

**XVI CHINESE-RUSSIAN SYMPOSIUM “ADVANCED MATERIALS AND TECHNOLOGIES” 05-14.10.2023, HAIKOU**

**PRC YOUNG SCIENTIST INFO**

Prokofev Pavel Aleksandrovich

Baikov Institute of Metallurgy and Materials Science, Russian Academy of Sciences (IMET RAS)

Laboratory of Physical Chemistry of Refractory and Rare Metals and Alloys

Research Assistant

Specialist in the field of preparation and investigation of Nd-Fe-B and Sm-Co permanent magnet materials with high performance

**Education**

2015 - received a diploma NUST MISIS, qualification engineer-physicist;

2019 –graduation from post-graduate school, teacher-researcher qualification

2023 – Ph.D. thesis defended

**Awards**

2016 - diploma of the III degree for winning the open competition of young scientists for the best research work, presented within the framework of the VI International Conference with elements of a scientific school for youth "Functional nanomaterials and high-purity substances"

2017 – victory in an open competition for young scientists for the best research work presented at the XIV Conference of Young Researchers and Postgraduates "Physical Chemistry and Technology of Inorganic Materials"

2018 - diploma of the I degree for winning the open competition of young scientists for the best research work, presented within the framework of the VII International Conference with elements of a scientific school for youth "Functional nanomaterials and high-purity substances"

2018 – received a diploma of the winner of the program « UMNİK »

2018г. - victory in an open competition for young scientists for the best research work presented at the XV Conference of Young Researchers and Postgraduates "Physical Chemistry and Technology of Inorganic Materials"

**Participation in Russian and international conferences**

The 64 Annual Conference on Magnetism and Magnetic Materials, (MMM2019) 4-8. 11.2019, Las-Vegas, Nevada, USA.

XXII International Conference on Permanent Magnets, 23-27.09.2019, Suzdal, Russia.

METAL2019, 28-th International Conference on Metallurgy and Materials, May 22-24, 2019, Brno, Czech Republic, EU, Ostrava, ISBN 978-80-872-94-91-8

XV International Russian-Chinese Symposium "Advanced materials and technologies" 2019, Sochi, Russia

29-th International Conference on Metallurgy and Materials, Metal2020, May 20-22, 2020, Brno, Czech Republik, EU

34rd MSIT Annual Meeting “International Seminar on Heterogeneous Multicomponent Equilibria”, 16-22 February, 2020, Tagernsee, Germany

### **Grants**

1. Development of permanent magnet recycling technology based on the Nd-Fe-B system; Program “UMNIK” of the Fund for Assistance to the Development of Small Forms of Enterprises in the Scientific and Technical Field, (2018-2019), head.

2. International project (Russia - Czech Republic) “Development of physico-chemical and technological foundations for creating an innovative resource-saving method for producing high-energy and high-coercive permanent magnets (Nd, R) -Fe-B (R = Pr, Tb, Dy, Ho) with reduced content of rare-earth 2018-2022, supported by the Ministry of Science and Higher Education of the Russian Federation, executor.