

PUBLICATION LIST

Reviews:

1. **S. OSTROWSKI**,
"Approaches to Fused Pyrimidine Derivatives by the Pyrimidine Ring Construction and their Application to Synthesis of Purines",
Polish J. Chem., **75**, 1661-1687 (2001).
2. **S. OSTROWSKI**,
"On Selective Derivatization of *meso*-Tetraarylporphyrins" (A Microreview)",
Abhath al Yarmouk Journal: Basic Sci. & Eng., **12**, 523-539 (2003); *Chem. Abstr.*, **2005**, 142, 347339p.
3. **S. OSTROWSKI**,
"Synthetic Porphyrins – A Short Review on Preparation and Applications",
In: *New Trends in Academic Studies*, K. Jankowski, Ed.; University of Podlasie Publishing House, Siedlce, 2005, pp. 7-13 (in Polish).
4. **S. OSTROWSKI**,
"Synthesis of Fused Pyrimidines and Purines by Vicarious Nucleophilic Substitution of Hydrogen (A Microreview)",
Jordan J. Chem., **4**, 1-15 (2009).

Journal Articles:

5. M. MAKOSZA, T. GLINKA, **S. OSTROWSKI**, A. RYKOWSKI,
"Vicarious Nucleophilic Substitution of Hydrogen *versus bis*-Annulation in the Reaction of Chloromethyl Aryl Sulphone Carbanion with Electrophilic Arenes",
Chem. Lett., **1987**, 61-64.
6. **S. OSTROWSKI**, M. MAKOSZA,
"Transformations of Carbanionic σ -Adducts of 6-Azaquinoxaline Derivatives",
In: *Studies in Organic Chemistry*, **35**; J. Kováč and P. Zálupský, Eds.; Elsevier, Amsterdam – Oxford – New York – Tokyo, 1988, pp. 444-448.
7. **S. OSTROWSKI**, M. MAKOSZA,
"Transformations of Carbanionic σ -Adducts of 6-Azaquinoxaline Derivatives",
Tetrahedron, **44**, 1721-1726 (1988).
8. M. MAKOSZA, **S. OSTROWSKI**,
"Vicarious Nucleophilic Substitution of Hydrogen in Pteridine Derivatives",
J. Prakt. Chem., **330**, 789-794 (1988).
9. **S. OSTROWSKI**, M. MAKOSZA,
"Synthesis of Heptafulvene Derivatives by Vicarious Nucleophilic Substitution of Hydrogen in Tropylium Tetrafluoroborate",
Liebigs Ann. Chem., **1989**, 95-97.
10. **S. OSTROWSKI**, M. MAKOSZA,
"Why Do η^6 -Arene-tricarbonylchromium(0) π -Complexes Not Enter the Vicarious Nucleophilic Substitution of Hydrogen?",
J. Organomet. Chem., **367**, 95-100 (1989).
11. **S. OSTROWSKI**, K. WOJCIECHOWSKI,
"Vicarious Nucleophilic Substitution of Hydrogen (VNS) in Nitrobenzofuroxans and the Boulton-Katritzky Rearrangement of the VNS Products",
Canadian J. Chem., **68**, 2239-2241 (1990).
12. M. MAKOSZA, J. GOLINSKI, **S. OSTROWSKI**, A. RYKOWSKI,
A.B. SAHASRABUDHE,
"Vicarious Nucleophilic Substitution of Hydrogen, *bis*-Annulation and Competitive Reactions of α -Haloalkyl Carbanions with Bicyclic Azaaromatic Compounds",
Chem. Ber., **124**, 577-585 (1991).

13. J.W. KRAJEWSKI, P. GLUZIŃSKI, **S. OSTROWSKI**, M. MAKOSZA, S.V. LINDEMAN, Yu.T. STRUCHKOV,
"Molecular Structures of Two Stereoisomers of 1,2,3,4-Tetrahydro-1,2:3,4-bis(tolylsulphonyl-methyl methane)-pyrido[3,4-b]pyrazine",
Bull. Acad. Pol. Sci. Chem., **39**, 287-293 (1991).
14. M. MAKOSZA, **S. OSTROWSKI**,
"Orientation of the Carbanion Attack of Chloromethyl *para*-Tolyl Sulphone in 1-Cyanonaphthalene Derivatives",
J. Chem. Soc., Perkin Trans. 2, **1991**, 1093-1097.
15. T.G. BURKE, **S. OSTROWSKI**, S. RAHBAR, W. PRIEBE,
"Liposome-Encapsulated Haemoglobin as a Blood Substitute: Synthesis and Evaluation of Allosteric Effectors for the Optimization of Oxygen Affinity",
Pharmaceut. Res., **9**, S-74 (1992).
16. S. KWIATKOWSKI, **S. OSTROWSKI**,
"Transformations of *N*-Methyl-4,5-Dihydroisoxazolium Methylsulphates",
Bull. Soc. Chim. Belg., **102**, 259-269 (1993).
17. M. MAKOSZA, A. KINOWSKI, **S. OSTROWSKI**,
"Direct Isocyanomethylation of Nitroarenes *via* the Vicarious Nucleophilic Substitution of Hydrogen by Phenylthiomethylisocyanide Carbanion",
Synthesis, **1993**, 1215-1217.
18. **S. OSTROWSKI**, W. PRIEBE, T.G. BURKE,
"¹³C NMR Spectra of Allosteric Effectors of Haemoglobin",
Magn. Reson. Chem., **32**, 182-183 (1994).
19. **S. OSTROWSKI**,
"Synthesis of Some New Imidazole Derivatives",
Polish J. Chem., **68**, 2237-2247 (1994).
20. **S. OSTROWSKI**, R.J. MORITZ, B. MUDRYK,
"Vicarious Nucleophilic Substitution of Hydrogen in Nitro-1,6-methano[10]annulenes",
Monatsh. Chem., **126**, 447-459 (1995).
21. **S. OSTROWSKI**, R.J. MORITZ,
"Vicarious Nucleophilic Substitution of Hydrogen in Cyano-1,6-methano[10]annulenes",
Gazz. Chim. Ital., **125**, 421-425 (1995).
22. **S. OSTROWSKI**,
"A New Approach to 7-Protected Purine Derivatives",
Synlett, **1995**, 253-254.
23. **S. OSTROWSKI**,
"A Synthesis of Fused Pyrimidine *mono-N*-Oxides",
Heterocycles, **43**, 389-396 (1996).
24. **S. OSTROWSKI**,
"New Synthesis of Fused Pyrimidine Derivatives *via ortho*-(Isocyanomethyl)nitroaromatic Compounds",
J. Chem. Res. (S), **1998**, 14-15.
25. **S. OSTROWSKI**,
"New Synthesis of Fused Pyrimidine Derivatives *via ortho*-(Isocyanomethyl)nitroaromatic Compounds",
J. Chem. Res. (M), **1998**, 180-187.
26. **S. OSTROWSKI**,
"Synthesis of *N*-7-Substituted Purines from Imidazole Precursors",
Molecules, **4**, 287-309 (1999).
27. **S. OSTROWSKI**, A.M. WOLNIEWICZ,
"An Approach to Fused Pyrimidine Derivatives *via* Schiff Bases of Aromatic *ortho*-Nitrocarbaldehydes. An Investigation of Substituent Effects on the Reaction Course",
Chem. Heterocycl. Comp., **36**, 705-713 (2000) [*Khim. Geterotsykl. Soedin.*, **2000**, 806-815].
28. M. MAKOSZA, **S. OSTROWSKI**,
"Reactions of Chlorinated Pyrimidine Derivatives with Carbanions Bearing Nucleophilic Groups at the Carbanionic Center",
Polish J. Chem., **74**, 1355-1361 (2000).
29. **S. OSTROWSKI**, J. SWAT, M. MAKOSZA,

- "A Preparative Method for Synthesis of 4,5,6-Trichloropyrimidine",
Arkivoc, **2000** (vi), 905-908.
30. **S. OSTROWSKI**, Y.K. SHIM,
"Selective Derivatization of TPP on One Phenyl Ring by Nitration and Subsequent Nucleophilic Substitution of Hydrogen",
Bull. Korean Chem. Soc., **22**, 9-10 (2001).
31. M. MAKOSZA, P.W. OSIŃSKI, **S. OSTROWSKI**,
"On Amination and Diazotisation of Azulene and its Derivatives",
Polish J. Chem., **75**, 275-282 (2001).
32. D. BRANOWSKA, **S. OSTROWSKI**, A. RYKOWSKI,
"5-Phenyl-3-[1-(phenylsulphonyl)-hexyl]-1,2,4-triazine",
Molecules, **6**, M273 (2001).
33. D. BRANOWSKA, **S. OSTROWSKI**, A. RYKOWSKI,
"Tandem Vicarious Nucleophilic Substitution of Hydrogen / Intramolecular Diels-Alder Reaction of 1,2,4-Triazines into Functionalized Cycloalkenopyridines",
Chem. Pharm. Bull., **50**, 463-467 (2002).
34. **S. OSTROWSKI**, A. MIKUS, Y.K. SHIM, J.-Ch. LEE, E.-Y. SEO, K.-I. LEE,
M. OLEJNIK,
"On Selective Functionalization of *meso*-Tetraphenylporphyrin Derivatives by Vicarious Nucleophilic Substitution of Hydrogen",
Heterocycles, **57**, 1615-1626 (2002).
35. M. MAKOSZA, M. KEDZIOREK, **S. OSTROWSKI**,
"Synthesis of Polycyano-substituted Azulenes *via* Direct Oxidative Cyanation Reaction",
Synthesis, **2002**, 2517-2520.
36. **S. OSTROWSKI**,
"7*H*-Purine 1-Oxides – Synthesis and Attempt to Assign their ¹H- and ¹³C-NMR Spectra Using the ACD/Labs Program",
Proceedings of "The Sixth International Electronic Conference on Synthetic Organic Chemistry"; S.-K. Lin, J.A. Seijas, Eds.; Basel, 2002, [A-001]; ISBN 3-906980-11-1 (CD-ROM Ed.; 6 pages); *Chem. Abstr.*, **2005**, 143, 405734x.
37. D. BRANOWSKA, **S. OSTROWSKI**, A. RYKOWSKI,
"3-Phenyl-5-[1-(phenylsulphonyl)-pent-4-yn]-1,2,4-triazine and 3-Phenyl-5-[1-(phenylsulphonyl)-hex-5-yn]-1,2,4-triazine",
Molbank, **2003**, M314.
38. **S. OSTROWSKI**, A. MIKUS,
"5-{4-Nitro-3-[1-(toluene-4-sulphonyl)-hexyl]-phenyl}-10,15,20-triphenylporphyrin Zinc(II)",
Molbank, **2003**, M329.
39. **S. OSTROWSKI**, N. URBAŃSKA, A. MIKUS,
"Nucleophilic Substitution of Hydrogen in *meso*-Nitroaryl-substituted Porphyrins – Unprotected at the NH-Centers in the Core Ring",
Tetrahedron Lett., **44**, 4373-4377 (2003).
40. **S. OSTROWSKI**,
"An Attempt to Assign the NMR Spectra in 7-Methyl- and 7-Benzyl-substituted 7*H*-Purine 1-Oxides Using the ACD/Labs Software Package",
Molecules, **8**, 649-654 (2003).
41. **S. OSTROWSKI**, B. ŁOPUSZYŃSKA,
"Preparation of *meso*-Tetraarylporphyrins Nitrated in Two Neighbouring Aromatic Rings",
Synth. Commun., **33**, 4101-4110 (2003).
42. **S. OSTROWSKI**, A. MIKUS, A. BORKOWSKA,
"Introduction of Carbon Substituents into Nitro- and Dinitro- *meso*-Tetraarylporphyrins by Vicarious Nucleophilic Substitution of Hydrogen",
Proceedings of "The Seventh International Electronic Conference on Synthetic Organic Chemistry"; J.A. Seijas, D.-Ch. Ji, S.-K. Lin, Eds.; Basel, 2003, [A-002]; ISBN 3-906980-13-8 (CD-ROM Ed.; 6 pages); *Chem. Abstr.*, **2006**, 144, 292450b.
43. **S. OSTROWSKI**, A. MIKUS,
"Synthesis of C-Functionalized Chloro- / Nitro- Tetraphenylporphyrin Derivatives – Polysubstituted in *meso*-Aryl Rings",

- Proceedings of "The Seventh International Electronic Conference on Synthetic Organic Chemistry", J.A. Seijas, D.-Ch. Ji, S.-K. Lin, Eds.; Basel, 2003, [A-003]; ISBN 3-906980-13-8 (CD-ROM Ed.; 5 pages); *Chem. Abstr.*, **2006**, 144, 292451c.
44. **S. OSTROWSKI**, A. MIKUS,
"Synthesis of New Porphyrin–Fullerene Dyad",
Annals Polish Chem. Soc., **2**, 62-65 (2003).
 45. **S. OSTROWSKI**, A. MIKUS,
"A New Approach to the Synthesis of Porphyrin–Fullerene Dyads",
Mol. Divers., **6**, 315-321 (2003).
 46. **S. OSTROWSKI**, A. MIKUS, B. ŁOPUSZYŃSKA,
"Synthesis of Highly Substituted *meso*-Tetraarylporphyrins",
Tetrahedron, **60**, 11951-11957 (2004).
 47. **S. OSTROWSKI**, D. SZERSZEŃ, M. RYSZCZUK,
"Electrophilic Nitration of *meso*-Tetraarylporphyrin Complexes at the β -Pyrrolic Position",
Synthesis, **2005**, 819-823.
 48. **S. OSTROWSKI**, A.M. RACZKO,
"Double Functionalization of *meso*-Tetraphenylporphyrin Complexes in the Same Pyrrole Unit by Tandem Electrophilic / Nucleophilic Substitution of Hydrogen Reactions",
Helv. Chim. Acta, **88**, 974-978 (2005).
 49. **S. OSTROWSKI**,
"Preparation of 2-Nitro-5,10,15,20-tetraphenylporphyrin Zinc(II) Complex – *post scriptum* to Electrophilic Nitration of Porphyrins at the β -Pyrrolic Position",
Polish J. Chem., **79**, 1169-1172 (2005).
 50. A. MIKUS, V. SASHUK, M. KĘDZIOREK, C. SAMOJŁOWICZ, **S. OSTROWSKI**, K. GRELA,
"Olefin and Enyne Cross-Methathesis – A New Tool for the Synthesis of Alkenyl-substituted Azulenes",
Synlett, **2005**, 1142-1146.
 51. **S. OSTROWSKI**, A. MIKUS,
"Synthesis of Porphyrin–Acetylene and Porphyrin–Diene Building Blocks for New Dyads Preparation",
Heterocycles, **65**, 2339-2346 (2005).
 52. M. KLUSKA, A. MIKUS, **S. OSTROWSKI**,
"The Influence of Stationary Phase Selectivity on HPLC Separation of Porphyrins",
J. Liq. Chromatogr. R. T., **29**, 263-272 (2006).
 53. **S. OSTROWSKI**, P. WYRĘBEK, A. MIKUS,
"Synthesis of Isoxazoline-fused Chlorins by 1,3-Dipolar Cycloaddition Reaction of Porphyrins with Alkyl Nitrile Oxides",
Heterocycles, **68**, 885-888 (2006).
 54. P. WYRĘBEK, A. MIKUS, **S. OSTROWSKI**,
"Synthesis of Some Porphyrinyl Dyads Utilizing TPP–Diene Moiety Architected Around One of the *meso*-Phenyl Rings",
Jordan J. Chem., **1**, 39-45 (2006).
 55. **S. OSTROWSKI**, B. ŁOPUSZYŃSKA, A. MIKUS,
"Structure Determination of Some Nitro-5,10,15,20-tetrakis(3-methoxyphenyl)porphyrins Using Simple NMR Techniques",
Polish J. Chem., **80**, 1209-1215 (2006).
 56. **S. OSTROWSKI**, P. WYRĘBEK, A. MIKUS,
"Synthesis of Chlorins by 1,3-Dipolar Cycloaddition and Diels-Alder Reaction",
J. Porphyrins and Phthalocyanines, **10**, 493 (2006).
 57. **S. OSTROWSKI**, P. WYRĘBEK,
"The First Example of Diels-Alder Cycloaddition of *ortho*-Xylylenes to *meso*-Tetraarylporphyrins Containing Electron-deficient β,β -Double Bonds",
Tetrahedron Lett., **47**, 8437-8440 (2006).
 58. A. MIKUS, E. KISIELIŃSKA, **S. OSTROWSKI**,
"The First Example of Oxidative Nucleophilic Substitution of Hydrogen in *meso*-Aryl Ring of the 5,10,15,20-Tetraphenylporphyrin Derivatives",
Molbank, M521 (2006).

59. **S. OSTROWSKI, S. GRZYB,**
 "Transformation of Nitro-5,10,15,20-Tetraarylporphyrins into their Amino/Nitro-Functionalized Derivatives",
Jordan J. Chem., **2**, 297-299 (2007).
60. **S. OSTROWSKI, S. GRZYB, A. MIKUS,**
 "Direct Amination of *meso*-Tetraarylporphyrin Derivatives – Easy Route to A₃B, A₂BC, and A₂B₂-Type Porphyrins Bearing Two Nitrogen-Containing Substituents at the *meso*-Positioned Phenyl Groups",
Helv. Chim. Acta, **90**, 2000-2008 (2007).
61. **P. WYRĘBEK, S. OSTROWSKI,**
 "Synthesis of Some β -Nitro-*meso*-tetraphenylporphyrin Derivatives",
J. Porphyrins Phthalocyanines, **11**, 822-828 (2007).
62. **S. OSTROWSKI,**
 "Synthesis of Fused Pyrimidines from Nitroarenes *via ortho*-Nitroaromatic Carboximes",
Jordan J. Chem., **3**, 349-355 (2008).

Patents:

63. **S. KWIATKOWSKI, S. OSTROWSKI, K. PUPEK, D. PAWLAK,**
 "New Methods of Preparation of Δ^2 -Isoxazolines",
Polish Pat. 144012 (1989).
 (original title in Polish: "Nowe metody syntezy Δ^2 -izoksazolin")
64. **S. OSTROWSKI, A. MIKUS, M. BIELIŃSKA, T. LIPIŃSKA,**
 "A Method of Preparation of Symmetrical *meso*-Tetraarylporphyrins",
Polish Pat. 199822 (2008) [*Polish Pat. Appl. P-369540 (2004)*].
 (original title in Polish: "Sposób wytwarzania symetrycznych mezo-tetraaryloporfiry")
65. **S. OSTROWSKI, S. GRZYB,**
 "New Porphyrin–Furoxan Hybrid Compounds",
Polish Pat. Appl. P-385746 (2008).
 (original title in Polish: "Nowe związki hybrydowe porfiryna–furoksan")

Books:

66. **S. OSTROWSKI, Ed.,**
 "ECTS Information Package. Chemistry."
 Sprint: Siedlce (Poland), 2003, ISBN 83-7051-257-7 (88 pages).
67. **S. OSTROWSKI, A. KOŁKOWICZ, Eds.,**
 "ECTS Information Package. Computer Science."
 Sprint: Siedlce (Poland), 2003, ISBN 83-7051-259-3 (111 pages).

Conference Proceedings

Lectures:

68. **S. OSTROWSKI,**
 "New Methods of Pyrimidine Ring Construction – Easy Way to Fused Pyrimidines, Purines and their *mono-N*-Oxides",
 Proceedings of "IInd Polish-French Seminar on Organic Chemistry and Polymer Chemistry", Warszawa (Poland); September 24-26, 1995, p. 30 (invited lecture).
69. **S. OSTROWSKI, N. PETUH, A. MIKUS, S. ABU-ORABI,**
 "Vicarious Nucleophilic Substitution of Hydrogen in 5-(4-Nitrophenyl)-10,15,20-Triphenylporphyrin",
 Proceedings of "International Conference on Heterocyclic Chemistry", Jaipur (India), December 15-18, 2001, OL-2 (invited lecture).
70. **S. OSTROWSKI,**
 "On Selective Derivatization of *meso*-Tetraarylporphyrins",
 Proceedings of "The Third Jordanian International Conference of Chemistry", Irbid (Jordan), April 22-26, 2002, OL-73 (invited lecture).

71. **S. OSTROWSKI**,
 "From *meso*-Tetraphenylporphyrin to Derivatives of High Degree of Complexity by Nucleophilic Substitution of Hydrogen",
 Proceedings of "Microsymposium on Organic Synthesis", Otwock (Poland), July 13-17, 2005, L-7 (plenary lecture).
72. **S. OSTROWSKI**,
 "Modifications of *meso*-Tetraphenylporphyrin Derivatives by Diels-Alder Reaction and 1,3-Dipolar Cycloaddition",
 Proceedings of "4th German-Polish Workshop: Modern Aspects in Organic Synthesis, Bioorganic Chemistry and Natural Products Research", Hamburg (Germany), June 6-10, 2006 (plenary lecture).
73. **S. OSTROWSKI, P. WYRĘBEK, A. MIKUS**,
 "Synthesis of Chlorins by 1,3-Dipolar Cycloaddition and Diels-Alder Reaction",
 Proceedings of "Fourth International Conference on Porphyrins and Phthalocyanines", Roma (Italy), July 2-7, 2006, Section O, p. 493 (oral lecture).
74. **S. OSTROWSKI**,
 "Synthesis of Highly Substituted Porphyrins by Aromatic Nucleophilic Substitution of Hydrogen",
 Proceedings of "Petra International Chemistry Conference (PICC) and Transmediterranean Colloquium on Heterocyclic Chemistry (TRAMECH-5)", Tafila (Jordan), June 25-28, 2007, IL28 (invited lecture).
75. **S. OSTROWSKI**,
 "Efficient Approaches to Fused Pyrimidines",
 Proceedings of "The Fifth Jordanian International Conference of Chemistry", Irbid (Jordan), June 17-19, 2008, L7 (plenary lecture).
76. **S. OSTROWSKI**,
 "Derivatization of Readily Available *meso*-Tetraarylporphyrins",
 Proceedings of the "Fourth International Conference on Multi-Component Reactions and Related Chemistry", Ekaterinburg (Russia), May 24-28, 2009, I-12 (invited lecture).

Other Lectures:

77. **S. OSTROWSKI**,
 "Vicarious Nucleophilic Substitution of Hydrogen in Non-nitro Electrophilic Aromatic Compounds",
 MD Anderson Cancer Center, University of Texas, Houston (USA), 1991.
78. **S. OSTROWSKI**,
 "Synthesis of Fused Pyrimidine Systems",
 Agricultural and Pedagogical University, Siedlce (Poland), 1995.
 (*original title in Polish: "Synteza skondensowanych układów pirymidynowych"*)
79. **S. OSTROWSKI**,
 "Porphyrins – Chemistry and Applications",
 Inaugural Lecture at the Opening Ceremony of the Academic Year 2004/2005,
 University of Podlasie, Siedlce (Poland), 2004.
 (*original title in Polish: "Porfiryny – chemia i perspektywy wykorzystania"*)
80. **S. OSTROWSKI**,
 "Synthetic Porphyrins – A Short Review on Synthesis and Possibilities of Application",
 Proceedings of "IVth International Conference of Students' Scientific Societies", Siedlce (Poland), May 19-20, 2005 (plenary lecture).
 (*original title in Polish: "Porfiryny syntetyczne – krótki przegląd przykładowych syntez i możliwości wykorzystania"*. Materiały konferencyjne: "IV Międzynarodowa Konferencja Studenckich Kół Naukowych")
81. **S. OSTROWSKI**,
 "Selective Transformations of Simple Synthetic Porphyrins into Potential PDT Agents",
 deCODE Company, Plainfield (USA), 2009.
82. **S. OSTROWSKI**,
 "Selective Transformations of Synthetic *meso*-Tetraarylporphyrins into Derivatives of High Degree of Complexity",

- Vanderbilt University, Nashville (USA), 2009.
83. **S. OSTROWSKI**,
"Synthesis of Highly Substituted *meso*-Tetraarylporphyrins",
Oakland University, Rochester (USA), 2009.
84. **S. OSTROWSKI**,
"*meso*-Tetraarylporphyrins – Synthesis of, Selective Derivatization, and Possibilities
of Applications",
Utah State University, Logan (USA), 2009.

Oral Communications:

85. **M. MAKOSZA, J. GOLINSKI, T. GLINKA, S. OSTROWSKI, A. RYKOWSKI**,
"Vicarious Nucleophilic Substitution of Hydrogen *versus bis*-Annulation in Bicyclic
Aromatic and Heteroaromatic Systems",
Proceedings of "European Symposium on Organic Chemistry, IV", Aix-en-Provence
France), September 2-6, 1985, p. 162.
86. **S. OSTROWSKI**,
"Synthesis of Pyrimidine Derivatives from the *ortho*-Substituted Nitroarenes",
Proceedings of the "XXXVIth Annual Symposium of the Polish Chemical Society",
Toruń (Poland), September 8-11, 1993, S1: K12.
(*original title in Polish*: "Synteza pochodnych pirymidyny z *orto*-podstawionych
nitroarenów". Materiały konferencyjne: "XXXVI Zjazd Polskiego Towarzystwa
Chemicznego i Stowarzyszenia Inżynierów i Techników Przemysłu Chemicznego")
87. **S. OSTROWSKI**,
"Synthesis of Purine Systems from 4-Nitroimidazole Derivatives",
Proceedings of "Scientific Seminar: Cyclization, Cycloaddition, Cyclocondensation,
and Transformation of the Rings in the Synthesis of Heterocycles", Gliwice (Poland),
February 21-22, 1994.
(*original title in Polish*: "Synteza układów purynowych z pochodnych 4-nitroimida-
zolu". Materiały konferencyjne: "Seminarium Naukowe: Cyklizacja, Cykloaddycja,
Cyklokondensacja i Transformacja Pierścieni w Syntezie Związków Heterocyklicznych")
88. **S. OSTROWSKI**,
"New Approach to Fused Pyrimidine Derivatives. Synthesis of Purines."
Proceedings of "15th International Congress of Heterocyclic Chemistry", Taipei
(Taiwan), August 6-11, 1995, OP-Ia-11.
89. **S. OSTROWSKI**,
"Efficient Approaches to Fused Pyrimidines and their Application to Synthesis of
Purines",
Proceedings of "16th International Congress of Heterocyclic Chemistry", Bozeman
(USA), August 10-15, 1997, OP-V-10.
90. **S. OSTROWSKI**,
"A Selective Synthesis of Purine *mono-N*-Oxides",
Proceedings of "16th International Congress of Heterocyclic Chemistry", Bozeman
(USA), August 10-15, 1997, OP-V-9.
91. **S. OSTROWSKI**,
"Application of New Approaches to Fused Pyrimidines for Synthesis of Purines from
Imidazole Derivatives",
Proceedings of "Vth Polish Symposium on Organic Chemistry", Konstancin-Jeziorna
(Poland), November 11-14, 1998, K3.
(*original title in Polish*: "Zastosowanie nowych metod konstrukcji pierścienia
pirymidyny w syntezie puryn z pochodnych imidazolu". Materiały konferencyjne:
"V Ogólnopolskie Sympozjum Chemii Organicznej")
92. **S. OSTROWSKI**,
"Purine *mono-N*-Oxides – A Selective Synthesis and Carbon-13 NMR Studies",
Proceedings of International Conference "Nucleophilic Substitution", dedicated to
Professor H.C. van der Plas on the occasion of his 70th birthday, Chlewiska (Poland),
June 1-2, 1999, OC 4.

Posters:

93. **S. OSTROWSKI**, M. MAKOSZA,
"Transformations of Carbanionic σ -Adducts of 6-Azaquinoxaline Derivatives",
Proceedings of "IXth Symposium on Chemistry of Heterocyclic Compounds",
Bratislava (Czechoslovakia), August 23-28, 1987, p. 122.
94. T.G. BURKE, **S. OSTROWSKI**, S. RAHBAR, W. PRIEBE,
"Liposome-Encapsulated Haemoglobin as a Blood Substitute: Synthesis and Evaluation
of Allosteric Effectors for the Optimization of Oxygen Affinity",
Proceedings of "Pharmaceutical Symposium, BIOTEC",
Columbus (USA), September 18-22, 1992, S-74.
95. **S. OSTROWSKI**,
"Selective Synthesis of Fused Pyrimidine *mono-N*-Oxide Derivatives",
Proceedings of "IIIrd Polish Symposium on Organic Chemistry", Warszawa (Poland),
November 12-13, 1994, P30.
(*in Polish*; Materiały konferencyjne: "III Ogólnopolskie Sympozjum Chemii
Organicznej")
96. **S. OSTROWSKI**,
"New Routes to Purine Derivatives",
Proceedings of "Hong Kong International Symposium on Heterocyclic Chemistry" (Last
Minute Abstracts), Hong Kong, August 13-16, 1995, P-93.
97. **S. OSTROWSKI**, M. MAKOSZA,
"Reactions of Pyrimidine Derivatives with Carbanions Bearing Leaving Groups in
 α -Position",
Proceedings of "IVth Polish Symposium on Organic Chemistry", Łódź (Poland),
November 20-22, 1997, P-92.
(*original title in Polish*: "Reakcje pochodnych pirymidyny z wybranymi karboanionami
zawierającymi w pozycji α - grupy opuszczające". Materiały konferencyjne: "IV-te
Ogólnopolskie Sympozjum Chemii Organicznej")
98. **S. OSTROWSKI**, A.M. WOLNIEWICZ,
"Synthesis of Fused Pyrimidine Derivatives *via* Schiff Bases of *ortho*-Nitroaromatic
Aldehydes. Influence of Substituents in Imine Aromatic Ring on the Reaction Course."
Proceedings of "5th Polish Symposium on Organic Chemistry", Konstancin-Jeziorna
(Poland), November 11-14, 1998, P63.
(*original title in Polish*: "Synteza skondensowanych pochodnych pirymidyny z wykorzy-
staniem zasad Schiffa otrzymywanych z aldehydów *orto*-nitroaromatycznych. Wpływ
podstawników w pierścieniu aromatycznym iminy na przebieg reakcji. "Materiały
konferencyjne: "V Ogólnopolskie Sympozjum Chemii Organicznej")
99. A.S. DEMIR, A.J. CHAVAN, **S. OSTROWSKI**, W. PRIEBE, T.G. BURKE,
"Synthesis and Evaluation of Methylpropionic Acid-Derived Allosteric Modifiers of
Hemoglobin",
Proceedings of "American Association of Pharmaceutical Scientists Meeting", San
Francisco (USA), November 14-19, 1998.
100. **S. OSTROWSKI**, K.-I. LEE, M.-H. KIM, J.-Ch. LEE, Y.K. SHIM,
"Selective Derivatization of TPP by Nitration and Subsequent Nucleophilic Substitution
of Hydrogen",
Proceedings of "The 85th Annual Meeting of the Korean Chemical Society", Seoul
(Korea), April 21-22, 2000, F508, p. 330.
101. B. ŁOPUSZYŃSKA, **S. OSTROWSKI**, S. ABU-ORABI,
"Selective Nitration of *meso*-Tetraarylporphyrins in Two Neighbouring Aromatic Rings",
Proceedings of "International Conference on Heterocyclic Chemistry", Jaipur (India),
December 15-18, 2001, PS-98.
102. **S. OSTROWSKI**, A. MIKUS,
"Reactions of Nitro Derivatives of *meso*-Tetraarylporphyrin with Carbanions at Low
Temperature",
Proceedings of "VIth Polish Symposium on Organic Chemistry", Łódź (Poland), April
18-20, 2002, P-81.
(*original title in Polish*: Reakcje nitropochodnych *mezo*-tetraarylorporfiryn z karbo-
anionami w niskiej temperaturze". Materiały konferencyjne: "VI Ogólnopolskie Sympo-

- zjum Chemii Organicznej”)
103. **S. OSTROWSKI, B. ŁOPUSZYŃSKA,**
”Synthesis of Nitro Derivatives of *meso*-Tetraphenylporphyrin in the Reaction of Direct Nitration with Nitric Acid”,
Proceedings of ”VIth Polish Symposium on Organic Chemistry”, Łódź (Poland), April 18-20, 2002, P-82.
(*original title in Polish: ”Synteza nitrowych pochodnych mezo-tetrafenyloporfiryny w reakcji bezpośredniego nitrowania kwasem azotowym”. Materiały konferencyjne: ”VI Ogólnopolskie Sympozjum Chemii Organicznej”*)
104. **S. OSTROWSKI,**
”⁷H-Purine 1-Oxides – Synthesis of and Assignment Attempts of their ¹H and ¹³C NMR Spectra Using ACD/Labs Program”,
Proceedings of ”The Sixth International Electronic Conference on Synthetic Organic Chemistry”, September 1-30, 2002, [A-001] (www.mdpi.net/ec/papers/ecsoc-6/215).
105. **S. OSTROWSKI, A. MIKUS,**
”Synthesis of Porphyrin–Fullerene Dyad from Tetraphenylporphyrin Utilizing Multi-Component Transformations”,
Proceedings of ”2nd International Conference on Multi-Component Reactions, Combinatorial and Related Chemistry”, Genova (Italy), April 14-16, 2003, P21, p. 73.
106. **A. MIKUS, S. OSTROWSKI,**
”New Method of Synthesis of Porphyrin–Fullerene Dyads”,
Proceedings of the ”XLVIth Annual Symposium of the Polish Chemical Society”, Lublin (Poland), September 15-18, 2003, S1: P-51.
(*original title in Polish: ”Nowa metoda syntezy diad porfirynowo–fullerenowych”. Materiały konferencyjne: ”XLVI Zjazd Polskiego Towarzystwa Chemicznego i Stowarzyszenia Inżynierów i Techników Przemysłu Chemicznego”*)
107. **S. OSTROWSKI, A. MIKUS, A. BORKOWSKA,**
”Synthesis of *meso*-Tetraphenylporphyrin Derivatives – Polysubstituted in Aryl Rings”,
Proceedings of the ”XLVIth Annual Symposium of the Polish Chemical Society”, Lublin (Poland), September 15-18, 2003, S1: P-52.
(*original title in Polish: ”Synteza pochodnych mezo-tetrafenyloporfiryny – wielopodstawionych w pierścieniach arylowych”. Materiały konferencyjne: ”XLVI Zjazd Polskiego Towarzystwa Chemicznego i Stowarzyszenia Inżynierów i Techników Przemysłu Chemicznego”*)
108. **S. OSTROWSKI, A. MIKUS, M. BIELIŃSKA, T. LIPIŃSKA,**
”Synthesis of *meso*-Tetraphenylporphyrin – Optimization of Reaction Conditions in the Process with Microwave Irradiation Assistance”,
Proceedings of the ”XLVIth Annual Symposium of the Polish Chemical Society”, Lublin (Poland), September 15-18, 2003, S1: P-53.
(*original title in Polish: ”Synteza mezo-tetrafenyloporfiryny – optymalizacja warunków reakcji wspomaganej promieniowaniem mikrofalowym”. Materiały konferencyjne: ”XLVI Zjazd Polskiego Towarzystwa Chemicznego i Stowarzyszenia Inżynierów i Techników Przemysłu Chemicznego”*)
109. **S. OSTROWSKI, A. MIKUS, A. BORKOWSKA,**
”Introduction of Carbon Substituents into Nitro- and Dinitro- *meso*-Tetraarylporphyrins by Vicarious Nucleophilic Substitution of Hydrogen”,
Proceedings of ”The Seventh International Electronic Conference on Synthetic Organic Chemistry”, November 1-30, 2003, [A-002] (www.mdpi.net/ecsoc-7).
110. **S. OSTROWSKI, A. MIKUS,**
”Synthesis of C-Functionalized Chloro- / Nitro- Tetraphenylporphyrin Derivatives – Polysubstituted in *meso*-Aryl Rings”,
Proceedings of ”The Seventh International Electronic Conference on Synthetic Organic Chemistry”, November 1-30, 2003, [A-003] (www.mdpi.net/ecsoc-7).
111. **S. OSTROWSKI, A.M. RACZKO,**
”Substitution of Hydrogen in β -Positions of *meso*-Tetraphenylporphyrin Ring”,
Proceedings of ”VIIth Polish Symposium on Organic Chemistry”, Warszawa (Poland), November 18-20, 2004, P41.
(*original title in Polish: ”Reakcje podstawienia wodoru w pozycjach β - pierścienia*

- meso*-tetrafenyloporfiryny”, Materiały konferencyjne: ”VII Ogólnopolskie Sympozjum Chemii Organicznej”)
112. D. SZERSZEŃ, M. RYSZCZUK, **S. OSTROWSKI**,
”Selective Nitration of *meso*-Tetraphenylporphyrin Complexes in Electrophilic Conditions”,
Proceedings of ”VIIth Polish Symposium on Organic Chemistry”, Warszawa (Poland), November 18-20, 2004, P51.
(*original title in Polish*: ”Selektywne nitrowanie kompleksów *meso*-tetrafenyloporfiryny w warunkach elektrofilowych”. Materiały konferencyjne: ”VII Ogólnopolskie Sympozjum Chemii Organicznej”)
113. **S. OSTROWSKI**, A. RACZKO, D. SZERSZEŃ, A. MIKUS,
”Double Functionalization of *meso*-Tetraphenylporphyrin Complexes in the Same Pyrrole Unit by Tandem Electrophilic / Nucleophilic Substitution of Hydrogen Reactions”,
Proceedings of ”9nd Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry”, Sharm El-Sheikh (Egypt), December 11-14, 2004, IPC-1, p. 174.
114. V. SASHUK, C. SAMOJŁOWICZ, M. KĘDZIOREK, **S. OSTROWSKI**, M. MAKOSZA, K. GRELA,
”Olefin and Enyne Cross-Methatesis – New Tool for Synthesis of Alkenyl-substituted Azulenes”,
Proceedings of the ”Spring Scientific Symposium of Student’s Section of the Polish Chemical Society”, Góry Sowie (Poland), April 12-16, 2005, p. 70.
(*in Polish*; Materiały konferencyjne: ”Wiosenny Zjazd Naukowy Sekcji Studenckiej Polskiego Towarzystwa Chemicznego”)
115. **S. OSTROWSKI**, B. ŁOPUSZYŃSKA,
”Structure Determination of Some 5-(3-X-4-Nitrophenyl)-10,15,20-triarylporphyrins Using Simple NMR Techniques”,
Proceedings of ”Nuclear Magnetic Resonance in Chemistry, Biology and Medicine”, Warszawa (Poland), September 8-10, 2005, P-31.
116. **S. OSTROWSKI**, A. MIKUS, P. WYRĘBEK,
”Synthesis of Porphyrin–Acetylene and Porphyrin–Diene Building Blocks from *meso*-Tetraphenylporphyrin”,
Proceedings of ”The 16th International Symposium on Olefin Metathesis and Related Chemistry”, Poznań (Poland), August 7-12, 2005, P-60.
117. **S. OSTROWSKI**, S. GRZYB, A. MIKUS,
”Direct Amination of *meso*-Tetraphenylporphyrin Derivatives”,
Proceedings of the ”XLIXth Annual Symposium of the Polish Chemical Society”, Gdańsk (Poland), September 18-22, 2006, S2-P40, p. 55.
(*original title in Polish*: ”Bezpośrednie aminowanie pochodnych *meso*-tetrafenyloporfiryny”. Materiały konferencyjne: ”XLIX Zjazd Polskiego Towarzystwa Chemicznego i Stowarzyszenia Inżynierów i Techników Przemysłu Chemicznego”)
118. S. GRZYB, **S. OSTROWSKI**,
”Synthesis of Tetraarylporphyrin–Furoxan Hybride Systems”,
Proceedings of Petra International Chemistry Conference (PICC) and Transmediterranean Colloquium of Heterocyclic Chemistry (TRAMECH–5)”, Tafila (Jordan), June 25-28, 2007, PO10.
119. A. MIKUS, **S. OSTROWSKI**,
”Synthesis of Highly Functionalized Porphyrins – Substituted in all β -Positions of *EASTERN HALF*”,
Proceedings of ”Petra International Chemistry Conference (PICC) and Transmediterranean Colloquium on Heterocyclic Chemistry (TRAMECH–5)”, Tafila (Jordan), June 25-28, 2007, PO28.
120. K. PIECHOCKA, B. ŁOPUSZYŃSKA, **S. OSTROWSKI**,
”Substituent Chemical Shift Constants in *meso*-Tetraphenylporphyrin Derivatives”,
Proceedings of ”Vth Warsaw Seminar of Ph.D. Chemistry Students: *ChemSession’08*”, Warszawa (Poland), May 16, 2008, P-80, p. 98.
(*original title in Polish*: ”Stałe przesunięcia chemicznego podstawników w pochodnych *meso*-tetrafenyloporfiryny”. Materiały konferencyjne: ”V Warszawskie

- Seminarium Doktorantów Chemików: *ChemSession '08'*)
121. B. SŁOMIŃSKA, P. ŚWIDER, R. VOLOSHCHUK, P. WYRĘBEK, D.T. GRYKO, **S. OSTROWSKI**, W. DANIKIEWICZ,
"Comparison of MS Ionization Techniques in Corrols and Chlorins Analysis – EI, ESI, and FD Methods",
Proceedings of "Vth Warsaw Seminar of Ph.D. Chemistry Students: *ChemSession '08'*",
Warszawa (Poland), May 16, 2008, P-95, p. 113.
(*original title in Polish*: "Porównanie technik jonizacji spektrometrii mas w analizie koroli i chloryn – metody EI, ESI i FD". Materiały konferencyjne: "V Warszawskie Seminarium Doktorantów Chemików: *ChemSession '08'*")
122. J. GUZIŃSKI, **S. OSTROWSKI**,
"Technology of Polypeptides Preparation in the Hydrolysis Process of Collagen and the Possibilities of Utilization of the Product",
Proceedings of "VIth Congress of Chemical Technology", Warszawa (Poland), June 21-25, 2009, P, p. 378.
(*original title in Polish*: "Technologia otrzymywania polipeptydów w procesie hydrolizy kolagenu i możliwości wykorzystania produktu". Materiały konferencyjne: "VI Kongres Technologii Chemicznej")

Popularizations

123. **S. OSTROWSKI**,
"Infrared Spectroscopy. Part I." (*original title*: "Spektroskopia w podczerwieni, cz. I."),
Chemia w Szkole, **1985** (3), 115-122.
124. **S. OSTROWSKI**,
"Infrared Spectroscopy. Part II." (*original title*: "Spektroskopia w podczerwieni, cz. II."),
Chemia w Szkole, **1985** (4), 171-178.
125. **S. OSTROWSKI**,
"UV-VIS Spectroscopy. Part I." (*original title*: "Spektroskopia UV-VIS, cz. I."),
Chemia w Szkole, **1987** (2), 59-69.
126. **S. OSTROWSKI**,
"UV-VIS Spectroscopy. Part II." (*original title*: "Spektroskopia UV-VIS, cz. II."),
Chemia w Szkole, **1987** (3), 123-132.
127. **S. OSTROWSKI**,
"Mass Spectrometry. Part I." (*original title*: "Spektrometria masowa, cz. I."),
Chemia w Szkole, **1988** (1), 5-12.
128. **S. OSTROWSKI**,
"Mass Spectrometry. Part II." (*original title*: "Spektrometria masowa, cz. II."),
Chemia w Szkole, **1988** (2), 67-73.
129. **S. OSTROWSKI**,
"Spectroscopic Methods of Identification of Organic Compounds. Part I."
(*original title*: "Spektroskopowe metody identyfikacji związków organicznych, cz. I."),
Chemia w Szkole, **1990** (5), 227-236.
130. **S. OSTROWSKI**,
"Spectroscopic Methods of Identification of Organic Compounds. Part II."
(*original title*: "Spektroskopowe metody identyfikacji związków organicznych, cz. II."),
Chemia w Szkole, **1991** (1), 5-13.
131. **S. OSTROWSKI**,
"Spectroscopic Methods of Identification of Organic Compounds. Part III."
(*original title*: "Spektroskopowe metody identyfikacji związków organicznych, cz. III."),
Chemia w Szkole, **1991** (2), 67-77.
132. **S. OSTROWSKI**,
"Nobel Prize in Chemistry 1990" (*original title*: "Nagroda Nobla w dziedzinie chemii 1990"),
Chemia w Szkole, **1991** (3), 131-135.
133. **S. OSTROWSKI**, G. GOVINDARAJOO,
"Chemistry of Atmosphere and 'Ozone Whole' – Nobel Prize 1995" (*original title*:

- "Chemia atmosfery a 'dziura ozonowa' – Nagroda Nobla 1995"),
Chemia w Szkole, **1996** (5) 270-276.
134. **S. OSTROWSKI**,
"Anecdotal stories" (*original title*: "Anegdoty"),
Orbital, **1997** (2), 120.
135. **S. OSTROWSKI**, A. SAROSIEK,
"On Structure of Molecules and Fragrances" (*original title*: "O strukturze cząsteczek i zapachu"),
Chemia w Szkole, **2000** (2/3), 74-79.
136. **S. OSTROWSKI**, A. SAROSIEK,
"Food Chemistry" (*original title*: "Chemia smaku"),
Chemia w Szkole, **2000** (4), 163-171.
137. **S. OSTROWSKI**,
"On Publication in Some New Journals" (*original title*: "O publikowaniu w niektórych nowych czasopismach"),
Orbital, **2000** (3), 152-154.
- 138-
- 141. Co-author of *Introduction* to 4 guides for students at the University of Podlasie, concerning ECTS education system: "*ECTS Information Package*": (a) "Mathematics", ISBN 83-7051-258-5, (b) "History", ISBN 83-7051-257-7, (c) "Pedagogy", ISBN 83-7051-256-9, (d) "Social Science", ISBN 83-7051-255-0; Sprint: Siedlce, 2003.
142. **S. OSTROWSKI**,
"Anatomy of Fragrance" (*original title*: "Anatomia zapachu"),
Wiedza i Życie, **2006** (5), 16-21.