LIST OF SCIENTIFIC PUBLICATIONS OF PHARMACEUTICAL RESEARCH INSTITUTE STAFF IN THE YEAR 2002

I. ORGINAL PAPERS

1. A.Bronowska, Z.Chilmonczyk, A.Les, O.Edvardsen, R.Ostensen, I.Sylte: „Molecular dynamics of 5-HT_{1A} and 5-HT_{2A} serotonin receptors with methylated buspirone analogues"; Journal of Computer-Aided Molecular Design 15, 1005-1023 (2001).

2. Z.Chilmonczyk, M.Cybulski, J.Iskra-Jopa, E.Chojnacka-Wojcik, E.Tatarczynska, A.Klodzinska, A.Les, A.Bronowska, I.Sylte: „Interaction of 1,2,4-substituted piperazines, new serotonin receptor ligands, with 5-HT_{1A} and 5-HT_{2A} receptors"; Il Farmaco 57, 285-301 (2002).

3. M.Chodynski; J.Wietrzyk; E.Marcinkowska; A.Opolski; W.Szelejewski; A.Kutner: „Synthesis and antiproliferative activity of side-chain unsaturated and homologated analogs of 1,25-dihydroxyvitamin D2 (24E)-(1S)-24-Dehydro-24a-homo-1,25-dihydroxyergocalciferol and congeners"; Steroids 67(9), 789-798 (2002).

4. L.Kaczmarek, J.Osiadacz, W.Luniewski, B.Zagrodzki, J.Godlewska, W.Peczynska-Czoch, C.Radzikowski: „Synthesis of 6-substituted 6H-indolo[2,3-b]quinolines as novel cytotoxic agents and topoisomerase II inhibitors"; Acta Polon. Pharm., 59, 199-207 (2002).

5. A.Kociubinska, J.Gubernator, J.Godlewska, M.Stasiuk, A.Kozubek, W.Peczynska-Czoch, A.Opolski, L.Kaczmarek: „A derivative of 5H- indolo[2,3-b]quinoline – a novel liposomally-formulated anticancer agent"; Cell. Mol. Biolog. Lett., 7, 289-289 (2002).

6. J.Frelek, W.J.Szczepek, S.Neubrech, B.Schultheis, J.Brechtel, H.G.Kuball: „Chiroptical properties of cisoid enones from CD and ACD spectroscopy"; Chem.Eur.J., 8 , 1899-1907, (2002).

7. J.Kossakowski, W.Szczepek, M.Pakosinska-Parys: „Synthesis of new N-substituted cyclic imides with expected anxiolytic activity. XXI. Derivatives of 1-acetyldibenzo-[e,h]-bicyclo[2,2,2]-octane-2,3-dicarboximide"; Acta Polon. Pharm., 59, 418-423 (2002).

8. A.Nasal, A.Wojdelko, T.Baczek, R.Kaliszan, M.Cybulski, Z.Chilmonczyk: „Relationship between chromatographic behavior and affinity to 5-HT_{1A} serotonin receptors of new buspirone analogues"; J. Sep. Sci., 25, 273-279 (2002).

9. G.Grynkiewicz: "Synthetic Genistein as a prospective active ingredient for nutrition and medicine"; Polish Journal of Food and Nutrition Sciences, 11/52 (SI 2), 99-105 (2002).

10. Z.Chilmonczyk, K.J.Krajewski, J.Cybulski: "Rigid analogues of Buspirone and Gepirone, 5-HT_{1A} receptor partial agonists"; Il Farmaco, 57, 917-923 (2002).

11. Z.Chilmonczyk, M.Mazgajska, J.Iskra-Jopa, E.Chojnacka-Wojcik, E.Tatarczynska, A.Klodzinska, J.Z.Nowak: "Pharmacological properties and SAR of new 1,4-disubstituted piperazine derivatives with hypnotic-sedative activity"; Journal of Pharmacy and Pharmacology JPP 54 689-698 (2002).

12. R.Brzozowski, W.Skupinski, M.H.Zamroz, M.Skarzyski and H.Otwinowska: „Isolation and identification of diisopropylnaphtalene isomers in the alkylation products of naphtalene"; Journal of Chromatography A, 946 (2002).

13. P.Cmoch: „Structure and tautomerism of chloropyridazine derivatives"; Magnetic Resonance in Chemistry, 40, 507 (2002).

14. M.Biesaga, E.Stolarczyk, K.Pyrzynska, and M.Trojanowicz; „Retention of Anions on Silica-based Metalloporphyrin Stationary Phasas"; Analytical Sciences, 18, 151-154 (2002).

II. MONOGRAPHS AND REVIEWS

1. G.Grynkiewicz, O.Achmatowicz, I.Fokt, W.Priebe, J.Ramza, B.Szechner, W. Szeja: "Syntezy Naturalnych i Modyfikowanych Antybiotykow Antracyklinowych ze Wspolnego Prekursora: 3,4-di-O-Acetylo-L-ramnalu"; Wiadomosci Chemiczne, 56, 2002, 535-560.

2. M.Gadzikowska, G.Grynkiewicz: "Tropane alkaloids in pharmaceutical and phytochemical analysis"; Acta Polon. Pharm. - Drug Res., 59 (2), 149-160 (2002).

3. G.Grynkiewicz, M.Gadzikowska: „Metabolity wtorne zlocienia maruny (Tanacetum parthenium) i ich aktywnosc biologiczna"; Postepy Fitoterapii, **3** (3-4), 64-69 (2002).

4. G.Grynkiewicz: „Antybiotyki antracyklinowe"; Przemysl Chemiczny, 81 (5), 294-299 (2002).

5. P.Slifirski: "Liposomes as Drug Delivery Systems."; Pharmaceutical Manufacturing and Packing Sourcer, 66-69 (2002).

6. P.Slifirski: „Technologia nowoczesnych postaci lekow."; Przemysl Chemiczny, (5) 314-316 (2002).

7. K.Kobylinska: „Badania rownowaznosci biologicznej odtworczych preparatow farmaceutycznych"; Przemysl Chemiczny, 81, 311-313, (2002).

8. W.Maruszak: „Elektroforeza kapilarna – wysokosprawna technika w analizie farmaceutycznej"; Przemysl Chemiczny, 5 317 (2002).

9. T. Ryznar, M.Krupa, A.Kutner: „Technologia syntezy metabolitow i analogow witamin D"; Przemysl Chemiczny, 81(5) 300 (2002).

10. M.K.Lypacewicz: „Historia powstania krajowego cytostatyku leku odtworczego Mitoxantrone"; Przemysl Chemiczny, 81(5) 324 (2002).

III. ACCCEPTED PAPERS

1. R.Humeniuk, L.Kaczmarek, W.Peczynska-Czoch, E.Marcinkowska: „Cytotoxicity and cell cycle effects of some novel indolo[2,3-b]quinoline derivatives."; Oncol. Res.

2. R.Balicki, M.Cybulski, G.Maciejewski: „Efficient deoxygenation of heteroaromatic N-Oxides using zinc dust/ammonium formate reagent system"; Synthetic. Commun.

3. O.Achmatowicz, B.Szechner: "A new chiral pool approach to anthracyclinones. The stereoselective synthesis of Idarubicinone"; J. Org. Chem.

4. J.Iskra-Jopa, K.Golembiowska, A Dziubina, M.Cybulski, Z.Chilmonczyk: "New 5-HT 1A receptor ligands exhibiting different response in different intrinsic activity test"; European europsychopharmacology.

5. K.Kobylinska, M.Barlinska, M.Kobylinska: "Analysis of nabumetone in human plasma by HPLC. Application to single dose pharmacokinetic studies."; Journal of Pharmaceutical and Biomedical Analysis.

6. W.Maruszak, M.G.Schmid, G.Gubitz, E.Ekiert, M.Trojanowicz: „Separation of Enantiomers by Capillary Electrophoresis using Cyclodextrins"; Methods in Biotechnology: Chiral Separations: Methods and Protocols, Humana Press.

7. J.Krzywda, Z.Chilmonczyk, J.Cybulski, A.E.Koziol: "Molecular structure of some 3-amino-2-oxazolidinone derivatives."; Acta Pol. Pharm.

8. M. Gawrys: „Novel, Sensitive Voltammetric Methods for Titanium Determination Using Chromotropic Acid and Azo-Compounds as Complexing Agents"; Elektroanalysis.