

Name

Vorobiova Inessa

Affiliation

Associated Professor of Theoretical and Applied Chemistry
Department

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Education

1980-1985 Kostroma State Pedagogical University (Russia), Department of Natural Sciences
1990-1993 PhD study in Kostroma Technological University (Kostroma, Russia).

Academic degrees

1993: Ph.D., specialty 05.19.02 – primary processing of textile raw materials, Kostroma, Russia

Academic rank

Associated Professor

Area of Research

Synthesis of Co and Mn nanoparticles in micellar aqueous solutions of cetyl pyridinium chloride. Studies ultrasound effect on molecules of sodium dodecyl sulphate (SDS) and on critical micelle concentration. Development of physical and chemical process for the preparation of bast fibers cultures.

Professional experience:

1985-1988: High school chemistry teacher, Kostroma, Russia.

1988-1990: Engineer of Chemistry Department, Kostroma State Technological University, Kostroma, Russia.

1990-1993 - PhD study in Kostroma Technological University (Kostroma, Russia).

1993-1995 - Lecturer assistant of General Chemistry Department, Sumy State University, Sumy, Ukraine.

Since 1995 until now Associated Professor of General Chemistry Department, Sumy State University, Sumy, Ukraine.

Participation in research projects:

Adsorption of ions in aqueous solutions with the help of clay sorbent (contract №0110U007681).

Adsorption processes with participation of natural and synthetic minerals (contract №0116U005240)

Measurement of the redox potential (ORP) of natural liquid media (contract №0110U001767)

Teaching experience:

General chemistry, Analytical chemistry, Physical and colloidal chemistry, Biogeochemistry, Soil science, General chemical technology, Medical chemistry (for the students of speciality Medicine, Dentistry), Bioorganic chemistry (for the students of speciality Medicine, Dentistry) (Ukrainian, English and Russian languages of teaching).

Level of proficiency (English) B₂

The most significant publications:

I.G. Vorobiova, N.A. Borshch, Yu.A. Mirgorod The Structure of Mn and Co Nanoparticles Obtained in Direct Surfactant Micelles / Journal of nano- and electronic physics. Sumy: Sumy State University, 2017. - Vol.9, No5, 05036(4pp)

I.G.Vorobiova, Yu.A.Mirgorod, A.S.Chekadanov. Ultrasound Effect on Molecules of Sodium Dodecil Sulphate as Systems of Nanoparticles. // Journal of Nano- and Electronic Physics. Vol.10, №6, 06013 (5pp) (2018).