Recent publications since 2012. (photo):

Lovrinčević, Vilma ; Zheng, Dexin ; Baudin-Marie, Mélyne ; Marić, Mia ; Uzelac, Lidija ; Škorić, Irena ; Ma, Jiani ; Vuk, Dragana: **Aminonaphthalene and Aminoquinoline Photocages: meta-Effect and Photo-release of Carboxylic Acids and Alcohols** // *Journal of photochemistry and photobiology. A, Chemistry*, 454 (2024), 2024; 1-15. doi: 10.1016/j.jphotochem.2024.115715

Draženović, Josip; Laconsay, J. Croix; Došlić, Nađa; I-Chia Wu, Judy; Basarić, Nikola: **Excited-State Antiaromaticity Relief Drives Facile Photoprotonation of Carbons in Aminobiphenyls** //
Chemical science, 2024 (2024), 1; 1-13. doi: 10.1039/D4SC00642A

Igor Sviben, Igor; Glavaš, Mladena ; Erben, Antonija; Bachelart, Thomas; Pavlović Saftić, Dijana; Piantanida, Ivo; Basarić, Nikola; **Dipeptides Containing Pyrene and Modified Photochemically Reactive Tyrosine: Noncovalent and Covalent Binding to Polynucleotides** //
Molecules, 28(22) (2023), 7533; str. 1-16. DOI: 10.3390/molecules28227533

Lovrinčević, Vilma ; Guo, Yan ; Vuk, Dragana ; Škorić, Irena ; Ma, Jiani ; Basarić, Nikola
3-Substituted 2-aminonaphthalene photocages for carboxylic acids and alcohols; decaging mechanism and potential applications in synthesis//
Journal of organic chemistry, 2023 (2023), 88; str. 15176-15188. 10.1021/acs.joc.3c01678

Glavaš, Mladena; Zlatić, Katarina; Jadreško, Dijana; Ljubić, Ivan; Basarić, Nikola;
Fluorescent pH sensors based on BODIPY structure sensitive in acidic media //
Dyes and pigments, 2023 (2023) 220 ; 111660, 11 . 10.1016/j.dyepig.2023.111660

Sohora, Margareta; Sović, Irena; Spahić, Zlatan; Kontrec, Darko; Jurin, Mladenka
Photochemistry of phthalimidoadamantane dipeptides: efectof amino acid side chain on photocyclization //
Photochemical & photobiological sciences (2023) doi:10.1007/s43630-023-00430-4

Brusar, Vedran; Forjan, Mateo; Ljubić, Ivan; Alešković, Marija; Becker, Kristin; Vdović, Silvije
Ultrafast Photoelimination of Nitrogen from Upper Excited States of Diazoalkanes and the Fate of Carbenes Formed in the Reaction //
Journal of organic chemistry, 88 (2023), 7; 4286-4300 doi:10.1021/acs.joc.2c02875

Zlatić, Katarina; Bogomolec, Marko; Cindrić, Matej; Uzelac, Lidija; Basarić, Nikola
Synthesis, photophysical properties, anti-Kasha photochemical reactivity and biological activity of vinyl- and alkynyl-BODIPY derivatives //
Tetrahedron (2022) doi:10.1016/j.tet.2022.132995

Sambol, Matija; Košćak, Marta; Uzelac, Lidija; Kralj, Marijeta; Piantanida, Ivo; Basarić, Nikola
Simultaneous staining of endoplasmic reticulum and lipid droplets by naphthol-aminonaphthalimide conjugates and photoinduced antiproliferative effects //
Dyes and pigments, 106 (2022), 1-15 doi:10.1016/j.dyepig.2022.110651

Draženović, Josip; Rožić, Tomislav; Došlić, Nađa; Basarić, Nikola
Excited State Intramolecular Proton Transfer (ESIPT) from -NH 2 to the Carbon Atom of a Naphthyl Ring //
Journal of organic chemistry 87 (2022) 9148-9156 doi:10.1021/acs.joc.2c00818

Lovrinčević, Vilma; Vuk, Dragana; Škorić, Irena; Basarić, Nikola

Chromo-orthogonal deprotection of carboxylic acids by aminonaphthalene and aminoaniline photocages //
Journal of organic chemistry, 87 (2022), 5; 2489-2500 doi:10.1021/acs.joc.1c02407

Erben, Antonija; Sviben, Igor; Mihaljević, Branka; Piantanida, Ivo; Basarić, Nikola
Non-Covalent Binding of Tripeptides-Containing Tryptophan to Polynucleotides and Photochemical Deamination of Modified Tyrosine to Quinone Methide Leading to Covalent Attachment //
Molecules, **26** (2021), 14; 4315, 18 doi:10.3390/molecules26144315

Sambol, Matija; Benčić, Patricia; Erben, Antonija; Matković, Marija; Mihaljević, Branka; Piantanida, Ivo; Kralj, Marijeta; Basarić, Nikola:
Photochemical Reactivity of Naphthol-Naphthalimide Conjugates and Their Biological Activity //
Molecules, **26** (2021), 11; 3355, 26 doi:10.3390/molecules26113355

Zlatić, Katarina; Cindrić, Matej; Antol, Ivana; Uzelac, Lidija; Mihaljević, Branka; Kralj, Marijeta; Basarić, Nikola: **Wavelength dependent photochemistry of BODIPY-phenols and their applications in fluorescent labeling of proteins** //
Organic & biomolecular chemistry, **19** (2021), 22; 4891-4903 doi:10.1039/D1OB00278C

Mandić, Leo; Sohora, Margareta; Mihaljević, Branka; Biczók, László; Basarić, Nikola:
The effect of the rate of photoinduced electron transfer on the photodecarboxylation efficiency in phthalimide photochemistry //
Journal of photochemistry and photobiology. A, Chemistry, **408** (2021), 113109, 7 doi:10.1016/j.jphotochem.2020.113109

Margareta, Sohora; Mandić, Leo; Basarić, Nikola:
[3+2] cycloaddition with photogenerated azomethine ylides in β-cyclodextrin //
Beilstein journal of organic chemistry, **16** (2020), 1296-1304

Mandić, Leo; Džeba, Iva; Jadreško, Dijana; Mihaljević, Branka; Biczok, Laszlo; Basarić, Nikola:
Photophysical properties and electron transfer photochemical reactivity of substituted phthalimides //
New journal of chemistry, **44** (2020), 17252-17266

Pitesa, Tomislav; Aleskovic, Marija; Becker, Kristin; Basaric, Nikola; Došlić, Nađa:
Photoelimination of Nitrogen from Diazoalkanes: Involvement of Higher Excited Singlet States in the Carbene Formation //
Journal of the American Chemical Society. 142 (2020), 21; 9718-9724

Zlatić, Katarina; Antol, Ivana; Uzelac, Lidija; Mikecin Dražić, Ana-Matea; Kralj, Marijeta; Bohne, Cornelia; Basarić, Nikola:
Labeling of Proteins by BODIPY-Quinone Methides utilizing Anti-Kasha Photochemistry *// ACS Applied Materials & Interfaces*. **12** (2020) , 1; 347-351

Zlatić, Katarina; Ayouchia, Hicham Ben El; Anane, Hafid; Mihaljević, Branka; Basarić, Nikola; Rohand, Taoufik:
Spectroscopic and photophysical properties of mono- and dithiosubstituted BODIPY dyes //
Journal of photochemistry and photobiology. A, Chemistry. **388** (2020) , 112206; 1-8

Šumanovac, Tatjana; Alešković, Marija; Šekutor, Marina; Matković, Marija; Baron, Thibaut; Mlinarić-Majerski; Bohne, Cornelia; Basarić, Nikola:
Photoelimination of Nitrogen from Adamantane and Pentacycloundecane (PCU) Diazirines: Spectroscopic Study and Supramolecular Control //

Photochem & photobiol sci. **18** (2019) ; 1806-1822

Ma, Jiani; Šekutor, Marina; Škalamera, Đani; Basarić, Nikola; Phillips, David Lee. **Formation of Quinone Methides by Ultrafast Photodeamination: A Spectroscopic and Computational Study //**
J. Org. Chem. **84** (2019) ; 8630-8637

Benčić, Patricia; Mandić, Leo; Džeba, Iva; Tartaro Bujak, Ivana; Biczók, László; Mihaljević, Branka; Mlinarić-Majerski, Kata; Weber, Igor; Kralj, Marijeta; Basarić, Nikola. **Application of 4-amino-N-adamantylphthalimide solvatochromic dye for fluorescence microscopy in selective visualization of lipid droplets and mitochondria //**
Sensors and actuators. B, Chemical. **286** (2019) , x; 52-61

Sambol, Matija; Ester, Katja; Landgraf, Stephan; Mihaljević, Branka; Cindrić, Mario; Kralj, Marijeta; Basarić,Nikola:
Competing photochemical reactions of bis-naphthols and their photoinduced antiproliferative activity //
Photochem & photobiol sci. **18** (2019) ; 1197-1211

Škalamera, Đani; Matković, Marija; Uzelac, Lidija; Kralj, Marijeta; Mlinarić-Majerski, Kata; Bohne,Cornelia;Basarić,Nikola:
Photodeamination to quinone methides in cucurbit[n]urils: potential application in drug delivery. //
Org & biomol chem. **16** (2018) , 46; 8908-8912

Škalamera, Đani; Antol, Ivana; Mlinarić-Majerski, Kata; Vančik, Hrvoj; Phillips, David Lee; Ma, Jiani; Basarić, Nikola:
Ultrafast Adiabatic Photodehydration of o-hydroxymethylphenol and Formation of Quinone Methide //
Chem: a Eur. J. **2018**(2018) , 24; 9426-9435

Sohora, Margareta; Vazdar, Mario; Sović, Irena; Mlinarić-Majerski, Kata; Basarić, Nikola.
Photocyclization of tetra- and pentapeptides containing adamantylphthalimide and phenylalanines: reaction efficiency and diastereoselectivity //
J. Org. Chem. **83** (2018) ; 14905-14922

J. Ma, X. Zhang, N. Basarić, D.L. Phillips:
Direct Observation of Photoinduced Ultrafast Generation of Singlet and Triplet Quinone Methides in Aqueous Solutions and Insight into the Roles of Acidic and Basic Sites in Quinone Methide Formation //
J. Am. Chem. Soc. 2017, 139, 18349-18357

Đ. Škalamera, V. Blažek Bregović, I. Antol, C. Bohne, N. Basaric:
Hydroxymethylaniline photocages for carboxylic acids and alcohols //
J. Org. Chem. 2017, 82, 23, 12554-12568

V. Blažek Bregović, N. Basarić**:**
Competing processes in the photochemistry of picolines and their N-methyl salts: photoinduced charge transfer, phototransposition and photohydration //
Res. Chem. Intermediates. **2017**, 43, 2; 859-871

S. Chaiwongwattana, Đ. Škalamera, N. Doslic, C. Bohne, N. Basarić:
Substitution Pattern on Anthrol Carbaldehydes: Excited State Intramolecular Proton Transfer (ESIPT) with a Lack of Phototautomer Fluorescence //
Phys. Chem. Chem. Phys. **2017**, 19, 28439-28449

Đ. Škalamera, K. Mlinarić-Majerski, I. Martin Kleiner, M. Kralj, J. Oake, P. Wan, C. Bohne, N. Basarić:
Photochemical formation of anthracene quinone methide derivatives //
J. Org. Chem. **2017**, 82 , 12; 6006-6021

Đ. Škalamera, J. Veljković, L. Ptiček, M. Sambol, K. Mlinarić-Majerski, N. Basarić: **Synthesis of asymmetrically disubstituted anthracenes //**
Tetrahedron. **2017**, 73 , 40; 5892-5899

V. Blažek Bregović, N. Basarić: Co**mpeting processes in the photochemistry of picolines and their *N*-methyl salts: photoinduced charge transfer, phototransposition and photohydration**
Res. Chem. Intermed. **2017**,43, 2; 859-871; doi:10.1007/s11164-016-2669-6.

Husak, A; Noichl, B. P.; Šumanovac Ramljak, T; Sohora, M; Škalamera, Đ; Budiša, N; Basarić, N: **Photochemical formation of quinone methides from peptides containing modified tyrosin //**
Organic & biomolecular chem. **2016**, 14, 10894-10905. doi: 10.1039/C6OB02191C
L. Mandić, K. Mlinarić-Majerski, A. G. Griesbeck, N. Basarić:
Photodecarboxylation of Adamantane Amino Acids Activated by Phthalimide //
Eur. J. Org. Chem. **2016**, 4404-4414 doi: 10.1002/ejoc.201600491.

Govender, T; Govinden, U; Mocktar, C; Kruger, H. G.; Veljković, J; Cindro, N; Bobinac, D; Žabčić, I; Mlinarić-Majerski, K; Basarić, N: **In vitro investigation of the antimicrobial activity of a series of lipophilic phenols and naphthols. //**
South African journal of chemistry. **2016**, 69 ; 44-50; doi: 10.17159/0379-4350/2016/v69a6

N. Cindro, I. Antol, K. Mlinarić-Majerski, I. Halasz, P. Wan, N. Basarić:
Reactivity of Cations and Zwitterions Formed in Photochemical and Acid-Catalyzed Reactions from m-Hydroxycycloalkyl-Substituted Phenol Derivatives //
J. Org. Chem. **2015**, *80*, 12420-12430. doi: 10.1021/acs.joc.5b02297

Đ. Škalamera, C. Bohne, S. Landgraf, N. Basarić:
Photodeamination Reaction Mechanism in Aminomethyl p-CresolDerivatives: Different Reactivity of Amines and Ammonium Salts //
J. Org. Chem. **2015**, *80*, 10817-10828. doi: 10.1021/acs.joc.5b01991

N. Basarić, S. S. Thomas, V. Blažek Bregović, N. Cindro, C. Bohne**:**
Phototautmoerization in pyrrolylphenylpyridine terphenyl systems //
J. Org. Chem. **2015**, *80*, 4430-4442. doi: 10.1021/acs.joc.5b00275

J. Ma, X. Zhang, N. Basarić, P. Wan, D. Lee Phillips:
Observation of excited state proton transfer in 2-phenylphenol and 2-phenyl-1-naphthol and formation of quinone methide species //
Phys. Chem. Chem. Phys. **2015**, *17*, 9205-9211. doi: 10.1039/C4CP05061D

N. Basarić, C. Clementi, B. Carlotti, M. Alešković, F. Elisei:
Photophysics of cyanophenylpyrroles: Investigation of solvatochromic properties and charge transfer by ultrafast spectroscopy and DFT calculations //
J. Photochem. Photobiol. A: Chem. **2015**, *229*, 99-102. doi: 10.1016/j.jphotochem.2014.11.016

M. Sohora, T. Šumanovac Ramljak, K. Mlinarić-Majerski, N. Basarić: **Photodecarboxylation of N-adamantyl and N-phenylphthalimide derivatives //**
Croatica Chem. Acta **2014**, 87, 431-446. doi: 10.5562/cca2482

T. Šumanovac Ramljak, M. Sohora, I. Antol, D. Kontrec, N. Basarić, K. Mlinarić-Majerski: **Memory of chirality in the phthalimide photocyclization of adamantane dipeptides**
Tetrahedron Lett. **2014**, *55*, 4078-4081. doi: 10.1016/j.tetlet.2014.05.118

Đ. Škalamera, K. Mlinarić-Majerski, I. Martin-Keliner, M. Kralj, P. Wan, N. Basarić:
Near-Visible Light Generation of a Quinone Methide from 3-Hydroxymethyl-2-anthrol
J. Org.Chem. **2014**, *79*, 4390-4397. doi: 10.1021/jo500290y

N. Basarić, K. Mlinarić-Majerski, M. Kralj:
Quinone methides: photochemical generation and its application in biomedicine
Curr. Org. Chem. **2014**, *18*, 3-18. doi: 10.2174/1385272818011401211223330

Đ. Škalamera, K. Mlinarić-Majerski, L. Uzelac, M. Kralj, P. Wan, N. Basarić: **Photosolvolysis of bulky (4-hydroxyphenyl)naphthalene derivatives //**
Photochem. Photobiol. Sci. **2013**, *12*, 2043-2056. doi: 10.1039/C3PP50190F

N. Basarić, N. Došlić, J. Ivković, Y.-H. Wang, J. Veljković, K. Mlinarić-Majerski, P. Wan: **Excited State Intramolecular Proton Transfer (ESIPT) from Phenol to Carbon in Selected Phenylnaphthols and Naphthylphenols //**
J. Org. Chem. **2013**, *78*, 1811-1823 doi: 10.1021/jo301456y

N. Cindro, I. Halasz, K. Mlinarić-Majerski, N. Basarić:
Photoinduced H-abstraction in homo- and protoadamantylphthalimide derivatives in solution and in organized and constrained media //
Eur. J. Org. Chem. **2013**, 929-938. doi: 10.1002/ejoc.201201332

N. Basarić, N. Došlić, J. Ivković, Y.-H. Wang, M. Mališ, P. Wan:
Very Efficient Generation of Quinone Methides via Excited State Intramolecular Proton Transfer (ESIPT) to Carbon Atom //
Chem. Eur. J. **2012**, *18*, 10618-10623. doi: 10.1002/chem.201201144

J. Veljković, L. Uzelac, K. Molčanov, K. Mlinarić-Majerski, M. Kralj, P. Wan, N. Basarić: **Stericaly congested adamantylnaphthalene quinone methides** //
J. Org. Chem. **2012**, *77*, 4596-4610. doi: 10.1021/jo3002479

N. Basarić, N. Cindro, D. Bobinac, K. Mlinarić-Majerski, L. Uzelac, M. Kralj, P. Wan: **Zwitterionic biphenyl quinone methides in photodehydration reactions of 3-hydroxybiphenyl derivatives: laser flash photolysis and antiproliferation study //**
Photochem. Photobiol. Sci. **2012**, *11*, 381-396. doi: 10.1039/C1PP05338H