

- Sheridan, B.A.** 1977. *The Effect of the Epiphyte Enteromorpha intestinales (L.) Link. on the Growth of Chondrus crispus Stackh. (Strain T-4) in Culture.* M.Sc. Thesis, University of New Brunswick, Fredericton.
- Shibata, M., Isomura, A., Inoue, T., and Nagai, M.** 1976. Some pharmacological studies on the crude drugs possessing anti-inflammatory properties on the root of *Bupleurum* and the leaves of fig. *Shoyakugaku Zasshi* 30: 62-66. (in Japanese)
- Shibata, M., Yamatake, Y., Amagaya, Y., and Fukushima, M.** 1975. Pharmacological studies on the Chinese crude drug "Shoma." I. Acute toxicity and anti-inflammatory actions of *Cimicifuga rhizoma*, *Cimicifuga dahurica* Maxim. *Yakugaku Zasshi* 95: 539-546. (in Japanese)
- Shibata, M., Yamatake, Y., Sakamoto, M., Kanamori, M., Takagi, K., and Okabe, S.** 1975. Pharmacological studies on bamboo grass. I. Acute toxicities, anti-inflammatory and antiulcerogenic activities of water-soluble fraction (Folin) extracted from *Sasa albomarginata*. *Nippon Yakurigaku Zasshi* 71: 481-490. (in Japanese)
- Shibata, M., Yoshida, R., Motohashi, S., and Fukushima, M.** 1973. Pharmacological studies on *Bupleurum falcatum*. IV. Some pharmacological effects of crude saikosides, saikogenin A, and syrupy residue. *Yakugaku Zasshi* 93: 1660-1667. (in Japanese)
- Shibata, Y.** 1977. Anti-inflammatory, analgesic and other related actions of 4'-chloro-5-methoxy-3-biphenylacetic acid (DKA-9). *Arzneim. Forsch.* 27: 2299-2308.
- Shim, B.S.** 1976. Increase in serum haptoglobin stimulated by prostaglandins. *Nature (London)* 259: 326-327.
- Shim, B.S., Hong, K.J., and Kim, I.K.** 1977. Mechanism of hyperhaptoglobinemia by endotoxin. *Korean J. Biochem.* 9: 59. (Abstr.)
- Shimahara, H., and Sugiyama, N.** 1974. A sulfated galactan from the red seaweed *Hypnea charoides*. *Agric. Biol. Chem.* 38: 2569-2570.
- Shimizu, M., Nakamura, H., Motoyoshi, S., and Yokoyama, Y.** 1975. Pharmacological studies on 1-methyl-5-p-toluoylpyrrole-2-acetic acid (tolmetin), a new anti-inflammatory agent, in experimental animals. I. Anti-inflammatory, analgesic and antipyretic activity. *Oyo Yakuri* 10: 293-310. (in Japanese)
- Shimizu, T., Hamakawa, H., Taniuchi, M., Kobari, S., and Katsuragi, S.** 1975. Anti-inflammatory effects of N-cyclohexyl-N-2-methoxy-5-chlorophenyl benzimidine hydrochloride (HG-70) and related compounds. I. *Jpn. J. Pharmacol.* 25 (Suppl.): 108P. (Abstr.)
- Shin, K.H., Nakagawa, H., and Tsurufuji, S.** 1974. Rebound of rat carrageenan granuloma following cessation of anti-inflammatory steroid therapy. *Biochem. Pharmacol.* 23: 381-387.
- Shin, K.H., Nakagawa, H., and Tsurufuji, S.** 1975. Analysis of the time sequence of glucocorticoid action on granulomatous inflammation. *Chem. Pharm. Bull.* 23: 2070-2074.
- Shin, K.H., Nakagawa, H., and Tsurufuji, S.** 1975. Inhibition by hydroxyurea of the rebound of granulomatous inflammation following withdrawal of glucocorticoid therapy. *Jpn. J. Pharmacol.* 25: 76-79.
- Shin, K.H., Nakagawa, H., and Tsurufuji, S.** 1975. Rebound of vascular permeability response and its inhibition by hydroxyurea in granulomatous inflammation following withdrawal of glucocorticoid therapy. *Chem. Pharm. Bull.* 23: 1137-1141.
- Shin, K.H., Nakagawa, H., and Tsurufuji, S.** 1976. Analysis of the correlation between collagen and desoxyribonucleic acid syntheses under the influence of hydroxyurea in the inflammatory connective tissue. *Chem. Pharm. Bull.* 24: 2723-2727.
- Shinbo, M., Higo, M., Kudo, T., Suzaki, K., and Yoshino, K.** 1977. Studies on cholestanyl phosphate. I. Studies on the synthesis and anti-inflammatories activity of 3-beta and 3-alpha cholestanyl phosphate. *Yakugaku Zasshi* 97: 528-532. (in Japanese)

- Shinoda, H., Yamazaki, M., and Mizuno, D.** 1977. Passive immunotherapy of established tumors with syngeneic antitumor serum in combination with immunopotentiators. *Cann* 68: 567-572.
- Shubin, J.A., and Thomas, D.W.** 1974. Acid hydrolase activity in the resorbing carrageenan granuloma. *Proc. Soc. Exp. Biol. Med.* 147: 300-304.
- Sieburth, J.M., Thomas, C.D., and Tootle, J.L.** 1972. Microbial fouling of marine plants. *Abstr. Annu. Meet. Am. Soc. Microbiol.* 72: 76.
- Simionescu, C., Rusan, V., and Popa, V.** 1974. *The Chemistry of Seaweeds*. Editura Academiei Republicii Socialiste Romania, Bucuresti. (in Romanian)
- Simons, R.H., and Hewitt, F.E.** 1976. Marine algae from Southern Africa. II. Morphology and taxonomy of five foliaceous Florideophyceae (Rhodophyta). *S. Afr. Div. Sea Fish. Invest. Rep.* 110: 1-46.
- Simpson, F.J.,** 1973. Seaweed and brewing. *Master Brew. Assoc. Am. Tech. Q.* 10: 199-202.
- Simpson, F.J., Neish, A.C., Shacklock, P.F., and Robson, D.R.** 1978. The cultivation of *Chondrus crispus*. Effect of pH on growth and production of carrageenan. *Bot. Mar.* 21: 229-235.
- Simpson, F.J., Shacklock, P., Robson, D., and Neish, A.C.** 1978. Factors affecting cultivation of *Chondrus crispus* (Florideophyceae). *Proc. Int. Seaweed Symp.* 9: 509-513.
- Sljivic, V.S., and Watson, S.R.** 1977. The adjuvant effect of *Corynebacterium parvum*: T-cell dependence of macrophage activation. *J. Exp. Med.* 145: 45-57.
- Smith, M.J.H., Colledge, A.J., Elliott, P.N.C., Bolam, J.P., and Ford-Hutchinson, A.W.** 1974. A human plasma fraction with anti-inflammatory but without either analgesic or antipyretic properties. *J. Pharm. Pharmacol.* 26: 836-837.
- Smith, M.J.H., Ford-Hutchinson, A.W., and Elliott, P.N.C.** 1975. Prostaglandins and the anti-inflammatory activities of aspirin and sodium salicylate. *J. Pharm. Pharmacol.* 27: 473-478.
- Smith, M.J.H., Ford-Hutchinson, A.W., Elliott, P.N.C., and Bolam, J.P.** 1974. Prostaglandins and the anti-inflammatory activity of a human plasma fraction in carrageenan-induced paw edema in the rat. *J. Pharm. Pharmacol.* 26: 692-698.
- Smith, M.J.H., Ford-Hutchinson, A.W., and Walker, J.R.** 1977. Anti-inflammatory activity of bacterial endotoxin. *J. Pharm. Pharmacol.* 29: 702-704.
- Smith, R.E.** 1974. Stabilized protein feed. *French Patent* 2,226,120.
- Smith, W.L.** 1975. Pharmacology and chemistry of natural gums used as binders in foods for mariculture. *Proc. Natl. Shellfish, Assoc.* 65: 5. (Abstr.)
- Smyth, R.D., Bodi, T., Herczeg, T.L., and Siple, H.** 1974. Evaluation of gastric antiprotease-antipepsin activity of carrageenan in humans. *Am. J. Gastroenterol.* 62: 124-129.
- Snoeren, T.H.M.** 1976. Kappa-carrageenan. A study on its physicochemical properties, sol-gel transition and interaction with milk proteins. *Nizo-Versl.* 174: 1-102.
- Snoeren, T.H.M., Both, P., and Schmidt, D.G.** 1976. An electron microscopic study of carrageenan and its interaction with kappa-casein. *Neth. Milk Dairy J.* 30: 132-141.
- Snoeren, T.H.M., Koops, J., and Westerbeek, D.** 1976. Effect of the molecular weight of kappa-carrageenan on the retardation of fat separation in evaporated milk. *Neth. Milk Dairy J.* 30: 29-40.
- Snoeren, T.H.M., and Payens, T.A.J.** 1976. On the sol-gel transition in solutions of kappa-carrageenan. *Biochim. Biophys. Acta* 437: 264-272.
- Snoeren, T.H.M., Payens, T.A.J., Jeunink, J., and Both, P.** 1975. Electrostatic interaction between kappa-carrageenan and kappa-casein. *Milchwissenschaft* 30: 393-396.
- Snoeren, T.H.M., Van der Spek, C.A., and Payens, T.A.J.** 1977. Preparation of kappa and minor alpha-S casein by electrostatic affinity chromatography. *Biochim. Biophys. Acta* 490: 255-259.

- Sobanski, H., Krupinska, J., Cebo, B., Mazur, J., and Kiec-Dembinska, A.** 1976. Antioxidants as agents potentiating the anti-inflammatory action of indomethacin. *Acta Biol. Med. Ger.* 35: 1547-1551.
- Sobanski, H., Krupinska, J., and Gryglewski, R.J.** 1974. Carrageenin hyperthermia in rats. *Experientia* 30: 1326-1328.
- Soegiarto, A.** 1978. Indonesian seaweed resources, their utilization and management. *Proc. Int. Seaweed Symp.* 9: 463-471.
- Sofia, R.D.** 1977. Alteration of hepatic microsomal enzyme systems and the lethal action of nonsteroidal anti-arthritic drugs in acute and chronic models of inflammation. *Agents Actions* 7: 289-298.
- Sofia, R.D., Diamantis, W., and Ludwig, B.J.** 1977. Pharmacological properties of 2,3-dihydro-9H-isoxazolo[3,2-b]quinazolin-9-one (W-2429). I. Analgesic, antipyretic and antiedema activity. *Arzneim. Forsch.* 27: 770-782.
- Sofia, R.D., Knobloch, L.C., and Vassar, H.B.** 1973. The anti-edema activity of various naturally occurring cannabinoids. *Res. Commun. Chem. Pathol. Pharmacol.* 6: 909-918.
- Sofia, R.D., Knobloch, L.C., and Vassar, H.B.** 1975. Inhibition of the primary lesion of adjuvant induced polyarthritis in rats (18-hour arthritis test) for specific detection of clinically effective antiarthritic drugs. *J. Pharmacol. Exp. Ther.* 193: 918-931.
- Sofia, R.D., Nalepa, S.D., Harakal, J.J., and Vassar, H.B.** 1973. Anti-edema and analgesic properties of delta-9-tetrahydrocannabinol. *J. Pharmacol. Exp. Ther.* 186: 646-655.
- Sofia, R.D., Nalepa, S.D., Vassar, H.B., and Knobloch, L.C.** 1974. Comparative antiphlogistic activity of delta-9-tetrahydrocannabinol, hydrocortisone and aspirin in various rat paw edema models. *Life Sci.* 15: 251-260.
- Sorenson, J.R.J.** 1976. Copper chelates as possible active forms of the antiarthritic agents. *J. Med. Chem.* 19: 135-148.
- Sorenson, J.R.J.** 1977. Evaluation of copper complexes as potential anti-arthritic drugs. *J. Pharm. Pharmacol.* 29: 450-452.
- Sorrentino, L., Capasso, F., and Di Rosa, M.** 1977. Anti-inflammatory properties of griseofulvin. *Agents Actions* 7: 157-162.
- Soskolne, W.A.** 1972. Some observations on the pathogenesis and morphology of giant cell granulomas. *Proc. R. Soc. Med.* 65: 1131-1134.
- Souverain, M.R.** 1976. Hydrocolloids in foodstuffs and the law. In *Gums and Hydrosoluble Natural Vegetal Colloids, Fourth International Symposium*. Iranex, Marseille. pp. 15-46.
- Souw, P., and Rehm, H.J.** 1975. Microorganisms in gums. IV. Microbial degradation of three plant exudates and two seaweed extracts. *Z. Lebensm. Unters. Forsch.* 159: 297-304. (in German)
- Spector, G.J.** 1976. The role of aminopeptidases in inflammatory and neoplastic tissues. *Laryngoscope* 86: 1218-1240.
- Spector, G.J.** 1977. Leucine and alanine aminopeptidase activities in experimentally induced intradermal granulomas and late stages of wound healing in the rat. *Lab. Invest.* 36: 1-7.
- Spector, W.G.** 1974. The macrophage, its origins and role in pathology. *Pathobiol. Annu.* 4: 33-64.
- Spencer, N.R., Leppla, N.C., and Presser, G.A.** 1976. Sodium alginate as a gelling agent in diets for the cabbage looper, *Trichoplusia ni*. *Entomol. Exp. Appl.* 20: 39-42.
- Splawinski, J.A., Wojtaszek, B., Swies, J., and Gryglewski, R.J.** 1978. Endogenous factors affecting arachidonic acid metabolism. I. Biosynthesis of prostacyclin and prostaglandins by carrageenin granulomas of rats. *Prostaglandins* 16: 683-697.

- Sprague, P.W., and Heikes, J.E.** 1977. Synthesis and anti-inflammatory activity of *cis*-4,5,6,7,8,8A,9-hexahydro- α -methyl-5H-fluorene-2-acetic acid. *J. Med. Chem.* 20: 726-728.
- Srimal, R.C., and Dhawan, B.N.** 1973. Pharmacology of diferuloyl methane (curcumin), a nonsteroidal anti-inflammatory agent. *J. Pharm. Pharmacol.* 25: 447-452.
- Srimal, R.C., Sharma, J.N., Tangri, A.N., and Dhawan, B.N.** 1973. Experimental evaluation of anti-inflammatory activity of 3,4-dimethoxyphenylethylamino-3-aminopyridine (compound 64-92). *Indian J. Exp. Biol.* 11: 183-187.
- Stabilization of tea extracts. 1976. *Netherlands Patent* 75 10935.
- Stancioff, D.** 1976. Toxicology review of carrageenan. In *Gums and Hydrosoluble Natural Vegetal Colloids, Fourth International Symposium*. Iranex, Marseille. pp. 47-58.
- Stancioff, D.J., and Renn, D.W.** 1975. Physiological effects of carrageenan. *ACS Symp. Ser.* 15: 282-295.
- Stancioff, D.J., and Witt, H.J.** 1972. Stabilizer-containing titanium dioxide suspensions. *U.S. Patent* 3,663,284.
- Stassen, F.L.H., and Kuyper, C.M.A.** 1972. Connective tissue reactions to lambda-carrageenin in the rat: Lambda-carrageenin-collagen interaction. *Exp. Mol. Pathol.* 16: 138-146.
- Steinetz, B., Giannina, T., and Butler, M.** 1973. The role of sulfhydryl groups in three models of inflammatory disease. *J. Pharmacol. Exp. Ther.* 185: 139-149.
- Stephenson, T.A., and Stephenson, A.** 1972. *Life Between Tidemarks on Rocky Shores*. W.H. Freeman, San Francisco.
- Stewart, W.D.P.** (editor). 1974. *Algal Physiology and Biochemistry*. University of California Press, Berkeley.
- Stone, A.L.** 1972. Helical conformations in acidic polysaccharides in solution. *Biopolymers* 11: 2625-2631.
- Stone, A.L.** 1976. Interaction of heparin and polyanions with homo and mixed basic polypeptides. *Fed. Proc.* 35: 472. (Abstr.)
- Stone, C.A., et al.** 1977. Pharmacology and toxicology of diflunisal. *Br. J. Clin. Pharmacol.* 4. (Suppl. 1): 19-29.
- Stott, R.S., and Olson, D.P.** 1973. Food habitat relationship of sea ducks on the New Hampshire coastline. *Ecology* 54: 996-1007.
- Stramentinoli, G., Pezzoli, C., and Catto, E.** 1975. Anti-inflammatory and analgesic action of S-adenosyl-L-methionine (SAME) in experimental tests on laboratory animals. *Minerva Med.* 66: 4434-4442. (in Italian)
- Strel'tsova, Z.A., Braudo, E.E., and Tolstoguzov, V.B.** 1975. Effect of polyanions on alpha-chymotrypsin catalytic properties. *Bioorg. Khim.* 1: 267-272. (in Russian)
- Strong, C.H.** 1974. Extraction of carrageenan from marine algae. *German Patent* 2,405,436.
- Strong, C.H.** 1974. Purification and concentration of an aqueous polysaccharide solution obtained from sea algae. *German Patent* 2,335,535.
- Strubelt, O., and Völpel, M.** 1978. On the development of tolerance to hepatotoxic agents. *Naunyn-Schmiedeberg's Arch. Pharmacol.* 302 (Suppl.): R19. (Abstr.)
- Strubelt, O., and Zetler, G.** 1976. Inhibitory effect of ethanol on the rat paw edema. *Naunyn-Schmiedeberg's Arch. Pharmacol.* 293 (Suppl.): R40. (Abstr., in German)
- Sturgeon, R.J.** 1975. Plant and algal polysaccharides. *Carbohydr. Chem.* 7: 215-252.
- Sturgeon, R.J.** 1978. Plant and algal polysaccharides. *Carbohydr. Chem.* 10: 218-241.
- Suganuma, N., Takada, N., and Takamuro, R.** 1974. Dentifrices. *Japanese Patent* (unexamined) 74 117635.
- Suganuma, N., Takamuro, R., and Kawai, Y.** 1974. Alkyldiethanolamide and carrageenan in laurylsulfate-containing dentifrices. *Japanese Patent* (unexamined) 74 66841.
- Suganuma, N., and Ake, Y.** 1973. Dentifrices. *Japanese Patent* (unexamined) 73 56835.

- Sugiura, S., Ohno, S., Ohtani, O., Izumi, K., Kitamikado, T., Asai, H., Kato, K., Hori, M., and Fujimura, H.** 1977. Syntheses and anti-inflammatory and hypnotic activity of 5-alkoxy-3-(N-substituted carbamoyl)-1-phenylpyrazoles. IV. *J. Med. Chem.* 20: 80-85.
- Sugiura, S., et al.** 1977. Studies on syntheses of pyrazolone and pyrazole derivatives. V. Synthesis of 5-alkoxy-3-(N-substituted carbamoyl)-1-substituted phenylpyrazole. *Yakugaku Zasshi* 97: 719-725. (in Japanese)
- Sugiyama, M., Okuyama, Y., and Yoshimoto, Y.** 1978. Studies on the metabolism of 4'-chloro-5-methoxy-3-biphenylacetic acid DKA-9 in rat and the anti-inflammatory activity of DKA-9 and its metabolites. *Yakugaku Zasshi* 98: 31-40. (in Japanese)
- Sullivan, J.D.** 1973. *Purification and Characterization of Hexose Oxidase from the Red Alga Chondrus crispus*. Ph.D. Thesis, University of New Hampshire, Durham.
- Sullivan, J.D., and Ikawa, M.** 1973. Purification and characterization of hexose oxidase from the red alga *Chondrus crispus*. *Biochim. Biophys. Acta* 309: 11-22.
- Suzuki, M., Suzuki, S., Matsumoto, T., Taguchi, A., and Mikami, T.** 1978. Purification of antiulcer carrageenin. *Japanese Patent* (unexamined) 78 104715.
- Suzuki, M., Suzuki, S., Matsumoto, T., Taguchi, A., and Mikami, T.** 1978. Sulfated polysaccharide derivatives. *Japanese Patent* (unexamined) 78 105583.
- Suzuki, S., Wantanabe, Y., Kazama, S., and Ohki, T.** 1978. Histological studies on the effects of sodium chloride on carrageenin-induced granulated tissues. *Nippon Kokoka Gakkai Zasshi* 27: 303-308. (in Japanese)
- Suzuki, Y., Ito, M., Hayashi, M., and Yamagami, I.** 1972. Pharmacological studies on 2-phenyl-4-dimethylaminopropylamino-6-ethoxy-3-(2H)-pyridazinone hydrochloride (TM-3), a new analgesic agent. *Nippon Yakurigaku Zasshi* 68: 442-459. (in Japanese)
- Swingle, K.F.** 1974. Interaction of chloroquine and carrageenan. *Biochem. Pharmacol.* 23: 1669-1674.
- Swingle, K.F., Moore, G.G.I., and Grant, T.J.** 1976. 4-Nitro-2-phenoxymethanesulfonanilide (R-805): A chemically novel anti-inflammatory agent. *Arch. Int. Pharmacodyn. Ther.* 221: 132-139.
- Swingle, K.F., Scherrer, R.A., and Grant, T.J.** 1975. Anti-inflammatory activity of alpha-methyl-3-phenyl-7-benzofuranacetic acid (R-803). *Arch. Int. Pharmacodyn. Ther.* 214: 240-249.
- Szary, A.** 1977. The course of carrageenin-induced iridocyclitis in rabbits. *Arch. Immunol. Ther. Exp.* 25: 885-890.
- Tachizawa, H., Tsukada, W., and Akimoto, T.** 1977. Drug interactions of aspirin with chlormezanone on analgesic and anti-inflammatory activities, acute toxicity and metabolism. *Yakugaku Zasshi* 97: 736-745. (in Japanese)
- Tajima, H., Ishiguro, J., Hayashi, Y., Yamazaki, Y., Kurito, M., Yamamoto, S., and Ogawa, N.** 1975. Metabolic fate of 2-(7-methoxy-10-methyl-2-phenothiazinyl)propionic acid. II. *Yakugaku Zasshi* 95: 535-538. (in Japanese)
- Takagi, H., Kamoshida, K., Endo, K., and Karube, T.** 1974. General pharmacological studies of carbazilquinone, a new anticancerous agent. *Oyo Yakuri* 8: 519-526. (in Japanese)
- Takagi, K., and Lee, E.B.** 1972. Pharmacological studies on *Platycodon grandiflorum* A. DC. II. Anti-inflammatory activity of crude platycodin, its activities on isolated organs and other pharmacological activities. *Yakugaku Zasshi* 92: 961-968. (in Japanese)
- Takata, I., Tosa, T., and Chibata, I.** 1977. Screening of matrix suitable for immobilization of microbial cells. *J. Solid-Phase Biochem.* 2: 225-236.
- Takemura, I., Kitamura, R., Kawafuji, K., and Ujje, T.** 1977. Gel composition containing air-treating agent. *Japanese Patent* (unexamined) 77 136893.

- Tamchyna, J., and Drzka, S.** 1973. Refining of liquors. Czechoslovakian Patent 147,708.
- Tamisier, J.N., Lamarche, M., Pourel, J., and Louyot, P.** 1974. Experimental results of combinations of nonsteroid anti-inflammatory drugs in acute and chronic inflammation. *Rev. Rhum. Mal. Osteo-Articulaires* 41: 163-171. (in French)
- Tamura, S.** 1977. Studies on analgesics. III. Pharmacological action related to analgesic and anti-inflammatory activities of 5-aminomethyl salicylic acid. *Yakugaku Zasshi* 97: 289-294. (in Japanese)
- Tamura, S., and Hattori, K.** 1975. The study on anti-inflammatory drugs. I. Cataplasms. *J. Tokyo Dent. Coll. Soc.* 75: 684-691. (in Japanese)
- Tamura, Y., et al.** 1977. Nonsteroidal anti-inflammatory agents. I. 5-Alkoxy-3-biphenylacetic acids and related compounds as new potential anti-inflammatory agents. *J. Med. Chem.* 20: 709-714.
- Tanaka, K., and Iizuka, Y.** 1972. Anti-inflammatory effect of bimetopyrol. I. Suppressive effect on acute inflammation. *Yakugaku Zasshi* 92: 1-10. (in Japanese)
- Tanaka, Y., and Gabe, S.** 1977. Freezable whipped topping. *Japanese Patent* (unexamined) 77 54056.
- Taneja, V., Siddiqui, H.H., and Arora, R.B.** 1973. Studies on the anti-inflammatory activity of *Moschus moschiferus* (Musk) and its possible mode of action. *Indian J. Physiol. Pharmacol.* 17: 241-247.
- Tarayre, J.P., and Lauressergues, H.** 1977. Advantages of a combination of proteolytic enzymes, flavonoids and ascorbic acid in comparison with non-steroid anti-inflammatory agents. *Arzneim. Forsch.* 27: 1144-1149.
- Tarayre, J.P., Lauressergues, H., Vidal, M., Barbara, M., Tailhan, C., and Menard, F.** 1976. Study on some pharmacological properties of a combination used in vascular disorders. *Ann. Pharm. Fr.* 34: 375-382. (in French)
- Tarayre, J.P., Lauressergues, H., Vidal, M., and Tailhan, C.** 1975. Pharmacological study of some capillary acting substances. *Ann. Pharm. Fr.* 33: 467-471. (in French)
- Tarayre, J.P., Vilain, P., and Lauressergues, H.** 1978. Mannitol and delayed hypersensitivity in the rat. *J. Pharm. Pharmacol.* 30: 458-459.
- Tariq, M., Afaq, S.H., and Zafarullah, M.** 1977. Pharmacological studies on *Convolvulus arvensis* Linn. *Indian J. Pharm.* 39: 89.
- Tarzia, G., Schiatti, P., Selva, D., Favara, D., and Ceriani, S.** 1976. 4,5-Dicarbamyl-2-aryloxazoles: Synthesis and anti-inflammatory properties. *Eur. J. Med. Chem.* 11: 263-270.
- Tayal, G., Goel, S., Srivastava, V.K., and Srivastava, R.K.** 1976. Anti-inflammatory activity of delta-9 tetrahydrocannabinol. *Indian J. Physiol. Pharmacol.* 20: 117-118. (Abstr.)
- Taylor, A.R.A.** 1972. A basis for the continuing assessment of natural and exploited populations of *Chondrus crispus*. *Proc. Int. Seaweed Symp.* 7: 263-267.
- Taylor, A.R.A.** 1973. Studies of populations of *Chondrus crispus* (Irish moss) and *Furcellaria fastigiata* in Prince Edward Island waters during 1971. Environment Canada, Fisheries and Marine Service, Industrial Development Branch, Ottawa, Tech. Rep. 65: 109 pp.
- Taylor, A.R.A.** 1975. The *Chondrus crispus-Furcellaria fastigiata* community at Campbell's Cove, Prince Edward Island. Environment Canada, Fisheries and Marine Service, Industrial Development Branch, [Ottawa], Tech. Rep. 88: 72 pp.
- Taylor, A.R.A.** 1975. Phototransect studies of *Chondrus* communities in the Maritime Provinces. Environment Canada, Fisheries and Marine Service, Industrial Development Branch, [Ottawa], Tech. Rep. 87: 34 pp.
- Taylor, A.R.A., and Chen, L.C.M.** 1973. The biology of *Chondrus crispus* Stackhouse: Systematics, morphology and life history. *Proc. N.S. Inst. Sci.* 27 (Suppl., *Chondrus crispus*): 1-21.

- Taylor, A.R.A., Chen, L.C.M., Smith, B.D., and Staples, L.S.** 1975. *Chondrus* holdfasts in natural populations and in culture. Environment Canada, Fisheries and Marine Service, Industrial Development Branch, Ottawa, 13 pp.
- Taylor, S.L., and Villalard-Bohnsack, M.** 1978. Plant life of the estuary. *Conn. Arbor. Bull.* 23: 4-12.
- Telfer, W.R., and Telfer, R.H.** 1972. Ferrous fumarate capsule. *British Patent* 1,289,453.
- Teratologic evaluation of FDA 71-3 (sodium carrageenate). 1972. *U.S. NTIS*, PB-221812, 58 pp.
- Teratologic evaluation of FDA 71-5 (calcium carrageenate). 1972. *U.S. NTIS*, PB-221787, 58 pp.
- Terezinha-Zanin, M., and Ferreira, S.H.** 1978. Relationship between edema and plasma exudation in rat paw carrageenin inflammation. *Agents Actions* 8: 606-609.
- Thomas, G., and West, G.B.** 1973. The action of anti-inflammatory drugs in two models of inflammation. *J. Pharm. Pharmacol.* 25: 753-754.
- Thomas, G., and West, G.B.** 1973. Prostaglandins as regulators of bradykinin responses. *J. Pharm. Pharmacol.* 25: 747-748.
- Thomas, G., and West, G.B.** 1974. Anti-inflammatory activity of esters of phenylglycine. *J. Pharm. Pharmacol.* 26: 151-152.
- Thomson, A.W.** 1978. Carrageenan and the immune response. *Biomedicine* 28: 148-152.
- Thomson, A.W., and Fowler, E.F.** 1977. Potentiation of tumor growth by carrageenan. *Transplantation* 24: 397-400.
- Thomson, A.W., and Horne, C.H.W.** 1975. Failure of carrageenan to affect graft-versus-host reactivity in the rat. *Transplantation* 20: 435-437.
- Thomson, A.W., and Horne, C.H.W.** 1976. Toxicity of various carrageenans in the mouse. *Br. J. Exp. Pathol.* 57: 455-459.
- Thomson, A.W., and Tweedie, D.J.** 1976. The graft-versus-host response in young rats treated with sulfated polysaccharides. *IRCS Med. Sci. Libr. Compend.* 4: 494.
- Thomson, A.W., Wilson, A.R., and Cruickshank, W.J.** 1975. Comparative effects of silica and carrageenan on mouse peritoneal cells viewed using Nomarski optics. *IRCS Med. Sci. Libr. Compend.* 3: 433-434.
- Thomson, A.W., Wilson, A.R., and Cruickshank, W.J.** 1975. Effect of polyinosinic-polycytidylic acid on humoral immunity in mice immunosuppressed by the macrophage toxic agents silica and carrageenan. *IRCS Med. Sci. Libr. Compend.* 3: 325.
- Thomson, A.W., Wilson, A.R., Cruickshank, W.J., and Horne, C.H.W.** 1976. Evaluation of carrageenan as an immunosuppressive agent and mediator of intravascular coagulation. *Biomedicine* 24: 102-106.
- Thomson, A.W., Wilson, A.R., Cruickshank, W.J., and Jeffries, A.H.** 1976. Evidence for a selective cytotoxic effect of carrageenan on cells of the immune system in vivo and in vitro. *Experientia* 32: 525-526.
- Timsit, J., Giroud, J.P., Dechezlepretre, S., and Lechat, P.** 1973. Anti-inflammatory action of adrenaline. *Arch. Int. Pharmacodyn. Ther.* 205: 153-172. (in French)
- Timur, M., Roberts, R.J., and McQueen, A.** 1977. Carrageenan granuloma in the plaice *Pleuronectes platessa*, a histopathological study of chronic inflammation in a teleost fish. *J. Comp. Pathol.* 87: 89-96.
- Tobe, A., and Umezu, K.** 1976. Pharmacological studies of triazine derivatives. III. Analgesic and anti-inflammatory actions of 2-(benzylidenehydrazino)-4-tertbutyl-6-piperazino-s triazine. *Yakugaku Zasshi* 96: 503-510. (in Japanese)
- Tomarelli, R.M., Tucker, W.D., Bauman, L.M., Savini, S., and Weaber, J.R.** 1974. Nutritional quality of processed milk containing carrageenan. *J. Agric. Food Chem.* 22: 819-824.

- Tomaru, K., Kubo, S., Ohkawa, Y., Uchiyama, H., and Hayashi, Y.** 1973. Antivirus agent containing algal polysaccharides. *Japanese Patent* 73 18446.
- Tomasula, M., Swanson, N., and Ander, P.** 1978. Co-ion and counter-ion interactions with sulfonated polysaccharides. *ACS Symp. Ser.* 77: 245-258.
- Tomibe, K., and Masuho, Y.** 1976. Insoluble sugars for diagnosis. *Japanese Patent* (unexamined) 76 125465.
- Tompkins, J.G.** 1977. The Irish moss industry in the Maritimes, a synoptic review. Department of Industry Trade and Commerce, Fisheries and Fish Products Division, Ottawa, 21 pp.
- Toshiaki, K., Saito, C., Awata, H., Sakai, Y., Inukai, T., Kurokawa, H., and Yamamoto, H.** 1973. Anti-inflammatory activities of 1-cinnamoyl-2-methyl-5-methoxy-3-indolylacetic acid (cinmetacin). *Arzneim. Forsch.* 23: 1690-1696.
- Toth, S., Sipka, S., and Szilagyi, T.** 1975. Effect of aurothioglucose on some allergic and non-allergic skin reactions in animals. *Acta Microbiol. Acad. Sci. Hung.* 22: 245-248.
- Towle, G.A.** 1973. Carrageenan. In *Industrial Gums*, 2nd edition (ed. Whistler, R.L., and BeMiller, J.N.) Academic, New York. pp. 83-114.
- Towle, G.A.** 1976. Gels based on carrageenan. *U.S. Patent* 3,956,173.
- Towler, C.** 1975. Sodium caseinate-carrageenan reaction. *N.Z.J. Dairy Sci. Technol.* 10: 168-169.
- Toxicological evaluation of certain food additives with a review of general principles and of specifications. 1974. *WHO Tech. Rep. Ser.* 539: 1-40.
- Trainor, F.R.** 1978. *Introductory Phycology*. Wiley, New York.
- Trenchard, D.** 1974. The role of lung receptors with nonmyelinated fibers in lung pathology. *Bull. Physio-Pathol. Respir.* 10: 70-73.
- Trenchard, D., Gardner, D., and Guz, A.** 1972. Role of pulmonary vagal afferent nerve fibres in the development of rapid shallow breathing in lung inflammation. *Clin. Sci.* 42: 251-263.
- Trottier, R.W., Evans, N., Moore, E.A., and Hansen, C.** 1976. The pyretic response of a series of carrageenan colloids. *Pharmacologist* 18: 219. (Abstr.)
- Trottier, R.W., Moore, E., McMillan, J., and Evans, N.** 1977. Hormonal manipulation of carrageenan-induced pyresis in rats. *Experientia* 33: 639-640.
- Truax, J.F., Selph, J.L., Lea, A., and Vinegar, R.** 1977. Quantitative studies of the temporal development and regression of carrageenan pleurisy in the rat. *Pharmacologist* 19: 216. (Abstr.)
- Tsai, A.C., Elias, J., Kelley, J.J., Lin, R.S.C., and Robson, J.R.K.** 1976. Influence of certain dietary fibers on serum and tissue cholesterol levels in rats. *J. Nutr.* 106: 118-123.
- Tsang, M.L.S., Hodson, R.C., and Schiff, J.A.** 1978. Sulfate uptake. In *Handbook of Phycological Methods: Physiological and Biochemical Methods* (ed. Hellebust, J.A., and Craigie, J.S.) Cambridge University Press, New York. pp. 419-425.
- Tsen, T.T.** 1973. Pharmacological studies on the components of *Akebia longeracemosa*, especially on the chemical and pharmacological properties of *Akebia saponins*. *Shikoku Igaku Zasshi* 29: 65-83. (in Japanese)
- Tsuda, Y.** 1975. Clinical and experimental studies on biliary duct pressure. *J. Osaka City Med. Cent.* 24: 753-781. (in Japanese)
- Tsuji, E., Tsuji, K., and Suzuki, S.** 1975. Effects of polysaccharides on cholesterol metabolism: VI. Effects of various polysaccharides on serum and liver cholesterol levels in cholesterol-fed rats. *Annu. Rep. Natl. Inst. Nutr.* 24: 83-91. (in Japanese)
- Tsuji, K., Tsuji, E., and Suzuki, S.** 1974. Effects of polysaccharides on cholesterol metabolism. III. Effects of several polysaccharides on the serum cholesterol levels in cholesterol-fed rats. *Eiyogaku Zasshi* 32: 155-160. (in Japanese)
- Tsuji, M., et al.** 1977. Development of tolerance to 1-(m-trifluoromethylphenyl)-3-(2-hydroxyethyl)-quinazoline-2, 4(1H, 3H)-dione [H-88]. *J. Toxicol. Sci.* 2: 115-127.

- Tsukada, W.** 1976. Study on adjuvant carrageenan induced inflammation in the rat. *Azabu Juika Daigaku Kenkyu Hokoku* 31: 203-238.
- Tsukada, W., Akimoto, T., and Mizushima, Y.** 1974. Some aspects of anti-inflammatory action of immuno-suppressive drugs. *Jpn. J. Pharmacol.* 24: 583-588.
- Tsukada, W., Tsubokawa, M., Masukawa, T., Kojima, H., and Kasahara, A.** 1976. Anti-inflammatory effect of 6,11-dihydro-11-oxodibenz [b.e.]joxepin-3-acetic acid (DD-3314). *Jpn. J. Pharmacol.* 26 (Suppl.): 124P. (Abstr.)
- Tsurufuji, S.** 1977. Gene expression as a molecular mechanism in the anti-inflammatory action of glucocorticoids. *J. Pharm. Soc. Korea* 21: 115-117.
- Tsurufuji, S., Nakagawa, H., Ohno, T., and Fukuhara, M.** 1974. Metabolic study of the action mechanism of anti-inflammatory steroids. In *Biochemistry and Pathology of Connective Tissue* (ed. Otaka, Y.) Igaku Shoin, Tokyo. pp. 139-151.
- Tsurufuji, S., Sato, H., Min, K.R., and Ohuchi, K.** 1978. Difference in the anti-inflammatory effect of indomethacin between acute and chronic stages of carrageenin-induced inflammation. *J. Pharmacobio-Dyn.* 1: 8-14.
- Tsurufuji, S., Sato, H., and Ohuchi, K.** 1976. Drug action on the exudative process of proliferative inflammation. *Jpn. J. Pharmacol.* 26 (Suppl.): 123P. (Abstr.)
- Tsurufuji, S., Sugio, K., and Endo, Y.** 1977. Inhibition of vascular permeability by cycloheximide in granulomatous inflammation. *Biochem. Pharmacol.* 26: 1131-1136.
- Tsurumi, K., Abe, A., Shibuya, T., and Fujimura, H.** 1975. Anti-edematous action of 1-(*m*-chlorophenyl)-3-*N,N*-dimethylcarbamoyl-5-methoxy-pyrazole (PZ-177) in rats. *Nippon Yakurigaku Zasshi* 71: 833-841. (in Japanese)
- Tsurumi, K., and Fujimura, H.** 1975. Analgesic and anti-inflammatory actions of 1-(*m*-chlorophenyl)-3-carbamoyl-5-methoxy-pyrazole derivatives. *Jpn. J. Pharmacol.* 25: 781-784.
- Tsurumi, K., Fujimura, H., and Mizutani, A.** 1975. Experimental study on the anti-inflammatory action of antibiotics of the macrolide group, especially that of erythromycin. *Chemotherapy (Tokyo)* 23: 1502-1510. (in Japanese)
- Tsurumi, K., Hiramatsu, Y., Nozaki, M., Hayashi, M., Shibuya, T., and Fujimura, H.** 1973. Anti-inflammatory action of *N*-(2,6-dichlorophenyl)-*o*-aminophenylacetic acid and its sodium salt, and *N*-(2,6-dichlorophenyl) anthranilic acid and its sodium salt. I. Acute inflammation. *Nippon Yakurigaku Zasshi* 69: 299-318. (in Japanese)
- Tsurumi, K., Nozaki, M., and Fujimura, H.** 1973. Anti-edematous effects of catecholamines. *Nippon Yakurigaku Zasshi* 69: 344P. (Abstr., in Japanese)
- Tunali, G., Huth, K., and Cremer, H.D.** 1976. Comparing studies of glucose and galactose assimilation after indigestible carbohydrates. *Nutr. Metab.* 20: 202. (Abstr.)
- Turk, C.F., Egli, P., and Krapcho, J.** 1977. Synthesis and anti-inflammatory activity of the sulfoxides of 4-[3-(dimethylamino) propyl]-3,4-dihydro-2-(1-hydroxyethyl)-3-phenyl-2H-1,4-benzothiazine. *J. Heterocycl. Chem.* 14: 1135-1138.
- Turner, E.V.** 1973. *Carrageenan-induced Alterations of Immune Responses in Mice*. Ph.D. Thesis, University of Louisville, Louisville, Ky.
- Turner, E.V., and Higginbotham, R.D.** 1977. Carrageenan induced alterations of antigen distribution and immune responses in mice. *RES J. Reticuloendothel. Soc.* 22: 545-554.
- Turvey, J.R.** 1978. Biochemistry of algal polysaccharides. In *Biochemistry of Carbohydrates II*. (ed. Manners, D.J.) University Park Press, Baltimore. pp. 151-177.
- Tveter, E., and Mathieson, A.C.** 1976. Sporeling coalescence in *Chondrus crispus* (Rhodophyceae). *J. Phycol.* 12: 110-118.
- Tveter, E., Mathieson, A.C., and Cheney, D.** 1977. Male plants of *Chondrus crispus* Stackhouse, their ultrastructure and ecology. *J. Phycol.* 13 (Suppl.): 69. (Abstr.)

- Tveter, E., and Wight, T.N.** 1977. The effect of carrageenan on chicks fibroblasts in vitro. *J. Phycol.* 13 (Suppl.): 69. (Abstr.)
- Tympanidis, K., and Astrup, T.** 1972. Fibrinolytic activity in injured rat skin. *Exp. Mol. Pathol.* 16: 101-108.
- Ubatuba, F.B., Harvey, E.A., and Ferreira, S.H.** 1975. Are platelets important in inflammation? *Agents Actions* 5: 31-34.
- Uchiyama, T.** 1977. Evaluation of the role of the beta and extra beta blocking actions of beta adrenergic blockers in whole animals. *J. Med. Soc. Toho Univ.* 24: 38-70.
- Uemura, I.** 1973. Application of carrageenan for foods and technical problems of it. *Shokuhin Kogyo* 16: 63-69. (in Japanese)
- Ueno, K., Kubo, S., Tagawa, H., Yoshioka, T., Tsukada, W., Tsubokawa, M., Kojima, H., and Kasahara, A.** 1976. 6,11-Dihydro-11-oxodibenz[b,e]oxepinacetic acids with potent anti-inflammatory activity. *J. Med. Chem.* 19: 941-946.
- Umezawa, H., Shibamoto, N., Naganawa, H., Ayakawa, S., Matsuzaki, M., and Takeuchi, T.** 1974. Isolation of lecanoric acid, an inhibitor of histidine decarboxylase from a fungus. *J. Antibiot.* 27: 587-596.
- Unterhalt, B.** 1978. DKA-9, 4'-chloro-5-methoxy-3-biphenylacetic acid. *Drugs Future* 3: 366-368.
- Usov, A.I.** 1974. Polysaccharides of algae. XIII. Monosaccharide composition of polysaccharides of several red algae of the Sea of Japan. *Zh. Obshch. Khim.* 44: 191-196. (in Russian)
- Usov, A.I.** 1977. Study of the polysaccharides of marine red algae. *Tr. Vses. Nauchno-Issled. Inst. Morsk. Rybn. Khoz. Okeanogr.* 124: 65-70. (in Russian)
- Usov, A.I., and Arkhipova, V.S.** 1975. Polyacrylamide gel electrophoresis of acid polysaccharides. *Bioorg. Khim.* 1: 1303-1306. (in Russian)
- Usov, A.I., Barbakadze, V.V., Yarotskii, S.V., and Shashkov, A.S.** 1978. Polysaccharides of algae. XXVIII. Use of carbon-13-NMR spectroscopy for structural studies of galactan from *Grateloupia divaricata* Okam. *Bioorg. Khim.* 4: 1507-1512. (in Russian)
- Vacher, J., Deraedt, R., and Benzoni, J.** 1974. Anti-inflammatory effect mediated by a change in the activity of the reticuloendothelial system (RES) in the rat: Its relationship to alpha-macrofetoprotein induction. *RES. J. Reticuloendothel. Soc.* 16: 48-55.
- Vajda, G., Ravasz, L., Lorant, B., and Olle, P.** 1976. Food concentrates soluble without heating. *Hungarian Patent* 12,000.
- Valame, S.P., Ghorpade, S.N., Naik, S.R., and Sheth, U.K.** 1977. Effect of psychotropic drugs on carrageenin induced edema in rats. *Indian J. Med. Res.* 66: 1011-1014.
- Valentich, M.A., and Monis, B.** 1974. Glycosidase activities of a carrageenan granuloma. *Fed. Proc.* 33: 608. (Abstr.)
- Van Arman, C.G.** 1974. Anti-inflammatory drugs. *Clin. Pharmacol. Ther.* 16: 900-904.
- Van Arman, C.G.** 1975. Role of the Kallikrein kinin system in inflammation. *Life Sci.* 16: 822-823. (Abstr.)
- Van Arman, C.G., Risley, E.A., and Lotti, V.J.** 1977. Diflunisal, an aspirin-like analgesic and anti-inflammatory drug. *Fed. Proc.* 36: 1037. (Abstr.)
- Van Arman, C.G., Risley, E.A., and Nuss, G.W.** 1972. Pharmacologic properties of an anti-inflammatory agent 5-fluoro-2-methyl-1-(p-methylsulfinylbenzylidene)-inden-3-yl-acetic acid. *Fed. Proc.* 31: 577. (Abstr.)
- Van den Berg, G., and Nauta, W.T.** 1975. Effects of anti-inflammatory 2-aryl-1,3-indandiones on oxidative phosphorylation in rat liver mitochondria. *Biochem. Pharmacol.* 24: 815-821.
- Van den Brenk, H.A.S., Crowe, M.C., and Stone, M.G.** 1977. Functional integrity and inflammatory reactions of exchange vessels and lymphatics in X-irradiated tissues. *Br. J. Exp. Pathol.* 58: 484-499.

- Van der Meer, J.P.** 1977. Genetics of *Gracilaria* sp. (Rhodophyceae, Gigartinales). II. The life history and genetic implications of cytokinetic failure during tetraspore formation. *Phycologia* 16: 367-371.
- Van der Waaij, D., Cohen, B.J., and Anver, M.R.** 1974. Mitigation of experimental inflammatory bowel disease in guinea pigs by selective elimination of the aerobic gram negative intestinal microflora. *Gastroenterology* 67: 460-472.
- Van Dijk, J., and Zwagemakers, J.M.A.** 1977. Oxime ether derivatives, a new class of nonsteroidal anti-inflammatory compounds. *J. Med. Chem.* 20: 1199-1206.
- Van Gool, J., Ladiges, N.C.J.J., De Nie, I., and Boers, W.** 1977. Inflammation inhibiting properties of rat alpha-M fetoprotein (rat-alpha-2 macroglobulin), an acute phase reactant. *Agents Actions Suppl.* 2: 149-161.
- Van Gool, J., Schreuder, J., and Ladiges, N.C.J.J.** 1974. Inhibitory effect of fetal alpha-2 globulin, an acute phase protein, on carrageenin edema in the rat. *J. Pathol.* 112: 245-262.
- Vanni, F.** 1972. Extracts of gelatinizing algae. *Riv. Ital. Essenze Profumi Piante Off. Aromi Saponi, Cosmet. Aerosol.* 54: 104-106. (in Italian)
- Vargaftig, B.B.** 1974. Search for common mechanisms underlying the various effects of putative inflammatory mediators. *Prostaglandins* 2: 205-276.
- Vargaftig, B.B.** 1976. Effects of prostaglandin synthetase inhibitors and of other drugs on aggregation of plasma-free rabbit platelets by carrageenan and by thrombin. *Br. J. Pharmacol.* 58: 447P.
- Vargaftig, B.B.** 1977. Carrageenan and thrombin trigger prostaglandin synthetase-independent aggregation of rabbit platelets: Inhibition by phospholipase A2 inhibitors. *J. Pharm. Pharmacol.* 29: 222-228.
- Vargaftig, B.B.** 1977. Involvement of mediators in the interaction of platelets and carrageenan. *Agents Actions Suppl.* 2: 9-39.
- Vargaftig, B.B.** 1977. Platelets and inflammation. *Agents Actions Suppl.* 3: 75-92.
- Vargaftig, B.B., and Lefort, J.** 1977. Acute hypotension due to carrageenan, arachidonic acid and slow reacting substance C in the rabbit: Role of platelets and nature of pharmacological antagonism. *Eur. J. Pharmacol.* 43: 125-141.
- Vargaftig, B.B., and Lefort, J.** 1977. Role of platelets and of prostaglandin synthetase on hypotensive effects of arachidonic acid and of carrageenan. In *Perspectives in Inflammation* (ed. Willoughby, D.A., Giroud, J.P., and Velo, G.P.) University Park Press, Baltimore. pp. 317-330.
- Vargaftig, B.B., Lefort, J., and Giroux, E.L.** 1976. Haemorrhagic and inflammatory properties of collagenase from *C. histolyticum*. *Agents Actions* 6: 627-635.
- Velo, G.P., De Bastiani, G., Nogarin, L., and Abdullahi, S.E.** 1976. Anti-inflammatory effect of calcitonin. *Agents Actions* 6: 284. (Abstr.)
- Velo, G.P., Dunn, C.J., Giroud, J.P., Timsit, J., and Willoughby, D.A.** 1973. Distribution of prostaglandins in inflammatory exudate. *J. Pathol.* 111: 149-158.
- Velo, G.P., and Spector, W.G.** 1973. The origin and turnover of alveolar macrophages in experimental pneumonia. *J. Pathol.* 109: 7-19.
- Vickers, J.W., and Ballard, G.P.** 1972. Amelioration of colloidal conditions of beer. *Inst. Brew. (Aust. N.Z. Sect.) Proc. Conv.* 12: 111-116.
- Vincent, J.E., Bonta, I.L., and Zijlstra, F.J.** 1977. Platelets and mediators in the carrageenin rat paw edema. *Agents Actions Suppl.* 2: 41-46.
- Vincent, J.E., Bonta, I.L., and Zijlstra, F.J.** 1978. Accumulation of blood platelets in carrageenin rat paw edema. Possible role in inflammatory process. *Agents Actions* 8: 291-295.
- Vincent, J.E., and Zijlstra, F.J.** 1977. Interaction of carrageenan inflammation and platelets. In *Perspectives in Inflammation* (ed. Willoughby, D.A., Giroud, J.P., and Velo, G.P.) University Park Press, Baltimore. pp. 621-622. (Abstr.)
- Vincent, M., Remond, G., and Poignant, J.C.** 1972. dl- α -(4-Cycloalkyl-1-cyclohexenyl) alkanolic acids and derivatives as anti-inflammatory and antiarthritic compounds. *J. Med. Chem.* 15: 75-79.

- Vinegar, R., Selph, J.L., Truax, J.F., Johnston, P.R., and Lea, S. 1978. Quantitative evidence for two mechanisms in the acute anti-inflammatory action of aspirin in the rat. *Fed. Proc.* 37: 661. (Abstr.)
- Vinegar, R., Truax, J.F., and Selph, J.L. 1973. Quantitative temporal characteristics of carrageenin-induced pleurisy in the rat. *Proc. Soc. Exp. Biol. Med.* 143: 711-714.
- Vinegar, R., Truax, J.F., and Selph, J.L. 1974. Carrageenan induced pleurisy as a quantitative model for anti-inflammatory drug testing. *Pharmacologist* 16: 291. (Abstr.)
- Vinegar, R., Truax, J.F., and Selph, J.L. 1976. Quantitative comparison of the analgesic and anti-inflammatory activities of aspirin, phenacetin and acetaminophen in rodents. *Eur. J. Pharmacol.* 37: 23-30.
- Vinegar, R., Truax, J.F., and Selph, J.L. 1976. Quantitative studies of the pathway to acute carrageenan inflammation. *Fed. Proc.* 35: 2447-2456.
- Vinegar, R., Truax, J.F., Selph, J.L., Welch, R.M., and White, H.L. 1976. The effect of caffeine on the pharmacology of aspirin and phenacetin. *Fed. Proc.* 35: 775. (Abstr.)
- Vinegar, R., Truax, J.F., Selph, J.L., Welch, R.M., and White, H.L. 1976. Potentiation of the anti-inflammatory and analgesic activity of aspirin by caffeine in the rat. *Proc. Soc. Exp. Biol. Med.* 151: 556-560.
- Vose, B.M., and Moore, M. 1977. Reactivity of peripheral blood leukocytes against human foetal cells. II. Cytotoxic potential of preparations enriched or depleted of different leukocyte populations. *Int. J. Cancer.* 19: 34-42.
- Vymazal, J., Krasenska Dlabacova, J., Miller, I., and Malbohan, I. 1974. Effect of carrageenan on the course of experimental allergic encephalomyelitis in rats. *Cesk. Neurol. Neurochir.* 37: 345-348. (in Czechoslovakian)
- Waaland, J.R. 1972. Field and laboratory studies on the growth of *Iridaea* and *Gigartina*. *J. Phycol.* 8: 9-10.
- Waaland, J.R. 1973. Experimental studies on propagation of *Iridaea cordata* and *Gigartina exasperata*. *J. Phycol.* 9 (Suppl.): 12. (Abstr.)
- Waaland, J.R. 1975. Differences in carrageenan in gametophytes and tetrasporophytes of red algae. *Phytochemistry* 14: 1359-1362.
- Waaland, J.R., 1976. Growth of the red alga *Iridaea cordata* in semi-closed culture. *J. Exp. Mar. Biol. Ecol.* 23: 45-53.
- Waaland, J.R. 1977. *Common Seaweeds of the Pacific Coast*. J.J. Douglas, Vancouver.
- Waaland, J.R. 1977. Growth of Pacific Northwest marine algae in semi-closed culture. In *The Marine Plant Biomass of the Pacific Northwest Coast* (ed. Krauss, R.W.) Oregon State University Press, Corvallis. pp. 117-137.
- Waaland, J.R. 1978. Growth and strain selection in *Gigartina exasperata* (Florideophyceae). *Proc. Int. Seaweed Symp.* 9: 241-247.
- Wachtlova, M., Chvalova, M., Holusa, R., and Palecek, F. 1975. Carrageenan induced experimental pneumonia in rats. *Physiol. Bohemoslov.* 24: 263-268.
- Wakabayashi, K., Inagaki, T., Fujimoto, Y., and Fukuda, Y. 1978. Induction by degraded carrageenan of colorectal tumors in rats. *Cancer Lett.* 4: 171-176.
- Wake, K., Saeki, K., and Yamasaki, H. 1973. A study on acid phosphatase activity in acutely inflamed tissues. *Nippon Yakurigaku Zasshi* 69: 342P-343P. (Abstr., in Japanese)
- Walker, J.R., Smith, M.J.H., Ford-Hutchinson, A.W., and Billimoria, F.J. 1975. Mode of action of an anti-inflammatory fraction from normal human plasma. *Nature (London)* 254: 444-446.
- Wall, W.J., Calne, R.Y., and Wilkins, D.C. 1976. Apparent antagonism by heparin of the immunosuppressant effect of carrageenan, azathioprine and promethazine in canine renal allografts. *IRCS Med. Sci. Libr. Compend.* 4: 119.
- Walsh, D.A., Sancilio, L.F., and Reese, D.L. 1978. Aroyl- and arylisoquinolineacetic acids as anti-inflammatory agents. *J. Med. Chem.* 21: 582-585.

- Walworth, V.K.** 1975. Crystallization of silver halide within an aqueous mixture of a water soluble silver complex and a polymeric colloid binder. *U.S. Patent* 3,883,355.
- Warawa, E.J., Mueller, N.J., and Jules, R.** 1974. Quinuclidine chemistry. II. Synthesis and anti-inflammatory properties of 2-substituted benzhydryl-3-quinuclidinols. *J. Med. Chem.* 17: 497-501.
- Wassermann, A.** 1975. Air improvement gel. *German Patent* 2,400,273.
- Watanabe, K., Reddy, B.S., Wong, C.Q., and Weisburger, J.H.** 1978. Effect of dietary undegraded carrageenan on colon carcinogenesis in F344 rats treated with azoxymethane or methylnitrosourea. *Cancer Res.* 38: 4427-4430.
- Watnick, A.S., Gilchrest, H., Kearney, S., and Sabin, C.** 1974. The effect of clonixin betamethasone and cyclophosphamide on endotoxin-induced cellular mobilization. In *Future Trends in Inflammation* (ed. Velo, G.P., Willoughby, D.A., and Giroud, J.P.) Piccin Medical Books, Padua, Italy. pp. 235-247.
- Watnick, A.S., Gilchrest, H., Kearney, S., and Sabin, C.** 1975. The effect of betamethasone clonixin and cyclophosphamide in various models of inflammation. In *Inflammation and Anti-inflammatory Therapy* (ed. Katona, G., and Blengio, J.R.) Spectrum, New York. pp. 291-293.
- Watson, N., and Apirion, D.** 1976. Substitute for agar in solid media for common usages in microbiology. *Appl. Environ. Microbiol.* 31: 509-513.
- Watt, J., and Marcus, R.** 1972. Ulceration of the colon in rabbits fed sulfated amylopectin. *J. Pharm. Pharmacol.* 24: 68-69.
- Watt, J., and Marcus, R.** 1973. Experimental ulcerative disease of the colon in animals. *Gut* 14: 506-510.
- Watt, J., and Marcus, R.** 1975. Experimental ulcerative disease of the colon. *Meth. Achiev. Exp. Pathol.* 7: 56-71.
- Weischer, C.H.** 1975. Effect of some antiphlogistics on the acid phosphatase and beta-glucuronidase activities in the carrageenin-induced inflammation of the rat hindpaw. *Berl. Muench. Tieraerztl. Wochenschr.* 88: 375-378. (in German)
- Weischer, C.H.** 1975. Histochemical study of acid phosphomonoesterase activity during experimental inflammation of rat paws produced by carrageenin. *Arch. Exp. Veterinaermed.* 29: 519-530. (in German)
- Weischer, C.H.** 1975. Some histochemical aspects of carrageenin-induced inflammation. *Arch. Exp. Veterinaermed.* 29: 769-776. (in German)
- Weischer, C.H.** 1976. Experimental studies on the possibility of influencing mast cells in experimental carrageenan-induced rat paw edema. Histological study on the effects of some non-steroidal anti-inflammatory agents. *Arzneim. Forsch.* 26: 1867-1870. (in German)
- Weischer, C.H., and Anda, L.P.** 1975. Activity of acid phosphatase in the carrageenan induced edema. *Int. J. Clin. Pharmacol. Biopharm.* 12: 258-260.
- Welch, R.M., Truax, J.F., Selph, J.L., and Vinegar, R.** 1974. Effect of organophosphorus anticholinesterases of the metabolism and anti-inflammatory activity of aspirin. *Pharmacologist* 16: 292. (Abstr.)
- Welcomme, N., Lesieur, D., Lespagnol, C., Rabaron, A., and Navarro, J.** 1978. Chalcones and flavanones deriving from β -resorcylic acid. Demethylation of dimethoxy-2,4 benzoic acid derivatives. *Ann. Pharm. Fr.* 36: 135-141. (in French)
- Welstead, W.J., Helsley, G.C., Taylor, C.R., Turnbull, L.B., Da Vanzo, J.P., Funderburk, W.H., and Alphin, R.S.** 1973. 5-(2-Aminoethyl)-2-oxazolidinones with central nervous system depressant and anti-inflammatory activity. *J. Med. Chem.* 16: 1129-1132.
- Welti, D.** 1977. Carrageenans. XII. The 300 MHz proton magnetic resonance spectra of methyl β -D-galactopyranoside, methyl 3,6-anhydro- α -D-galactopyranoside, agarose, and kappa-carrageenan, and segments of iota-carrageenan and agarose sulfate. *J. Chem. Res. (S.)*: 312-313.

- Welton, R.L., Srratana, A., Neville, R.E., and Lowther, D.A.** 1977. Cartilage degrading proteoglycanase activity of rabbit polymorphonuclear leukocytes isolated from inflammatory exudates. *Proc. Aust. Biochem. Soc.* 10: 4(Abstr.)
- West, G.B.** 1977. Anaphylactoid responses in rats. *Int. Arch. Allergy Appl. Immunol.* 55: 542-545.
- West, J.** 1977. A genetic program for improvement of carrageenan production in the red alga *Gigartina*. *University of California Sea Grant College Program, Annual Report 1975-1976; Univ. Calif., Sea Grant Publ.* 57: 59-60.
- West, J.A., and Polanshek, A.** 1975. Culture studies on *Petrocelis cruenta* and *Gigartina stellata* (Rhodophyta) from the North Atlantic. *J. Phycol.* 11. (Suppl.): 17. (Abstr.)
- West, J.A., Polanshek, A.R., and Guiry, M.D.** 1977. The life history in culture of *Petrocelis cruenta* (Rhodophyta) from Ireland. *Br. Phycol. J.* 12: 45-53.
- West, J.A., Polanshek, A.R., and Shevlin, D.E.** 1978. Field and culture studies on *Gigartina agardhii* (Rhodophyta). *J. Phycol.* 14: 416-426.
- Whelan, C.J.** 1974. Production of an inflammatory exudate containing prostaglandins. *J. Pharm. Pharmacol.* 26: 355-356.
- Whistler, R.L., and BeMiller, J.N.** (editors). 1973. *Industrial Gums, Polysaccharides and Their Derivatives*, 2nd edition. Academic, New York.
- Whitaker, D.M., and Carlson, G.P.** 1973. Pharmacological evaluation of an extract from *Eisenia bicyclis*. In *Food Drugs from the Sea Conference, 3rd* (ed. Worthen, L.R.) Marine Technology Society, Washington, D.C. pp. 97-103.
- Whitaker, D.M., and Carlson, G.P.** 1975. Anti-inflammation mechanism of extract from *Eisenia bicyclis* (Kjellman) Setchell. *J. Pharm. Sci.* 64: 1258-1259.
- Whitehouse, M.W.** 1973. Abnormal drug metabolism in rats after an inflammatory insult. *Agents Actions* 3: 312-316.
- Whitehouse, M.W.** 1976. Chronic inflammation cellular events. *Agents Actions* 6: 44-49.
- Wigham, G.D.** 1975. The biology and ecology of *Rissoa parva* (da Costa) [Gastropoda: Prosobranchia]. *J. Mar. Biol. Assoc. U.K.* 55: 45-67.
- Wilkinson, S., Flower, R.J., and Ferreira, S.H.** 1976. Prostaglandin-containing compositions. *German Patent* 2,524,637.
- Williams, D.A., Walz, D.T., and Foye, W.O.** 1976. Synthesis and biological evaluation of tetrakis(acetylsalicylato)-mu-dicopper(II). *J. Pharm. Sci.* 65: 126-128.
- Williams, K., Capstick, R.B., Lewis, D.A., and Best, R.** 1976. Anti-inflammatory actions of dapsone and its related biochemistry. *J. Pharm. Pharmacol.* 28: 555-558.
- Williams, T.J.** 1977. Potentiation of bradykinin-induced exudation following intradermal injection of particulate or colloidal materials in the rabbit: Evidence for prostaglandin release and action in inflammation. *Br. J. Pharmacol.* 60: 291P-292P.
- Williamson, F.B.** 1972. Double helical conformations of sulfated polysaccharides and their potential biological function. *Biochem. J.* 129: 28P. (Abstr.)
- Willoughby, D.A.** 1975. Human arthritis applied to animal models: Towards a better therapy. *Ann. Rheum. Dis.* 34: 471-478.
- Willoughby, D.A., and Dieppe, P.** 1976. Anti-inflammatory models in animals. *Agents Actions* 6: 306-312.
- Willoughby, D.A., Spector, W.G., Huskisson, E.C., Foldi, M., Casley-Smith, J., and Dunn, C.J.** 1978. New types of therapy for the arthropathies and inflammatory disease. *Agents Actions* 8: 166-168.
- Wilson, A.R., Cruickshank, W.J., and Thomson, A.W.** 1976. Restorative effect of poly-2-vinylpyridine N-oxide on humoral immunity in mice treated with the macrophage toxic agent carrageenan. *IRCS Med. Sci., Libr. Compend.* 4: 104.

- Wilson, B.W., Snedden, W., Tham, K.T., and Willoughby, D.A.** 1976. A method for the measurement of ultra low amounts of prostaglandins in inflammatory exudates using gas chromatography and mass spectrometry. *Agents Actions* 6: 176-179.
- Wilson, J.S.** 1978. *The Benthic Marine Algae of the Bay of Fundy, Canada*. B. Sc. Thesis, Acadia University, Wolfville, N.S.
- Wiseman, E.H., Chang, Y.H., and Lombardino, J.G.** 1976. Piroxicam, a novel anti-inflammatory agent. *Arzneim. Forsch.* 26: 1300-1303.
- Wiseman, E.H., Chiaini, J., and McManus, J.M.** 1973. Anti-inflammatory oxindolecarboxanilides. *J. Med. Chem.* 16: 131-134.
- Wittop Koning, D.A.** 1972. Therapeutic agents of sea and beach, a historical review. *Vakbl. Biol.* 52: 313-317. (in Dutch)
- Wolf, G.** 1977. Contribution to the course of enzymic processes in experimental inflamed rat paw tissues. *Arzneim. Forsch.* 27: 542-543. (in German)
- Wolf, S.G.** 1978. Report of workshop on study and review of angiotoxic and carcinogenic sterols in processed food. U.S. NTIS, AD-A061258, 144 pp.
- Wong, D.M., and Herscowitz, H.B.** 1976. Effect of carrageenan on the immune response of mice to thymus independent antigens. *Abstr. Annu. Meet. Am. Soc. Microbiol.* 76: E91.
- Wong, K.F., and Craigie, J.S.** 1978. Sulfohydrolase activity and carrageenan biosynthesis in *Chondrus crispus* (Rhodophyceae) *Plant Physiol.* 61: 663-666.
- Wong, S.** 1975. Pharmacology of tolmetin: 1-Methyl-5-p-toluoylpyrrole-2-acetic acid. *Excerpta Med. Int. Congr. Ser.* 372: 1-22.
- Wong, S., Gardocki, J.F., and Pruss, T.P.** 1973. Pharmacologic evaluation of tolectin (tolmetin, McN-2559) and McN-2891, two anti-inflammatory agents. *J. Pharmacol. Exp. Ther.* 185: 127-138.
- Wood, H.W.** 1972. Antistatic coatings for photographic emulsion layers. U.S. Patent 3,655,384.
- Wozniak, J.** 1972. Rheologic properties of carrageen gels. *Rocz. Panstw. Zakl. Hig.* 23: 283-291. (in Polish)
- Wright, B.B.** 1976. *Analytical Ultracentrifugation of Carrageenan with Computerized Analysis*. Ph.D. Thesis, Ohio State University, Columbus.
- Yamada, S., Mayahara, T., Wakabayashi, K., Maruyama, I., Nakamura, T., Tanaka, M., and Ebine, F.** 1975. Anti-inflammatory and general pharmacological effects of protease elaborated from *Aspergillus melleus*. *Oyo Yakuri* 9: 947-956. (in Japanese)
- Yamagata, S., et al.** 1973. Clinical evaluation of pharmacotherapy for peptic ulcer with antipepsin agents by double blind technique: Multicenter clinical study. *Tohoku J. Exp. Med.* 110: 377-404.
- Yanagi, Y., Awata, H., Koga, Y., Kurokawa, H., and Inukai, T.** 1978. Anti-inflammatory activity of SL-573. *Folia Pharmacol. Jpn.* 74: 749-762. (in Japanese)
- Yanagita, T., Iizuka, H., Shimada, A., and Nakamura, S.** 1976. General pharmacology and antiasthmatic effects of beclomethasone dipropionate in laboratory animals. *Jitchuken Zenrinsho Kenkyuho* 2: 137-147. (in Japanese)
- Yaphe, W.** 1973. Chemistry of carrageenan. *Proc. N.S. Inst. Sci.* 27 (Suppl., *Chondrus crispus*): 103-110.
- Yarotskii, S.V., Shashkov, A.S., and Usov, A.I.** 1977. Analysis of ¹³C-NMR spectra of some red seaweed galactans. *Bioorg. Khim.* 3: 1135-1137. (in Russian)
- Yarotskii, S.V., Shashkov, A.S., and Usov, A.I.** 1978. Polysaccharides of algae. XXV. Use of carbon-13 NMR spectroscopy for the structural analysis of kappa carrageenan group polysaccharides. *Bioorg. Khim.* 4: 745-751. (in Russian)
- Yegnanarayan, R., Saraf, A.P., and Balwani, J.H.** 1976. Comparison of anti-inflammatory activity of various extracts of *Curcuma longa*. *Indian J. Med. Res.* 64: 601-608.

- Yellin, T.O., Buck, S.H., Sperow, J.W., and Reavey-Cantwell, N.H.** 1976. Inhibition of the diarrheal and cardiac actions of arachidonic acid by fenclorac, a new anti-inflammatory agent. *Life Sci.* 19: 1211-1216.
- Yoda, W., Sproat, R., and Siegel, I.A.** 1976. Effects of indomethacin on gingival flow and prostaglandin formation. *J. Dent. Res.* 55: B145. (Abstr.)
- Yokoyama, S., Tanabe, O., Shibata, Y., Oobayashi, A., Ohata, K., and Ichishima, E.** 1975. Kininase and anti-inflammatory activities of acid carboxypeptidase from *Penicillium janthinellum*. *Experientia* 31: 1122-1124.
- Yoshihara, Y., Yamagishi, M., Murota, S., and Tsurufuji, S.** 1974. Cortisol binding protein of carrageenin granuloma in rat. *Connect. Tissue (Japan)* 6: 213-214. (in Japanese)
- Yoshioka, T., Kitagawa, M., Oki, M., Kubo, S., Tagawa, H., Ueno, K., Tsukada, W., Tsubokawa, M., and Kasahara, A.** 1978. Nonsteroidal anti-inflammatory agents. II. Derivatives/analogues of dibenz[b,e]oxepin-3-acetic acid. *J. Med. Chem.* 21: 633-639.
- Yoshizawa, K., Ishikawa, T., Unemoto, F., Kato, H., and Noshiro, K.** 1972. Water pollution in the sake industry. IV. Effective treatment of suspended substances in the polluted water resulting from rice washing. *Nippon Jozo Kyokai Zasshi* 67: 457-461. (in Japanese)
- Youlten, L.J.F., and McCall, E.** 1976. Prostaglandins, complement and cellular migration in carrageenin inflammation. In *Role of Prostaglandins in Inflammation* (ed. Lewis, G.P.) Huber, Bern. pp. 26-33.
- Young, P.R., Dodge, P.W., Carter, G.W., and Kimura, E.T.** 1974. Experimental anti-inflammatory and analgesic studies with 3-trifluoromethyl-5-triazolo (3,4- α)-isoquinoline. *Arch. Int. Pharmacodyn. Ther.* 212: 205-213.
- Youngken, H.W., and Shimizu, Y.** 1975. Marine drugs, chemical and pharmacological aspects. In *Chemical Oceanography, Vol. 4*, 2nd edition (ed. Riley, J.P., and Skirrow, G.) Academic, London, pp. 269-317.
- Yuizono, T., Fukuda, T., Tanizawa, H., Sato, M., and Konishi, S.** 1976. Pharmacological studies of 2-methyl-4-ethoxy-5-morpholino-3(2H) pyridazinone (M-73101). I. Analgesic effect. *Jpn. J. Pharmacol.* 26 (Suppl.): 122P. (Abstr.)
- Yung, Y.P., and Cudkowicz, G.** 1977. Abrogation of resistance to foreign bone marrow grafts by carrageenans. II. Studies with the antimacrophage agents iota-carrageenan, kappa-carrageenan and lambda-carrageenan. *J. Immunol.* 119: 1310-1315.
- Yung, Y.P., and Cudkowicz, G.** 1978. Depressive effects of carrageenans on cell-mediated lympholysis induced in vitro: Antimacrophage and antilymphocyte activities. *J. Reticuloendothel. Soc.* 24: 461-475.
- Yung, Y.P., and Cudkowicz, G.** 1978. Suppression of cytotoxic T lymphocytes by carrageenan-activated macrophage-like cells. *J. Immunol.* 121: 1990-1997.
- Yunoki, K., Matsumoto, M., Shimokawahara, H., Ichiki, T., and Morita, N.** 1973. Inhibition of gastric pepsin in the treatment of gastric ulcer. I. Antiulcerogenic properties of synthetic sulfated polysaccharides. *Acta Med. Univ. Kagoshima* 15: 147-156.
- Yust, I., Wunderlich, J.R., Mann, D.L., and Buell, D.N.** 1973. Cytotoxicity mediated by human lymphocyte dependent antibody in a rapid assay with adherent target cells. *J. Immunol.* 110: 1672-1681.
- Zawilska, K., Giroud, J.P., Timsit, J., and Caen, J.P.** 1973. Platelets and inflammation. I. Quantitative and qualitative modification of rat platelets during an inflammatory process induced by intrapleural injection of carrageenan. *Pathol. Biol.* 21 (Suppl.): 51-56. (in French)
- Zawilska, K., Timsit, J., Giroud, J.P. and Caen, J.P.** 1973. Platelets and inflammation. II. In vitro action of carrageenan on human and rat platelets aggregation. Comparison with the effect of prostaglandin E₂. *Pathol. Biol.* 21 (Suppl.): 57-59. (in French)

- Zinnes, H., Lindo, N.A., Sircar, J.C., Schwartz, M.L., and Shavel, J.** 1973. 1,2-Benzothiazines. VI. 3-Carbamoyl-4-hydroxy-2H-1,2-benzothiazine 1,1-dioxides as anti-inflammatory agents. *J. Med. Chem.* 16: 44-48.
- Zollner, J., and Hommersand, M.H.** 1977. Variation in developmental vegetative anatomy among members of the Gigartinaceae. *J. Phycol.* 13 (Suppl.): 77. (Abstr.)
- Zorn, J.W.** 1974. *Seaweed and Vitality*. Popular Library, New York.
- Zottoli, R.** 1973. *Introduction to Marine Environments*. Mosby, Saint Louis.
- Zsilinszky, E., Lonovics, J., and Gecse, A.** 1973. Anti-inflammatory effect of heptyl esters. *Acta Physiol. Acad. Sci. Hung.* 44: 431. (Abstr.)
- Zurier, R.B., Hoffstein, S., and Weissmann, G.** 1973. Suppression of acute and chronic inflammation adrenalectomized rats by pharmacologic amounts of prostaglandins. *Arthritis Rheum.* 16: 606-618.