

**Virginia Aragón**  
Researcher  
IRTA-CReSA  
Campus de Universitat Autònoma de Barcelona-Bellaterra  
virginia.aragon@irta.cat

19th Nov, 2025

## Letter of Reference for assoc. prof. Aleš Panáček

To whom it may concern,

It is my great pleasure to provide my strong and unreserved recommendation for **Dr. Aleš Panáček** in support of his application for appointment to the position of **Full Professor** at Palacký University in Olomouc.

I have known Dr. Panáček for more than **15 years**, during which we have collaborated closely on the research topic related to the biological activity, mechanisms of action, and applied potential of noble metal nanoparticles. Our collaboration has been productive and scientifically enriching. Among our joint achievements, I would particularly like to highlight our highly cited publication “*Enhanced antibacterial effect of antibiotics in combination with silver nanoparticles against animal pathogens*” (DOI: 10.1016/j.tvjl.2015.10.032), which has significantly contributed to the understanding of synergistic interactions between antimicrobial agents and nanomaterials.

From the outset of our collaboration, Dr. Panáček has impressed me with his **exceptional scientific insight, creativity, and methodological rigor**. His research portfolio demonstrates a unique ability to combine fundamental mechanistic studies with translational perspectives relevant to veterinary and human medicine. He is one of the internationally recognized pioneers in the field of silver nanoparticles, especially regarding their antimicrobial properties, underlying mechanism, and safe application.

Dr. Panáček’s work is characterized not only by scientific excellence but also by **a strong sense of responsibility, reliability, and leadership**. He has been an invaluable partner who provides clear scientific direction, constructive feedback, and an atmosphere that supports open dialogue and collaborative progress. He excels in interdisciplinary communication and is highly effective in mentoring junior researchers. Many young scientists have benefited from his ability to combine scientific precision with encouragement and openness to innovative ideas.

His international reputation, publication record, and contributions to the advancement of nanotechnology in microbiology and infection control are, in my view, fully aligned with the expectations placed on a Full Professor. His research achievements have had a palpable impact on the scientific community, and I am convinced that his future work will continue to influence the field at both European and global levels.

Based on our collaboration, his remarkable scientific accomplishments, and his proven academic leadership, I wholeheartedly and without any reservations recommend **Dr. Aleš Panáček** for appointment as **Full Professor**. I am confident that his presence at Palacký University will significantly strengthen its research excellence and international visibility.

Sincerely,