



## Curriculum Vitae

Personal information **Ilona Materek**

Work experience

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**04.2024 - present: Assistant Professor and Deputy Quality Manager in OMCL; National Veterinary Research Institute; Poland**

**Main activities in the position:**

- 1) performing and supervising physicochemical analyses of veterinary vaccines (national and European monitoring of IVMP's quality)
- 2) conducting research within the framework of statutory topics
- 3) preparing research documentation
- 4) metrological supervision of equipment
- 5) developing, validation/verification of research methods
- 6) developing research instructions and procedures
- 7) coordinating research on medicinal products registered in the central procedure
- 8) coordinating market surveillance studies
- 9) managing scientific work
- 10) implementing and maintaining the requirements of the ISO/IEC 17025:2018-02 standard
- 11) improving the quality management system in accordance with the 17025 and 9001 standards
- 12) preparing documentation for internal and external audits
- 13) internal auditor of the quality management system in accordance with the requirements of the PN-EN ISO/IEC 17025:2018-02 standard
- 14) coordination and implementation of tasks related to the collection of data on sales and use of veterinary antimicrobials in Poland

**12.2020 - 04.2024: Research and Technical Specialist and Deputy Quality Manager in OMCL; National Veterinary Research Institute; Poland**

**Main activities in the position:**

- 1) performing and supervising physicochemical analyses of veterinary vaccines (national and European monitoring of IVMP's quality)
- 2) conducting research within the framework of statutory topics
- 3) preparing research documentation
- 4) metrological supervision of equipment
- 5) developing, validation/verification of research methods
- 6) developing research instructions and procedures
- 7) implementing and maintaining the requirements of the ISO/IEC 17025:2018-02 standard
- 8) improving the quality management system in accordance with the 17025 and 9001 standards
- 9) preparing documentation for internal and external audits
- 10) internal auditor of the quality management system in accordance with the requirements of the PN-EN ISO/IEC 17025:2018-02 standard
- 11) implementation of tasks related to the collection of data on sales and use of veterinary antimicrobials in Poland

**09.2018 - 12.2020: Engineering and Technical Specialist; National Veterinary Research Institute; Poland**

**Main activities in the position:**

- 1) performing and supervising physicochemical analyses of veterinary vaccines (national and European monitoring of IVMP's quality)
- 2) conducting research within the framework of statutory topics
- 3) preparing research documentation
- 4) metrological supervision of equipment
- 5) developing, validation/verification of research methods
- 6) developing research instructions and procedures
- 7) coordinating research on medicinal products registered in the central procedure
- 8) coordinating market surveillance studies
- 9) managing scientific work
- 10) implementing and maintaining the requirements of the ISO/IEC 17025:2018-02 standard
- 11) improving the quality management system in accordance with the 17025 and 9001 standards
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- 14) coordination and implementation of tasks related to the collection of data on sales and use of veterinary antimicrobials in Poland

**12.2020 - 04.2024: Research and Technical Specialist and Deputy Quality Manager in OMCL; National Veterinary Research Institute; Poland**

**Main activities in the position:**

- 1) performing and physicochemical analyses of veterinary vaccines (national and European monitoring of IVMP's quality)
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- 6) developing research instructions and procedures
- 7) implementation of tasks related to the collection of data on sales and use of veterinary antimicrobials in Poland

## Education and training

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**Education:**

- 2009-10 - 2012-06 Maria Curie-Skłodowska University, Lublin (Bachelor's degree, Chemistry)
- 2012-10 - 2014-06 Maria Curie-Skłodowska University, Lublin (Master's degree, Chemistry)
- 2014-10 - 2020-07 Maria Curie-Skłodowska University, Lublin (PhD, Chemistry)
- 2020-10 - 2021-06 University of Warsaw, Warsaw (Postgraduate studies, Chemical Metrolog)

## Additional information

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### Publications

1. Anna Bielenica, Giuseppina Sanna, Silvia Madeddu, Marta Struga, Michał Józwiak, Anna E. Koziol, Aleksandra Sawczenko, Ilona B. Materek, Alessandra Serra, Gabriele Giliberti (2017) *New thiourea and 1,3-thiazolidin-4-one derivatives effective on the HIV-1 virus*. Chem. Biol. Drug Des., 95; 883-891. (IF: 2.873; liczba punktów MNiSW: 70)
2. Anna Bielenica, Daniel Szulczyk, Wioletta Olejarz, Silvia Madeddu, Gabriele Giliberti, Ilona B. Materek, Anna E. Koziol, Marta Struga (2017) *1H-Tetrazol-5-amine and 1,3-thiazolidin-4-one derivatives containing 3-(trifluoromethyl)phenyl scaffold: Synthesis and cytotoxic and anti-HIV studies*. Biomedicine & Pharmacotherapy, 94; 804-812. (IF: 6.529; liczba punktów MNiSW: 140)
3. Kinga Ostrowska, Małgorzata Wrzosek, Wioletta Olejarz, Alicja Głuszko, Grażyna Nowicka, Mirosław Szczepański, Ilona B. Materek, Anna E. Koziol, Marta Struga (2017) *Anticancer effects of o-aminoalkyl derivatives of alloxanthoxyletin and seselin*. Biomedicine & Pharmacotherapy, 95; 1412-1424. (IF: 6.529; liczba punktów MNiSW: 140)
4. Liliana Mazur, Ilona Materek, Andrew D. Bond, William Jones (2019) *Multicomponent crystal forms of a biologically active hydrazone with some dicarboxylic acids: Salts or cocrystals?* Cryst. Growth & Des., 19; 2663-2678. (IF: 4.010; liczba punktów MNiSW: 100)
5. Ilona B. Materek, Ewa Borzym, Katarzyna Szymanek „Zastosowanie metod miareczkowania Karla Fischera do oceny zawartości wody w liofilizowanych immunologicznych weterynaryjnych produktach leczniczych (IWPL)” (2021); rozdział w monografii recenzowanej „Nowoczesne technologie – strategie, rozwiązania i perspektywy rozwoju” (ISBN: 978-83-66489-79-0).
6. Katarzyna Szymanek, Ilona Materek, Katarzyna Pasik, Agnieszka Nowakowska (2022) „Analiza trendów konsumpcji weterynaryjnych produktów przeciwbakteryjnych u drobiu w Polsce i Europie jako element ograniczania oporności przeciwbakteryjnej”. Polskie Drobniarstwo, SUPLEMENT ZDROWIE, 3-7. (ISSN 1231-0387)
7. Marek Król, Grzegorz Ślifirski, Jerzy Kleps, Piotr Podsadni, Ilona Materek, Anna E. Koziol, Franciszek Herold (2020) „The Synthesis and Absolute Configuration of Enantiomeric Pure (R)- and (S)-3-(piperidin-3-yl)-1H-Indole Derivatives”. International Journal of Molecular Sciences, 24, 517-536. (IF: 6.208; liczba punktów MNiSW: 140)

### Projects

- 2022 – project financed by EDQM entitled “Studies for the content assignment of water in the proposed new Certificate Reference Standards (CRS)” (coordinator, contractor; ZFW, PIWet-PIB, Puławy)
- 2022-2024 – topic implemented as part of the subsidy for maintaining and developing research potential entitled “Optimization of the method for determining the viscosity of immunological veterinary medicinal products (IVMPs) based on the characteristics of their rheological properties” (topic manager, contractor; ZFW, PIWet-PIB, Puławy)
- 2019-2023 - task W/345 under the Multiannual Program: "Analysis of the consumption of antimicrobial veterinary medicinal products in selected animal species in Poland" (from 2019 - person responsible for coordination and implementation of activities related to the task; from 2023 - task manager and contractor; ZFW, PIWet-PIB, Puławy)
- 2019-2021 - topic implemented as part of the subsidy for maintaining and developing research potential entitled “Optimization of the Karl Fischer titration method for assessing water content in freeze-dried immunological veterinary medicinal products” (executor; ZFW, PIWet-PIB, Puławy)
- 09.2016-11.2016 – research internship at the University of Cambridge under the supervision of prof. William Jones as part of the research project “Multicomponent crystals forms of pharmaceutical co-crystals” (coordinator, executor; Department of Materials Science, Cambridge)
- 2015-2016 – research project “Structural studies of coumarin derivatives” financed from a targeted grant for conducting research for Young Scientists and participants of PhD Studies (project manager; Faculty of Chemistry, Maria Curie-Skłodowska University in Lublin)

### Memberships

### Other Relevant Information