

## Curriculum Vitae (CV)

### PERSONAL INFORMATION

Name **SOTIR KAMENOV PLOCHEV**  
Address **University of Mining and Geology „St. Ivan Rilski”**  
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Nationality Bulgarian  
Date of birth 18.03.1979

### ТРУДОВ СТАЖ

• Dates **from 09.2022r.**  
Name of employer University of mining and geology “St. Ivan Rilski”, Sofia  
Occupation and position Chief Assistant, professional direction 4.4. – Earth sciences ”  
  
• Dates **03.2012 - 06.2022r.**  
Name of employer University of mining and geology “St. Ivan Rilski”, Sofia  
Occupation and position Assistant, professional direction 4.4. – Earth sciences ”  
  
• Dates **08.2006 - 12.2008**  
Name of employer University of mining and geology “St. Ivan Rilski”, Sofia  
Occupation and position Geology engineer, technologist

### EDUCATION AND TRAINING

• Dates **2014 – 2021**  
Educational institution University of mining and geology “St. Ivan Rilski”, Sofia  
Title of qualification awarded PhD in professional direction 4.4. – Earth sciences

• Dates **1997 - 2002**  
Educational institution University of mining and geology "St. Ivan Rilski", Sofia  
Title of qualification awarded "Hydrogeology and engineering geology", master's degree in hydrogeology

• Dates **1992 - 1997**  
Educational institution Technical College of Electronics  
Title of qualification awarded Industrial electronics

## **PERSONAL SKILLS AND COMPETENCES**

MOTHER LANGUAGE **Bulgarian**

### OTHER LANGUAGES

**ENGLISH**  
• Reading skills GOOD (B2)  
• Writing skills GOOD  
• Conversation skills GOOD

### SOCIAL SKILLS

### ORGANIZATIONAL SKILLS

TECHNICAL SKILLS MICROSOFT OFFICE

ARTISTIC SKILLS

OTHER SKILLS

DRIVING LICENSE      category B

ADDITIONAL INFORMATION

## LIST OF PUBLICATIONS

1. Alexandre Loukanov, Anatoli Angelov, **Sotir Plochev**, Svetlana Bratkova, Katerina Nikolova and Seiichiro Nakabayashi, **2010**, Frontiers of heavy metals detection in acid mine water: synergy of the advanced nano-bio-sensor technology, International scientific symposium “Universitaria Simpo 2010”, University of Petrosani, October 87-92, pp.5-8, ISSN 1842 – 4449.(online).
2. Angelov A., Loukanov A., Bratkova S., Nikolova K. and **Plochev S.**, **2010**, Estimation of rock filter for treatment of manganese in acid mine drainage waters , International scientific symposium “Universitaria Simpo 2010”, University of Petrosani, October 14-15, pp.5-8, ISSN 1842 – 4449
3. Bratkova S., Angelov A., Loukanov A., Nikolova K., Plochev S. and Ivanov R., Biotechnological removal of heavy metals from mining wastewaters by dissimilative sulphate reduction, International scientific symposium Universitaria Simpo, University of Petrosani, October 11-14. ISSN: 1842-4449, **2012**.
4. Nikolova K., Angelov A., Bratkova S. and Plochev S., Overview of EU permitting and regularly mechanisms of storing CO<sub>2</sub> in UCG cavities, Universitaria Simpro, I. III. 1. ISSN: 1842-4449, **2012**.
5. Nikolova K., Angelov A., Bratkova S., Plochev S., Implementation of EU requirements on carbon capture and storage in Bulgarian environmental legislation, Annual of the University of Mining and Geology “St. Ivan Rilski” 55, Part II, 187-191. ISSN: 1312-1820, **2012**.
6. **Плочев С.**, Николова К., Ангелов А. и Браткова С., Анализ на разпространението на замърсители в р. Габра в резултат от антропогенното въздействие на мина "Чукурово", BULCAMC 2011, Автоматизация на добива и преработката на енергийни, рудни и нерудни суровини, НТС по минно дело, геология и металургия, София, **2011**.
7. **Plochev S.**, Nikolova K., Angelov A., Bratkova S., Dynamics of pollutants in river contaminated from Chukurovo coal mine, Universitaria Simpro I. III. 1. ISSN: 1842-4449, **2012**.
8. **Plochev S.**, Angelov A., Bratkova S., Ivanov R., Modeling of the contaminants diffusion in groundwaters in the area of TMFS, Analele Universitatii “Constantin Brancisiu” din Targu Jiu 3, 139-143. ISSN: 1842-4856, **2013**.
9. Petia Genova, Anatoliy Angelov, Rosen Ivanov, **Sotir Plochev**, **2014**, Contemporary approach for treatment of leachate from landfills for solid waste, Proceedings of National scientific and technical conference with international participation “Automation in mining industry and metallurgy”, BULCAMC 14, 06-07 November 2014, 144-149, ISSN 1314-4537
10. Anatoliy Angelov, Evgeni Kraichev, Marta Lecheva and **Sotir Plochev**, **2019**, Volumetric coefficient of oxygen mass transfer analysis in column photobioreactor, Journal of

Mining and Geological Sciences, Vol 62, Part II, Mining, Technology and Mineral processing, (2019), 119–123. ISSN: 2683-0027(online).

11. **Sotir Plochev**, Stefan Zeinelov, **2020**, Pollution of groundwater and surface water from the mining industry, Journal of Mining and Geological Sciences, Volume 63, **2020**, 89-94, ISSN 2683-0027.

12. Kraychev Evgeni, **Sotir Plochev**, Anatoliy Angelov, Svetlozar Grozdanov, Research and experimental determination of the oxygen mass transfer coefficient  $k_L a$  of new type of stirring device with planetary mechanism, Journal of Mining and Geological Sciences, Volume 67, **2024**, ISSN 2683-0027.