



Daria Chernomorets

Nationality: Ukrainian **Gender:** Female **Email:** daria.chernomorets@issmc.cnr.it

Work: Via Granarolo 64, 481018 Faenza (Italy)

WORK EXPERIENCE

Internship (Borsa di studio - BANDO No. ISTECA FA BS 01-22, prot. n. 0344721 from 13/11/2023)

CNR-ISSMC, National Research Council of Italy, Institute of Science and Technology for Ceramics [11/2022 – 11/2024]

Address: Via Granarolo, 64, 48018 Faenza (Italy)

1. Preparation and characterization of transparent Y_2O_3 -based ceramics.
2. Synthesis of Y/Yb-disilicates powders, preparation and characterization of environmental barrier coatings (EBC).
3. Microstructure characterization and EDX analysis of ZrB_2 -based ceramics (Ultra-high temperature ceramics).
4. General activities: planning of the experiment; analysis of obtained results and literature sources; presenting obtained results at scientific conferences; publication of papers based on obtained results; writing of reports based on obtained results.
5. Techniques: powders treatment and characterization (DLS, SEM); shaping (dry pressing, cold isostatic pressing (CIP), slip casting, direct ink writing (DIW)); slurries preparation for slip casting and DIW; rheological measurements and interpretation of obtained results; sol-gel and solid-state reaction for powder synthesis; evaluation of X-ray diffractograms; EDX and SEM analysis of the microstructure of ceramics and powders morphology;

Internship (JECS Trust Mobility, contract № 2021293)

CNR-ISSMC, National Research Council of Italy, Institute of Science and Technology for Ceramics [06/2022 – 10/2022]

Address: Via Granarolo, 64, 48018, Faenza (Italy) | Website: <https://www.istec.cnr.it/>

Engineer of Department of Complex Crystalline Materials

Institute for Single Crystals of NAS of Ukraine [2021 – 2022]

Address: Nauky Ave. 60, 61072 Kharkiv (Ukraine) | Website: <http://isc.kharkov.ua/>

EDUCATION AND TRAINING

Ph.D. student

Institute for Single Crystals of NAS of Ukraine [11/2021 – Current]

Address: Nauky Ave. 60, 61072 Kharkiv (Ukraine) | Website: <http://isc.kharkov.ua/> | Field(s) of study: Material Sciences | Thesis: Obtaining of yttrium aluminum garnet ceramics by the slip casting method

Internship

CNR-ISSMC, National Research Council of Italy, Institute of Science and Technology for Ceramics [06/2022 – 11/2024]

Address: Via Granarolo 64, 48018 Faenza (Italy) | Website: <https://www.istec.cnr.it/>

Master's Degree in Chemistry. Diploma with Honours (94/100).

V.N. Karazin Kharkiv National University, Chemistry Faculty. [09/2019 – 05/2021]

City: Kharkiv | Country: Ukraine | Website: <http://www.univer.kharkov.ua> | Field(s) of study: Chemistry | Final grade: 94/100 | Thesis: Protolytic equilibria of imidazole derivatives in water and in micellar surfactant solutions.

Bachelor's Degree in Chemistry (87/100)

V.N. Karazin Kharkiv National University, Chemistry Faculty. [09/2015 – 06/2019]

City: Kharkiv | Country: Ukraine | Website: <http://www.univer.kharkov.ua> | Field(s) of study: Chemistry | Final grade: 87/100 | Thesis: Specific salt effects in micellar solutions of anionic dimeric surfactant.

LANGUAGE SKILLS

Mother tongue(s): Ukrainian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2
SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Russian

LISTENING C2 READING C2 WRITING C2
SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Italian (CISL Standard certificate)

LISTENING B1 READING B1 WRITING B1
SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

NETWORKS & MEMBERSHIPS

[2023 – Current]

Young Ceramics Network (YCN)

Representative of Ukraine in YCN for period 2024-2025 years.

[2024 – Current]

Italian Ceramic Society

[2022 – Current]

I.M. Frantsevich Ukrainian Materials Science Society

[2022 – Current]

European Ceramic Society

PUBLICATIONS

<https://orcid.org/0000-0003-1350-4948>

DIGITAL SKILLS

Microsoft Office (Excel PowerPoint Word) - advanced level / OriginPro (Intermediate) / Google tools (Gmail Drive Google forms etc) / Knowledge of communication platforms (Skype, Zoom) / SciDAvis / Video/Image Editing: basic skills / ImageJ - Basic level / Image-Pro Plus / INCA (base) / Jade - XRD Software

COMMUNICATION AND INTERPERSONAL SKILLS

- Experienced at giving speeches and presentations to large audiences.
- Good conversation skills with people of different ages and cultures.
- Team work: have worked in international research teams.

ORGANIZATION AND LEADERSHIP SKILLS

Skills of organization and planning of working hours;

[2024 – Current]

YCN Representative (Ukraine)

[2021 – 2022]

Student representative

Aware of the criminal penalties in the case of false declarations, I declare that what is stated in this curriculum vitae corresponds to the truth.

Faenza, Dariia Chernomorets, 14/02/2025