework Convention on Climate Change". March, 2019
- International Scientific Symposium "Achievements and perspectives in agricultural engineering and road transport", the State Agricultural University of Moldova, 2018
- Project "Republic of Moldova: activities on the preparation of the fourth national communication to the United Nations Framework Convention on Climate Change". December 2017
- Workshop entitled "Energy Statistics of the Republic of Moldova", organized by the National Bureau of Statistics, 2017

Publications

- Informative Inventory Report of the Republic of Moldova, 1990-2020 / Stela Drucioc, Elena Bykova, Irina Vasiliev [et al.] ; Ministry of Environment, Institute of Power Engineering, Institute of Ecology and Geography. – [Chişinău] : S. n., 2022 (Centrul Editorial-Poligrafic al USM). – 90 p.: fig., tab. Aut. indicații pe vs. f. de tit. – Referințe bibliogr.: p. 54-60. – 25 ex. ISBN 978-9975-159-92-0.

- Raportul Național de Inventariere: Surse de emisii și sechestrare a GES în Republica Moldova 1990-2020: Elaborat pentru a fi raportat către Convenția-cadru a organizației Națiunilor Unite cu privire la schimbarea climei: Modulul Energie, Chișinău 30 iunie 2022/ Marius Țaranu, Elena Bîcova, T. Kirillova., I.Vasiliev, L.Moraru [et al.]; coordonatori Raisa Leon, Suzanne Lekoyiet; Instituția publică «Unitatea de implementare a proiectelor în domeniul mediului», Agenția de Mediu, Programul Națiunilor Unite pentru Mediu – Chișinău: S.N., 2022, (Bons Officces SRL). -726p.: fig., tab., 45 ex. ISBN 978-9975-166-43-0. 504.05/.06+551.583(478) (047) R 25 www.clima.md
- Report on National GHG Inventory System in the Republic of Moldova-2022/ Marius Taranu, Elena Bicova, Irina Vasiliev, Tatiana Kirillova [et al.]. UNEP, EARM, IP"UIPM".-Chisinau:S.n. 2022 (Bons Offices).-277p.ISBN 578-8985-165-45-4.
- Системное тарифное регулирование в энергетической отрасли: теория. методология, практика: монография / А.Д. Ахророва, А.Д. Куанышбаев, С.С. Сагинтаева и др. – М.: Издательство МЭИ, 2022. – 536 с. ISBN 978-5-7046-2593-3. Раздел 2.5. Быкова Е.В., Васильева И.В. стр.214-263.
- OLESCHUK, V., TIRSU, M., VASILIEV, I. Multilevel Power Electronic Systems Adjusted by Algorithms of Multi-Zone Space-Vector Modulation: A Survey. In: IEEE Proceedings: Int'l Conf. on Development and Application Systems (DAS'2022), ISBN 978-1-6654-8161-8, 2022, pp. 124-131 (Scopus-related publication).
- Elena Bykova, Tatiana Kirillova, Irina Vasilyev. Analysis of different methodologies for the calculation of pollutant emissions from vehicles. EMERG, Volume VIII, Issue 1/2022, ISSN 2668-7003, ISSN-L 2457-5011- Vol. 8, Issue 1, pp 42-61(2022), DOI: 10.37410/EMERG.2022.1.03 <https://emerg.ro/files/analysis-of-different-methodologies-for-the-calculation-of-pollutant-emissions-from-vehicles/>
- OLESCHUK, V., VASILIEV I., GRIVA, G., SPERTINO, F. Schemes and Techniques of Synchronous Modulation of PV Inverters with High Modulation Indices: A Survey. In: IEEE Proceedings: Int'l Symp. on Advanced Topics of Electrical Engineering (ATEE'2021), ISBN 978-1-6654-1878-2, 2021, 6 p. (Scopus-related publication)
- БЫКОВА Е, ВАСИЛЬЕВА И. Опыт Республики Молдовы по оценке выбросов парниковых газов и 25 загрязнителей по сектору энергетики. Сборник презентационных лекций курса повышения квалификации «Углеродная нейтральность и тарифное регулирование в условиях декарбонизации» в рамках Международной школы по тарифному регулированию (МНШТР), Казань, РФ. 46стр
- БЫКОВА Е, ВАСИЛЬЕВА И. Структура топливно-энергетических балансов, динамика и опыт построения краткосрочных прогнозов в Молдове. Сборник презентационных лекций курса повышения квалификации «Углеродная нейтральность и тарифное регулирование в условиях декарбонизации» в рамках Международной школы по тарифному регулированию (МНШТР), Казань, РФ. 13 стр.ВАСИЛЬЕВА, И. Некоторые сведения о предприятиях энергосистемы по данным официальных источников» В сборнике трудов лаборатории управляемых электропередач за 2018-2019 г., №10 (25), Кишинев, Типопр. Гос. Университета. 2019, с.259 -284. ISBN 978-9975-4472-7-0.
- БЫКОВА, Е.; ВАСИЛЬЕВА, И.; КИРИЛЛОВА Т.; МОРАРУ Л.; БУРЦЕВ С. Эмиссии парниковых газов по модулю «Энергетика». В сборнике трудов лаборатории управляемых электропередач за 2018-2019 г., №10 (25), Кишинев, Типопр. Гос. Университета. 2019, с.64-255 ISBN 978-9975-4472-7-0.
- ВАСИЛЬЕВА И.В БЫКОВА Е.В. Анализ удельных выбросов парниковых газов от ТЭЦ в Республике Молдова за период 1990-2016. Сборник трудов IX Международной научно-технической конференции «Энергетика: правление, качество и эффективность использования энергоресурсов», 11 - 12 марта 2019 года, г. Благовещенск, РФ, 8 стр, 12 тыс. знаков, 0,3 п.л. . стр.524-531. ISBN 978-5-93493-325-9
- БЫКОВА, Е.; ВАСИЛЬЕВА, И. Анализ трендов некоторых индикаторов экономической безопасности Республики Молдова. Сборник материалов международной научной конференции «Актуальные Проблемы Менеджмента, Экономики и Экономической Безопасности (Костанай, 2019 г.), Чебоксары: ИД «Среда», 2019, стр.212-223, ISBN 978-5-6042955-4-0, DOI 10.31483/a-68.
- Е. В. БЫКОВА, В. П. БЕРЗАН, В. М. ПОСТОЛАТИЙ, И. В. ВАСИЛЬЕВА Аспекты методологии прогнозирования индикаторов энергетической безопасности на основе статистических данных ISSN 2221-3805. Електротехнічні та комп'ютерні системи. 2018. УДК 621.316.13

- National Inventory Report: 1990-2016. Greenhouse Gas Sources and Sinks in the Republic of Moldova. Submission to the United Nations Framework Convention on Climate Change / aut.: Marius Taranu, Elena Bicova, Irina Vasilev [et al.] ; coord.: Valentina Tapis [et al.] ; project team: Vasile Scorpan, Aliona Solomon ; Min. of Agriculture, Regional Development and Environment (MARDE), United Nations Environment Programme (UNEP). – Chişinău : Ministry of Agriculture, Regional Development and Environment (MARDE) : United Nations Environment Programme, 2018 (Tipogr. "Bons Offices"). – 676 p. ISBN 978-9975-87-447-2. 504.05/.06+551.583(478)(047)
- БЫКОВА Е., КИРИЛЛОВА Т., ВАСИЛЬЕВА И., БУРЦЕВ С. Опыт использования специализированной программы по расчету эмиссий от автотранспорта COPERT. ISBN 978-9975-64-300-9. Vol. 51: Inginerie Agrară și Transport Auto: materialele Simpozionului Științific Internațional "Realizări și perspective în ingineria agrară și transport auto", dedicat aniversării a 85 de ani de la fondarea Universității Agrare de Stat din Moldova, 2018. – 463 p. УДК: 504.064.36
- Report on National Greenhouse Gas Inventory System in the Republic of Moldova – 2018 / aut-coord.: Marius Taranu; aut-contributors: Elena Bicova, Irina Vasilev, Larisa Moraru, [et al.]; coord: Valentina Tapis, Suzanne Lekoyiet; Min. of Agriculture, Regional Development and Environment, United Nations Environment Programme (UN Environment). – Chisinau: S. n., 2018 (Tipogr. "Bons Offices"). 269 p. ISBN 978-9975-87-452-6. 351.777.6:504.054(478)(047)
- Second Biennial Update Report of the Republic of Moldova under the United Nations Framework Convention on Climate Change. / Ministry of Agriculture, Regional Development and Environment of the Republic of Moldova, United Nations Environment Programme; Coord.: Valentina TAPIS, Suzanne LEKOYIET; Synthesis Team: Vasile SCORPAN, Marius TARANU, Ion COMENDANT. - Chişinău : S. n., 2018 (Tipogr. „Bons Offices”). – 221 p. ISBN 978-9975-87-444-1. 551.583:502/504(478)(047)
- БЫКОВА, Е.; ЧЕЛАК И., БЕРЗАН В.П. Анализ некоторых макроэкономических показателей. В сборнике «Управляемые электропередачи» (Труды лаборатории управляемых электропередач за 2007-2017), Выпуск №9, юбилейный, к 45- летию создания, «Управляемые электропередачи, вопросы энергетической безопасности, экономики энергетики, экологии, ВИЭ, развития энергосистем», Logosprint, г. Кишинев, Молдова. Составитель Быкова Е.В., 2017, 256с.
- Gutium T., Postolaty V., Bykova E., Grodetskiy M., Celac I., Analysis of the Impact of Tariff Levels on Energy and Other Services on Macroeconomic Indicators. SIELMEN 2017, October 11-13, 2017

