

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name [PIROEVA, Iskra]
Address [Reduta, Sofia, 1505, Bulgaria]
Telephone 0888 721312
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E-mail ipiroeva@ipc.bas.bg

Nationality Bulgarian
Date of birth [29.02.1972]

WORK EXPERIENCE

- Dates (from – to) 01.04.2004-31.01.2013
- Name and address of employer Institute of Mineralogy and Crystallography "AKAD. IVAN Kostov", Bulgarian Academy of Sciences (IMC, BAS)
- Type of business or sector Laboratory of *electron microscopy*
- Occupation or position held Geologist
- Main activities and responsibilities
- Dates (from – to) 01.02.2013 till the moment
- Name and address of employer Institute of Physical Chemistry " Rostislav Kaischew ", Bulgarian Academy of Sciences (IPC, BAS)
- Type of business or sector Laboratory of *electron microscopy*
- Occupation or position held *Electrovacuum operator*
- Main activities and responsibilities

EDUCATION AND TRAINING

- Dates (from – to) 1993-1997
- Name and type of organization providing education and training Faculty of Geology and Geography, Sofia University „St. Kliment Ohridski“
- Principal subjects/occupational skills covered Bachelor of geology
- Title of qualification awarded geologist
- Level in national classification

(if appropriate)

• Dates (from – to)

- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
- Level in national classification (if appropriate)

1997-1999

Faculty of Geology and Geography, Sofia University „St. Kliment Ohridski“
master's degree of geology
geologist

• Dates (from – to)

- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
- Level in national classification (if appropriate)

1987-1990

Anastasia Dimitrova Secondary School - Pleven
secondary education

PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

MOTHER TONGUE

[Bulgarian]

OTHER LANGUAGES

[ENGLISH]

- Reading skills
- Writing skills
- Verbal skills

[good]

[good]

[good]

SOCIAL SKILLS

AND COMPETENCES

*Living and working with other people, in
multicultural environments, in positions
where communication is important and
situations where teamwork is essential
(for example culture and sports), etc.*

ORGANISATIONAL SKILLS

AND COMPETENCES

*Coordination and administration of
people, projects and budgets; at work, in
voluntary work (for example culture and
sports) and at home, etc.*

Project participant: 5 projects

TECHNICAL SKILLS
AND COMPETENCES
*With computers, specific kinds of
equipment, machinery, etc.*

Transmission electron microscope "EM420T"
Scanning Electron Microscope "S25 Zeiss"
Scanning Electron Microscope JSM 6390

OTHER SKILLS
AND COMPETENCES
Competences not mentioned above.
SPECIALIZED COURSES

ATTENDED

DRIVING LICENCE(S) Yes

ADDITIONAL INFORMATION

PUBLICATION ACTIVITY Number of publications - 21
Number of noticed citations-100
h-index : 4

PARTICIPATION IN
CONFERENCES Number of conferences.- 36

LIST OF RELEVANT PUBLICATIONS

1. L. Dimowa, I. Piroeva, S. Atanasova-Vladimirova, R. Rusev, B. Shivachev, "Structural peculiarities of natural chabazite modified by ZnCl₂ and NiCl₂" Bulgarian Chemical Communications, 50, Special Issue J, 2018.
<https://www.semanticscholar.org/paper/Structural-peculiarities-of-natural-chabazite-by-Dimowa->
2. Gancheva, I. Szafraniak-Wiza, R. Iordanova, I. Piroeva, "Comparative analysis of nanocrystalline CuWO₄ obtained by high-energy ball milling" Journal of Chemical Technology and Metallurgy, 54 (6), 1233-1239, 2019.
https://dl.uctm.edu/journal/node/j2019-6/14_18-220_p_1233-1239.pdf
3. D. Nicheva, B. Abrashev, I. Piroeva, V. Boev, T. Petkova, P. Petkov, K. Petrov, "NiCo₂O₄/Ag as catalyst for bi-functional oxygen electrode" Bulgarian Chemical Communications, 52, 68-72, 2020.
https://scholar.google.bg/citations?view_op=view_citation&hl=bq&user=MvbkqeAAAAAJ&citation_for_view=MvbkqeAAAAAJ:MXK_kJrjxJl
4. N. Lihareva, O. Petrov, L. Dimowa, Y. Tzvetanova, I. Piroeva, F. Ublekov, A. Nikolov "Ion exchange of Cs⁺ and Sr²⁺ by natural clinoptilolite from bi-cationic solutions and XRD control of their structural positioning" Journal of Radioanalytical and Nuclear Chemistry, 323 (3), 1093-1102, 2020.
<https://doi.org/10.1007/s10967-020-07018-7>

5. L. Dimowa, Y. Tzvetanova, O. Petrov, I. Piroeva, F. Ublekov, "Powder xrd structural study of Ba²⁺ modified clinoptilolite at different stages of the ion exchange process conducted at two temperature regimes— room temperature and 90 °c" *Minerals*, 10 (11), 938, 1-16, 2020.
<https://www.mdpi.com/2075-163X/10/11/938>
6. M. Gancheva, T. Rojac, R. Iordanova, I. Piroeva, P. Ivanov "Structural and optical properties of MgMoO₄ prepared by mechanochemical technique" *Ceramics International*, 48 (12), pp. 17149-17156, 2022
<https://doi.org/10.1016/j.ceramint.2022.02.271>
7. L. Dimowa, N. Lihareva, Y. Tzvetanova, O. Petrov, T. Todorova, I. Piroeva, „Kinetics and Rietveld XRD structural study of Cs⁺ sorption on natural and synthetic mordenites in the first 12 h" *Journal of Radioanalytical and Nuclear Chemistry*, 331 (12), pp. 5741-5752, 2022
<https://doi.org/10.1007/s10967-022-08648-9>
8. L. Dimowa, N. Petrova, Y. Tzvetanova, O. Petrov, I. Piroeva, „Structural Features and Thermal Behavior of Ion-Exchanged Clinoptilolite from Beli Plast Deposit (Bulgaria)" *Minerals*, 12 (12), art. no. 1576, 2022
<https://www.mdpi.com/2075-163X/12/12/1576>
9. R.P. Nikolova, N.L. Petrova, Z.G. Delcheva, L.V. Tsvetanova, T. Stanimirova, I. Piroeva "Serpierite polytypoids from Zvezdel, Bulgaria, and Lavrion, Greece" *Mineralogy and Petrology*, 117 (1), pp. 27- 38, 2023
<https://ui.adsabs.harvard.edu/abs/2023MinPe.117...27N/abstract>
10. K. Anichina, N. Georgiev, N. Lumov, D. Vuchev, G. Popova-Daskalova, G. Momekov, E. Cherneva, R. Mihaylova, A. Mavrova, S. Atanasova-Vladimirova, I. Piroeva, D. Yancheva "Fused Triazinobenzimidazoles Bearing Heterocyclic Moiety: Synthesis, Structure Investigations, and In Silico and In Vitro Biological Activity" *Molecules*, 2023, 28, 1-15, 2023
https://www.mdpi.com/1420-3049/28/13/5034/review_report

LIST OF PROJECTS

PARTICIPANT IN A SCIENTIFIC PROJECT

1. Project DU-44/01.09.2016 "The Thracians - genesis and development of the ethnos, cultural identities, civilizational interactions and heritage from antiquity", "Mining, metallurgy and metal processing. Development of technologies. The earliest metallurgy" Project coordinator Georgi Avdeev, Institute of Physical Chemistry, (2016-2017)
2. Project No. DN 19/7, "Theory and application of sinter-crystallization" Project coordinator: Alexander Karamanov, Institute of Physical Chemistry, (2017-2022)
3. Project No. BG05M2OP001: "Building and development of the scientific potential in the field of specializations in physicochemistry and electrochemistry, OP "Science and education for intelligent growth, Project coordinator: Maria Hristova Petrova-Nikolova, Institute of Physical Chemistry, (2017-2018)
4. Project BG05M2OP001-1 „Clean technologies for sustainable environment –waters, waste, energy for circular economy"

5. Project No. KP-06-DK1/3,-Biopolymer-containing functional platforms for in vitro directed transfer and combined release of therapeutic components in the treatment of coronavirus infection
Project coordinator Victoria Nakova, Institute of Physical Chemistry, (2021-2023)