

# Curriculum vitae

## PERSONAL INFORMATION

Maria Naplatanova

## WORK EXPERIENCE

- 10/2013–Present **Engineer of metallurgy**  
Bulgarian Academy of Sciences, Institute of Electronics, Sofia (Bulgaria)  
Metallographic and spectral analysis
- 2004–09/2013 **Senior sampler macro and microanalysis in metallography laboratory**  
"Radomir Metal Industries" JSC, Radomir (Bulgaria)  
Perform all kinds of metallographic analysis (qualitative and quantitative)
- 2002–2004 **Senior sampler macro and microanalysis in metallography laboratory**  
"Steel castings and forgings" Ltd., Radomir (Bulgaria)  
Perform all kinds of metallographic analysis (qualitative and quantitative)
- 1996–2002 **Senior sampler macro- and micro-analysis in metallography laboratory**  
"LEKO-KO" JSC, Radomir (Bulgaria)  
Perform all kinds of metallographic analysis (qualitative and quantitative)
- 1994–1996 **Central Laboratory Technologist**  
"LEKO-KO" JSC, Radomir (Bulgaria)  
Technical implementation tasks of production technologies
- 1983–1984 **Draftsman and technical artist**  
Institute for research and development on treatments by special and aggregate machines, Sofia (Bulgaria)  
Produces technical drawings and documentation

## EDUCATION AND TRAINING

- 2012 **Internal auditor**  
RINA (Bulgaria)  
ISO 19001-2011
- 2010 **Internal auditor, quality systems**  
Moody International (Bulgaria)  
ISO 9001:2008  
ISO 19011:2002
- 2007 **Internal auditor of laboratories**  
Federation of Scientific and Technical Union in Bulgaria (Bulgaria)  
ISO 17025-2006  
ISO 19011-2004
- 1986–1991 **Metallurgical engineer** Master's degree  
Moscow Institute of Steel and Alloys, Moscow (Russia)  
Metal science, equipment and technology of heat treatment of metals

## ADDITIONAL INFORMATION

- Publications** Possible solution for the recycling of metal wastes through electron beam melting, V.Vassileva,

K.Vutova, M.Naplatanova, T.Tanaka, Proc. International Scientific Conference HIGH TECHNOLOGIES. BUSINESS. SOCIETY 2018, 12-15.03.2018, Borovets, Bulgaria, year II, iss.1(3), vol.I "High Technologies", pp.84-87, (2018)

Refining Effect of Electron Beam Melting on Recycling of Nickel Wastes, Katia Vutova, Vania Vassileva, Maria Naplatanova, Takeshi Tanaka, Proceedings of the International Spring Seminar on Electronics Technology, art. no. 8000891, DOI: 10.1109/ISSE.2017.8000891, (2017)

Pure Molybdenum obtaining through Electron Beam Melting of Scrap Materials, V.Vassileva, K.Vutova, M.Naplatanova, N.Munirathnam, D.Amalnerkar, J. Electrotechnica and Electronica, Vol.51, N 5-6, pp.304-308, (2016)

Pure tungsten obtaining by electron beam refining of tungsten scrap, V.Vassileva, K.Vutova, M.Naplatanova, Proc. 4<sup>th</sup> Int. Conf. Eng., Techn. & Systems (Techsys 2015), Journal of the Technical University – Sofia, Plovdiv branch, v.21 (2), (2015), pp.31-36

Influence of vignetting and fibrous structure of carbon hot-formed steels on mechanical properties -  $\sigma_B$ ,  $\sigma_{0.2}$ ,  $\delta$ ,  $\Psi$ , KCV, KCU. D. Panayotov, M. Naplatanova, P. Vadova, National conference – Gabrovo, 1995, pages 32-37, 1995

The influence of chromium carbides and the change in the corrosion resistance of welded high-chromium steels - 15X28 and 15X25T, I. Galabov, M. Naplatanova, P. Vadova, Reports from the National Conference with International Participation – Gabrovo, Part I, pages 21-25., 1994

The change in plasticity of beryllium bronzes BrB2 after quenching (800°C) and aging (320-340°C), O. Shulga, M. Naplatanova, Collection of scientific papers, MISiS, Moscow, Conference of Young Scientists and Students, pages 9-17, 1991