

**PERSONAL INFORMATION**



Petko Ivanov Bozov

Dept. of Bioch. Microbiol., University of Plovdiv, Tsar Asen 24 Str., Plovdiv  
032261490

[bozov@uni-plovdiv.bg](mailto:bozov@uni-plovdiv.bg)

male | 05/07/1962 | bulgarian

**WORK EXPERIENCE**

05.07.2010- CURRENTLY

Bioch. Microbiol. Dept., University of Plovdiv  
Docent

2003 –2010

VG “Hristo Smirnenski”  
Teacher of chemistry

1998 –2003

Hygia OOD  
Deliverer of medicine

1993 – 1998

Geo Milev School  
Teacher of chemistry

1986 – 1989

Institute of Roses  
Chemist

**EDUCATION AND TRAINING**

1989 – 1992

Chemistry Department , University of Plovdiv  
Doctor

1982-1986

Chemistry Department , University of Plovdiv  
Magister

**PERSONAL SKILLS**

Mother tongue(s) Bulgarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	good	exelent	good	good	good
Russian	exelent	exelent	good	good	good

**Communication skills** Good communication skills gained through my experience as lecturer's and scholarly work.

**Job-related skills** Isolation and purification of biological active compounds. Elucidation the structures of the new compounds by spectroscopic means.

## ADDITIONAL INFORMATION

---

- Publications**
1. Papanov G, Bozov P. and Malakov P., (1992), Triterpenoids from *Lavandula spica* L., **Phytochemistry**, vol. 31, № 4, pp. 1424 – 1426.
  2. Bozov P. , Papanov G, Malakov P., de La Torre M. and Rodriguez B., (1993), A clerodane diterpene from *Ajuga salicifolia*, **Phytochemistry**, vol. 34, № 4, pp. 1173 – 1175.
  3. Bozov P. , Malakov P., Papanov G., de La Torre M. , Rodriguez B. and Perales A., (1993), Scutalpin A, a *neo*-clerodane diterpene from *Scutellaria alpina*, **Phytochemistry**, vol. 34, № 2, pp. 453–456.
  4. Bozov P., Papanov G. and Malakov P., (1994), *Neo*-clerodane diterpenoids from *Scutellaria alpina*, **Phytochemistry**, vol. 35, № 5, pp. 1285–1288.
  5. Malakov, P., Bozov P. and Papanov G., (1997), A *neo*-clerodane diterpenoid from *Scutellaria orientalis* subsp. *Pinnatifida*, **Phytochemistry**, vol. 46, № 3, pp. 587 – 589.
  6. Bivolarksi V., Vasileva T., Bozov P., Iliev I., (2013), Influence of different acceptors on synthesis of glucooligosacharides by purified dextranucrase from *Leuconostoc mesenteroides* URE 13, C. R. **Acad. Bulg. Sci.** , v. 66, issue 10, pp. 1405-1412.
  7. Vasileva T., Bivolarksi V., Bozov P., Iliev I., (2013), Influence of ursolic acid on glycosyl-transferase reactions, **C. R. Acad. Bulg. Sci.** v. 66, issue 11, pp. 1541-1546.
  8. Bivolarksi V., Vasileva T., Bozov P., Iliev I., (2014), Influence of terpens and acarbose on glycosyltransferases produced by strain *Leuconostoc mesenteroides* URE 13, **Biotechnol. & Biotechnol. EQ.** 28(2) pp. 342-349.
  9. Bozov P., Penchev, P. and Coll, J., (2014), *Neo*-Clerodane Diterpenoids from *Scutellaria galericulata*, **Natural Product Communications**, v. 9, (3), pp. 347-350.

10. Plamen N. Penchev, Stefka R. Nachkova, Tonka A. Vasileva and Petko I. Bozov, (2014),  $^1\text{H}$  and  $^{13}\text{C}$  NMR Analysis of the *neo*-Clerodane Diterpenoid Scutecyprin, **Natural Product Communications**, v. 9, (8), pp. 1065-1068.
11. Bozov P., Vasileva T. and Iliev I., (2014), Structure and antifeedant activity relationship of *neo*-clerodane diterpens against colorado potato beetle larvae, **Chemistry of Natural Compounds**, v. 4, pp. 656-657.
12. Tonka Vasileva, Veselin Bivolarksi, Ayshe Salim, Petko Bozov, Ilia Iliev, (2014), Influence of silymarin on glycosyltransferases from *Leuconostoc mesenteroides* URE 13 and Lm 28 strains, **C. R. Acad. Bulg. Sci.** v. 67, issue 10, pp. 1377- 1382.
13. Bozov P., Penchev Pl., Vasileva T. and Iliev I., (2014), Diterpenoids from *scutellaria galericulata*, **Chemistry of Natural Compounds.**, V.49, № 3, pp. 479-480.
14. Yoana P. Georgieva, Rumen D. Mladenov and Petko I. Bozov , (2014), Chemical constituents of *Scutellaria altissima*, **Chemistry of Natural Compounds**, v. 50, № 6, pp. 1146-1147.
15. Natalia Prissadova, Petko Bozov, Kiril Marinkov, Hristo Badakov and Atanas Kristev, (2015), Effects of Ursolic Acid on contractile Activity of gastric Smooth Muscles, **Natural Product Communications**, v. 10, (4), pp. 547-690.
16. Petko I. Bozov and Josep Coll, (2015), *neo*-Clerodane Diterpenoids from *Scutellaria altissima*, **Natural Product Communications**, v. 10, (1), pp. 13-16.
17. S. Nachkova, S. Milenkova, P. Penchev and P. Bozov, (2015), Interpretive Library Search in a Database of Fully Assigned  $^{13}\text{C}$ -NMR Spectra, **Chemistry of Natural Compounds**, v.51, No 5, pp. 993-996.
18. Petko Bozov, Tania Girova, Natalia Prissadova, Yana Hristova, Velizar Gochev, (2015), Antimicrobial activity of *neo*-clerodane diterpenoids isolated from *Lamiaceae* species against pathogenic and food spoilage microorganisms, **Natural Product Communications**, v. 10, (11), pp. 1797-1800.
19. Plamen N. Penchev, Josep Coll, Katia Nicolova, Ilia N. Iliev and Petko I. Bozov, (2016), Minor diterpenoids from *Scutellaria galericulata*, **Phytochemistry letters**, v.15, pp. 103-107.
20. Petko I Bozov, Yoana P Georgieva (2017) Antifeedant Activity of Neo-clerodane Diterpenoids from *Scutellaria altissima* against Colorado Potato Beetle Larvae, **Natural Product Communications**, 12, (3), 327-328
21. Katia H. Nicolova<sup>1</sup>, Norbert Kusz, Judit Hohmann, Mladen M. Naydenov, Petko I. Bozov (2018) Two new neo-Clerodane Diterpenes from *Scutellaria galericulata*, **Chemistry of Natural Compounds**, v.51, No 5, pp. 993-996.
22. K. H. Nikolova, I. T. Stoykov and P. I. Bozov (2018) Responsible Structural Features for Cytotoxic, and other kind activity of neo-clerodane diterpenes from genus *Scutellaria*, **Bulgarian Chemical Communications**, Volume 50, Special Issue C, 7 - 13.

## Projects

Договор №РНФ02-46/2009г. 2009 г.од. между Пловдивски Университет и Фонд “Научни изследвания” МОН, „Създаване на интердисциплинарен научен център за изследване на структурата на пребиотици и функционалния им потенциал върху микроорганизми свързани с човешкото здраве”, член на екипа, ръководител на проекта проф. д-бн Искра Иванова

Договор № ДФНИ-Б01/7, 2012-2014, Фонд “Научни изследвания”, Изследване механизма на действие на ксилоолигозахариди и β-глюкани във връзка с повишаване на техния пребиотичен потенциал, член на екипа, ръководител на проекта доц. д-р Балик Джамбазов.

Фонд научни изследвания при ПУ 2013/2014, Растителни биологично-активни вещества и възможности за приложението им в биотехнологии за здраве, член на екипа, ръководител на проекта доц. д-р Велизар Гочев.

Фонд научни изследвания при ПУ - Идеи 2013/2014, Разработване на кит за бърза диагностика на автоимунни заболявания, член на екипа, ръководител на проекта доц. д-р Елена Стоилова Томова-Георгиева.

Фонд научни изследвания при ПУ 2013/2014, Ензимно модифициране на растителни полизахариди, член на екипа, ръководител на проекта доц. д-р Ваня Маркова Найденова-Маринова.

Договор № 01/2018 год. Медицински университет – Пловдив. Проучване върху химичен състав, антиоксидантна и антимикробна активности на екстракти от *Scutellaria altissima*.

10.11.2018 г.  
Пловдив

Подпис:.....  
/доц. д-р Петко Бозов/