

**EUROPEAN  
CURRICULUM VITAE  
FORMAT**



**PERSONAL INFORMATION**

Name **PETROV, OGNAN IVANOV**  
Address **UNIVERSITY OF SOFIA, FACULTY OF CHEMISTRY AND PHARMACY,  
1 JAMES BOURCHIER AVE, SOFIA**  
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E-mail **OPetrov@chem.uni-sofia.bg**  
Nationality Bulgarian  
Date of birth 28/09/1965

**WORK/TEACHING EXPERIENCE**

- Dates (from – to) 2016- Professor  
2008- Associate Professor  
2003-2008 – Chief Assistant Professor  
2001-2003 - Senior Assistant Professor  
2000-2001 - Assistant Professor  
2000 PhD
- Name and address of employer UNIVERSITY OF SOFIA,  
Organic Synthesis, Drug Design and Synthesis, Medicinal Chemistry  
Assoc. Professor, PhD
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities Teaching; fundamental and applied research; management of research contracts

**EDUCATION AND TRAINING**

- Dates (from – to) 1991-1999
- Name and type of organization providing education and training Sofia University “St. Kliment Ohridski”, Faculty of Chemistry
- Principal subjects/occupational skills covered PhD Degree in bioorganic chemistry after a defence of a thesis
- Title of qualification awarded PhD in Chemistry

**PERSONAL SKILLS  
AND COMPETENCES**

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

**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*

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[ SURNAME, other names ]*

**SPECIALIZATIONS ABROAD:**

1991-1992: GUEST-RESEARCHER IN UNIVERSITE PARIS-SUD, CENTER ORSAY, FRANCE

2001-2002: GUEST-RESEARCHER IN UNIVERSITE PAUL SABATIER, TOULOUSE, FRANCE

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(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.*

**TECHNICAL SKILLS  
AND COMPETENCES**

*With computers, specific kinds of equipment, machinery, etc.*

**SCIENTIFIC PUBLICATIONS**

Head of Department of Pharmaceutical and Applied Organic Chemistry (2008-2016))

NMR AND IR SPECTROSCOPY  
GS-MS AND HPLC

50 PUBLICATIONS, AND 3 PATENTS ; MORE THAN 10 SCIENTIFIC CONFERENCES

**ANNEXES:**

- 1. List of publications**
- 2. Participation in national and international projects**
- 3. Participation in conferences, congresses etc.**

**REPRESENTATIVE PUBLICATIONS**

1. DIRECT INVESTIGATION OF THE REORIENTATIONAL DYNAMICS OF A-SITE CATIONS IN 2D ORGANIC-INORGANIC HYBRID PEROVSKITE BY SOLID-STATE NMR, NATURE COMMUNICATIONS, 2022, 13(1), 1513
2. NEW HETEROCYCLIC COMBRETASTATIN A-4 ANALOGS: SYNTHESIS AND BIOLOGICAL ACTIVITY OF STYRYL-2(3H)-BENZOTHAZOLONES, PHARMACEUTICALS, 2021, 14(12), 1331
3. A BIPHENYL INHIBITOR OF EIF4E TARGETING AN INTERNAL BINDING SITE ENABLES THE DESIGN OF CELL-PERMEABLE PROTAC-DEGRADERS, EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, 2021, 219, 113435
4. LOCAL DEUTERIATION ENABLES NMR OBSERVATION OF METHYL GROUPS IN PROTEINS FROM EUKARYOTIC AND CELL-FREE EXPRESSION SYSTEMS, ANGEWANDTE CHEMIE - INTERNATIONAL EDITION, 2021, 60(25), 13783–13787
5. AROMATIC 19 F- 13 C TROSY: A BACKGROUND-FREE APPROACH TO PROBE BIOMOLECULAR STRUCTURE, FUNCTION, AND DYNAMICS, NATURE METHODS, 2019, 16(4), 333–340
6. COMBRETASTATIN A-4 ANALOGUES WITH BENZOXAZOLONE SCAFFOLD: SYNTHESIS, STRUCTURE AND BIOLOGICAL ACTIVITY, EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, 2016, 120, 121–133
7. SELECTIVE PROTEIN HYPERPOLARIZATION IN CELL LYSATES USING TARGETED DYNAMIC NUCLEAR POLARIZATION, ANGEWANDTE CHEMIE - INTERNATIONAL EDITION, 2016, 55(36), 10746–10750
8. NEW EFFICIENT SYNTHESIS OF COMBRETASTATIN A-4 VIA COLVIN REARRANGEMENT, SYNTHESIS, 2011, (22), 3711–3715
9. IVANOVA, Y., G. MOMEKOV, O. PETROV, SYNTHESIS OF NOVEL SUBSTITUTED 1,3-DIARYLPROPENONE DERIVATIVES AND THEIR IN VITRO CYTOTOXIC ACTIVITY, LETT. DRUG DESIGN DISCOV. 6, 5 (2009)
10. TZANOVA, Tz., M. GEROVA, O. PETROV, M. KARAVANOVA, D. BAGREL, SYNTHESIS AND ANTIOXIDANT POTENTIAL OF NOVEL SYNTHETIC BENZOPHENONE ANALOGUES, EUR. J. MED. CHEM., 44, 2724-2730 (2009)
11. 6. KALCHEVA, V., P. BOTEVA, A. ANTONOVA, O. PETROV, Z. MINCHEVA, D. CAIGNARD, P. RENARD, J. BIZOT-ESPIARD, NOUVEAUX DERIVES [3H]-BENZOXAZOLE-2-THIONES ET [3H]-BENZOTHAZOLE-2-THIONES SUBSTITUES, LEUR PROCEDE DE PREPARATION ET LES COMPOSITIONS PHARMACEUTIQUES QUI LES CONTIENNENT, PCT WO 98/25913 (1998)