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Dr. Alexander Orlov is an Assistant Professor of Materials Science and Engineering at State University of New York, Stony Brook, USA. He is also a faculty member of the Consortium for Interdisciplinary Environmental Research. Previously he was a Research Fellow in Science and Engineering at the University of Cambridge/King's College, UK. Alexander has 5 degrees from various European and the US institutions, including: Doctoral and Master's degrees in Chemistry from the University of Cambridge (UK) and Master's degree in Engineering from the University of Michigan (USA). His major research and teaching activities are in development of novel materials for environmental protection, environmental chemistry and engineering, materials science, sustainable development, environmental aspects of energy production and environmental nanotechnology areas.

Dr. Orlov is appointed by the UK Secretary of State to advise the current Labour Government on such environmental issues as hazardous substances and environmental impact of nanotechnology. Previously, he was a member of the UK Conservative Party Task Force charged with a development of the Science Policy for the next Conservative Government. Dr. Orlov's research experience also served him in his position as consultant to several USA congressmen, the EU Commission and the Ukrainian Ministry of Ecology and Natural Resources. Alexander's opinions, interviews and comments appeared in Nature, BBC, Daily Telegraph and Cambridge Evening News. Dr. Orlov is a recipient of National Endowment for Science Technology and Arts CRUCIBLE award (UK) focused on developing skills in communicating science to general public and policy makers.