

OSOBNJE INFORMACIJE

Ivan Kosalec



ZVANJE

mag. pharm.

TITULA

izvanredni profesor

RADNO ISKUSTVO

10.1997 -

predstojnik Zavoda

Sveučilište u Zagrebu, Farmaceutsko-biokemijski fakultet, Schrottova 39/I,
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Visokoškolsko obrazovanje i znanstveni rad

OBRAZOVANJE I
OSPOBLJAVANJE

07.1997 -

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Sveučilište u Zagrebu, Farmaceutsko-biokemijski fakultet

07.2002 -

mr. sc.

Sveučilište u Zagrebu, Farmaceutsko-biokemijski fakultet

05.2006 -

dr. sc. (biomedicina i javno zdravstvo)

Sveučilište u Zagrebu, Farmaceutsko-biokemijski fakultet

OSOBNJE VJEŠTINE

Materinski jezik

hrvatski

Ostali jezici	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
engleski	B1/2: Samostalni korisnik	C1/2: Iskusni korisnik	B1/2: Samostalni korisnik	B1/2: Samostalni korisnik	B1/2: Samostalni korisnik

Komunikacijske vještine

- predavač na Farmaceutsko-biokemijskom fakultetu te Prirodoslovno-matematičkom fakultetu Sveučilišta u Zagrebu

- predavača na konferencijama, simpozijima, radionicama

**Organizacijske /
rukovoditeljske vještine**

- predstojnik Zavoda za mikrobiologiju na Farmaceutsko-biokemijskom fakultetu Sveučilišta u Zagrebu, Zagreb
- (biši) blagajnik Hrvatskog mikrobiološkog društva
- (bivši) član Nadzornog odbora rrvatskog mikrobiološkog društva
- član organizacijskih i znanstvenih odbora nekoliko kongresa i simpozija (domaćih i međunarodnih)

Poslovne vještine

- uspješnost u razvijanju nastavnih i znanstvenih kapaciteta Zavoda za mikrobiologiju FBF-a
- uspješna međunarodna suradnja (Sveučilište u Mariboru, Sveučilište u Szegedu, Sveučilište u Ankari i dr.)

Računalne vještine

-računalo pismen

Ostale vještine

- završio školovanje u psihološkoj metodi sistemskih konstelacija
- tajnik planinarskog kluba Sljeme, aktivni planinar
- u slobodno vrijeme cestovni biciklist, položio padobransku školu te imao nekoliko skokova

Vozačka dozvola

B kategorije

DODATNE INFORMACIJE

Izdanja

Pristup objavljenim znanstvenim i stručnim radovima te citiranost i odjeku moguće je pristupiti preko poveznice:
http://scholar.google.com/citations?user=eBOHJ_wAAAAJ

Znanstvene knjige (poglavlja):

1. Kosalec, Ivan; Zovko, Marijana; Kremer, Dario; Oršolić, Nada, Karlović, Ksenija. A review of biological effects of berberine and Croatian barberry (*Berberis croatica* Horvat) as a new source of berberine // *Comprehensive Bioactive Natural Products* / Gupta V.K (ur.). India : Studium Press LLC, 2010. Str. 244-257.

2. Oršolić, Nada; Sirovina, Damir; Kosalec, Ivan; Bašić, Ivan. Honey Bee Products: Immunomodulation and Antitumor Activity // *Comprehensive Bioactive Natural Products* / Gupta V.K (ur.). India : Studium Press LLC, 2010. Str. 45-48.

3. Kosalec, Ivan; Pepeljnjak, Stjepan. Antimicrobial Activity of Propolis: A Review // *Scientific evidence of the use of propolis in ethnomedicine* / Oršolić, Nada ; Bašić, Ivan (ur.). Kerala : Transworld Research Network, 2008. Str. 149-173.

4. Kosalec, Ivan; Sanković, Krešimir; Zovko, Marijana; Oršolić, Nada; Bakmaz, Marina; Kalođera, Zdenka; Pepeljnjak Stjepan. Antimicrobial and Antioxidant Activity of Propolis from Croatia and Brazil: a Comparative Study // *Scientific evidence of the use of propolis in ethnomedicine* / Oršolić, Nada ; Bašić, Ivan (ur.). Kerala : Transworld Research Network, 2008. Str. 175-194.

5. Pepeljnjak, Stjepan; Kosalec, Ivan; Kalođera, Zdenka; Kuštrak, Danica. Natural Antimycotics from Croatian Plants // *Plant-Derived Antimycotics* / Rai, Mahendra ; Mares, Donatella (ur.). Binghamton : Food Products Press, 2003. Str. 49-80.

Znanstveni, pregledni i stručni radovi:

(1) Ristić T, Lasić S, Kosalec I, Bračić M, Fras-Zemljič L. The effect of chitosan nanoparticles onto *Lactobacillus* cells. *React Funct Polym* 2015;97:56-62.

(2) Šamec D, Durgo K, Grúz J, Kremer D, Kosalec I, Piljac-Žegarac J, et al. Genetic and phytochemical variability of six *teucrium arduini* L. populations and their antioxidant/prooxidant behaviour examined by biochemical, macromolecule- and cell-based approaches. *Food Chem* 2015;186:298-305.

(3) Samec D, Gruz J, Durgo K, Kremer D, Kosalec I, Valek Zulj L, et al. Molecular and cellular approach in the study of antioxidant/pro-oxidant properties of *Micromeria croatica* (Pers.) Schott. *Nat Prod Res* 2015;29(18):1770-1774.

(4) Fras-Zemljič L, Kosalec I, Munda M, Strnad S, Kolar M, Bračić M, et al. Antimicrobial efficiency evaluation by monitoring potassium efflux for cellulose fibres functionalised by chitosan. *Cellulose* 2015;22(3):1933-1942.

(5) Mura P, Mennini N, Kosalec I, Furlanetto S, Orlandini S, Jug M. Amidated pectin-based wafers for econazole buccal delivery: Formulation optimization and antimicrobial efficacy estimation. *Carbohydr Polym* 2015;121:231-240.

(6) Kremer D, Košir IJ, Končić MZ, Čerenak A, Potočnik T, Srećec S, et al. Antimicrobial and antioxidant properties of *satureja montana* L. and *s. subspicata* vis. (Lamiaceae). *Curr Drug Targets* 2015;16(14):1623-1633.

(7) Dunkić V, Kosalec I, Košir IJ, Potočnik T, Čerenak A, Končić MZ, et al. Antioxidant and antimicrobial properties of *veronica spicata* L. (plantaginaceae). *Curr Drug Targets* 2015;16(14):1660-1670.

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(9) Kremer D, Bolarić S, Ballian D, Bogunić F, Stešević D, Karlović K, et al. Morphological, genetic and phytochemical variation of the endemic *Teucrium arduini* L. (Lamiaceae). *Phytochemistry* 2015;116(1):111-119.

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- (11) Kremer D, Dunkić V, Stešević D, Kosalec I, Ballian D, Bogunić F, et al. Micromorphological traits and essential oil of *Micromeria longipedunculata* Bräuchler (Lamiaceae). *Cent Eur J Biol* 2014;9(5):559-568.
- (12) Kremer D, Dunkić V, Ruščić M, Matevski V, Ballian D, Bogunić F, et al. Micromorphological traits and essential oil contents of *Micromeria kernerii* Murb. and *M. juliana* (L.) Benth. (Lamiaceae). *Phytochemistry* 2014;98:128-136.
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- (14) Kremer D, Lukač G, Randić M, Krušić I, Kosalec I, Ruščić M. New localities of *Berberis croatica* Horvat and *Teucrium arduini* L. in the Croatian Dinaric mountains. *Nat Croat* 2014;23(1):147-162.
- (15) Oršolić N, Sirovina D, Gajski G, Garaj-Vrhovac V, Jazvinščak Jembrek M, Kosalec I. Assessment of DNA damage and lipid peroxidation in diabetic mice: effects of propolis and epigallocatechin gallate (EGCG). *Mutat Res* 2013;757(1):36-44.
- (16) Kremer D, Košir IJ, Kosalec I, Končić MZ, Potočnik T, Čerenak A, et al. Investigation of chemical compounds, antioxidant and antimicrobial properties of *Teucrium arduini* L. (Lamiaceae). *Curr Drug Targets* 2013;14(9):1006-1014.
- (17) Zorić N, Horvat I, Kopjar N, Vušemilović A, Kremer D, Tomić S, et al. Hydroxytyrosol expresses antifungal activity in vitro. *Curr Drug Targets* 2013;14(9):992-998.
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- (19) Oršolić N, Sirovina D, Gajski G, Garaj-Vrhovac V, Jazvinščak Jembrek M, Kosalec I. Assessment of DNA damage and lipid peroxidation in diabetic mice: Effects of propolis and epigallocatechin gallate (EGCG). *Mutat Res Genet Toxicol Environ Mutagen* 2013.
- (20) Kremer D, Čepo DV, Dunkić V, Müller ID, Kosalec I, Bezić N, et al. Phytochemical and micromorphological traits of *Geranium dalmaticum* and *G. macrorrhizum* (Geraniaceae). *Nat Pro Comm* 2013;8(5):645-650.
- (21) Kosalec I, Kremer D, Locatelli M, Epifano F, Genovese S, Carlucci G, et al. Anthraquinone profile, antioxidant and antimicrobial activity of bark extracts of *Rhamnus alaternus*, *R. fallax*, *R. intermedia* and *R. pumila*. *Food Chem* 2013;136(2):335-341.
- (22) Dunkić V, Kremer D, Dragojević Müller I, Stabentheiner E, Kuzmić S, Jurišić Grubešić R, et al. Chemotaxonomic and micromorphological traits of *Satureja montana* L. and *S. subspicata* Vis. (Lamiaceae). *Chem Biodiversity* 2012;9(12):2825-2842.
- (23) Kremer D, Müller ID, Stabentheiner E, Vitali D, Kopričanec M, Ruščić M, et al. Phytochemical and micromorphological traits of endemic *micromeria pseudocroatica* (Lamiaceae). *Nat Pro Comm* 2012;7(12):1667-1670.
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- (25) Hatvani L, Sabolić P, Kocsubé S, Kredics L, Czifra D, Vágvölgyi C, et al. The first report on mushroom green mould disease in Croatia. *Arh Hig Rada Toksikol* 2012;63(4):481-487.
- (26) Jug M, Kosalec I, Maestrelli F, Mura P. Development of low methoxy amidated pectin-based mucoadhesive patches for buccal delivery of triclosan: Effect of

- cyclodextrin complexation. *Carbohydr Polym* 2012;90(4):1794-1803.
- (27) Vladimir-Knežević S, Kosalec I, Babac M, Petrović M, Ralić J, Matica B, et al. Antimicrobial activity of *Thymus longicaulis* C. Presl essential oil against respiratory pathogens. *Cent Eur J Biol* 2012;7(6):1109-1115.
- (28) Kremer D, Müller ID, Dunkić V, Vitali D, Stabentheiner E, Oberländer A, et al. Chemical traits and antimicrobial activity of endemic *Teucrium arduini* L. from Mt Biokovo (Croatia). *Cent Eur J Biol* 2012;7(5):941-947.
- (29) Jakšić D, Puel O, Canlet C, Kopjar N, Kosalec I, Klarić MS. Cytotoxicity and genotoxicity of versicolorins and 5- methoxysterigmatocystin in A549 cells. *Arch Toxicol* 2012;86(10):1583-1591.
- (30) Kremer D, Stabentheiner E, Grubešić RJ, Oberländer A, Vladimir-knežević S, Kosalec I, et al. A morphological and chemotaxonomic study of *Teucrium arduini* L. in Croatia, and Bosnia and Herzegovina. *Plant Biosyst* 2012;146(2):402-412.
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- (39) Zovko Končić M, Kremer D, Karlović K, Kosalec I. Evaluation of antioxidant activities and phenolic content of *Berberis vulgaris* L. and *Berberis croatica* Horvat. *Food Chem Toxicol* 2010;48(8-9):2176-2180.
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- (42) Klarić MS, Cvetnić Z, Pepeljnjak S, Kosalec I. Co-occurrence of aflatoxins, ochratoxin a, fumonisins, and zearalenone in cereals and feed, determined by competitive direct enzyme-linked immunosorbent assay and thin-layer chromatography. *Arh Hig Rada Toksikol* 2009;60(4):427-434.
- (43) Kosalec I, Cvek J, Tomić S. Contaminants of medicinal herbs and herbal

products. Arh Hig Rada Toksikol 2009;60(4):485-501.

(44) Rajić Z, Perković I, Butula I, Zorc B, Hadjipavlou-Litina D, Pontiki E, et al. Synthesis and biological evaluation of O-methyl and O-ethyl NSAID hydroxamic acids. J Enzyme Inhib Med Chem 2009;24(5):1179-1187.

(45) Kosalec I, Gregurek B, Kremer D, Zovko M, Sanković K, Karlović K. Croatian barberry (*Berberis croatica* Horvat): A new source of berberine - Analysis and antimicrobial activity. World J Microbiol Biotechnol 2009;25(1):145-150.

(46) Benkovic V, Horvat Knezevic A, Dikic D, Lisicic D, Orsolc N, Basic I, et al. Radioprotective effects of propolis and quercetin in γ -irradiated mice evaluated by the alkaline comet assay. Phytomedicine 2008;15(10):851-858.

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Prezentacije

1. Findri-Guštek, Štefica; Petek, Maja Jelena; Sarajlija, Hrvoje; Mršić, Gordan; Kosalec, Ivan.
Povezanost kandidoza s tvorbom niskomolekularnog metabolita 2-feniletanola u uvjetima in vivo i in vitro // Knjiga sažetaka / Škerk, Višnja (ur.). Zagreb : Hrvatsko društvo za urogenitalne i spolno prenosive infekcije HLŽ-a i Klinika za infektivne bolesti, 2010. 75-75
2. Jug, Mario; Kosalec, Ivan; Karas, Ognjen. Utjecaj tehnoloških parametara ekstrakcije na antimikrobnu aktivnost propolisa // Knjiga sažetaka / Zorc, Branka (ur.). Zagreb, 2010. 90-90
3. Jurišić Grubešić, Renata; Kremer, Dario; Vladimir-Knežević, Sanda; Karlović, Ksenija; Kosalec, Ivan. QUANTITATIVE AND MULTIVARIATE ANALYSIS OF POLYPHENOLIC COMPOUNDS IN TEUCRIUM ARDUINI L. // Knjiga sažetaka (Book of Abstracts) / Zorc, Branka (ur.). Zagreb : Hrvatsko farmaceutsko društvo, 2010. 159-159
4. Kosalec, Ivan; Maleš, Željani; Kopjar, Nevenka. ANTIFUNGAL ACTIVITY OF ECHINACEAE PURPUREAE HERBA EXTRACT // Četvrti hrvatski kongres farmacije s međunarodnim sudjelovanjem - Knjiga sažetaka/Book of Abstracts / Zorc, Branka (ur.). Zagreb : Hrvatsko farmaceutsko društvo, 2010. 154-154
5. Kosalec, Ivan; Zovko Končić, Marijana; Verina, Ingram. Antimicrobial and antioxidant activities of Cameroonian propolis // Četvrti hrvatski kongres farmacije s međunarodnim sudjelovanjem : Knjiga sažetaka = Book of Abstract / Zorc, Branka (ur.). Zagreb : Hrvatsko farmaceutsko društvo, 2010. 169-169
6. Pušić, Petra; Drčelić, Marina; Kosalec, Ivan; Šegvić Klarić, Maja; Zubčić, Snježana; Tomić, Siniša. Mycological contamination of medicinal herbs from Croatian market // "Biology of pathogenic fungi" 2nd CESC 2010 Central European Summer Course on Mycology. Szeged, 2010. 49-49
7. Zovko Končić, Marijana; Kremer, Dario; Gruz, Jiri; Strnad, Miroslav; Biševac, Goran; Kosalec, Ivan; Šamec, Dunja; Piljac-Žegarac, Jasenka; Karlović, Ksenija. Antioxidant and antimicrobial properties of Moltkia Ppetraea (Tratt.) Griseb. // 4. hrvatski kongres farmacije s međunarodnim sudjelovanjem : Knjiga sažetaka = Book of Abstracts / Zorc, Branka (ur.). Zagreb : Hrvatsko farmaceutsko društvo, 2010. 165-165
8. Pepeljnjak, Stjepan; Kosalec, Ivan; Šegvić Klarić, Maja. Anti-Candida effect of Septotele and their active compounds // Abstracts of the 4th Croatian Congress of Microbiology with International Participation. Knjiga sažetaka = Book of Abstracts / Zorc, Branka (ur.). Zagreb : Hrvatsko farmaceutsko društvo, 2010. 170
9. Šegvić Klarić, Maja; Kosalec, Ivan; Cvetnić, Zdenka; Pepeljnjak, Stjepan. Comparison between ELISA and TLC methods for determination of fumonisins (B1+B2+B3) and aflatoxins (B1+B2+G1+G2) in food and feed // Abstracts of the 4th Croatian Congress of Microbiology with International Participation.
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Projekti

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Članstva

Hrvatsko farmaceutsko društvo