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● RADNO ISKUSTVO

1983 – 1986

LUDWIG BOLTZMANN INSTITUT ZA KLINIČKU NEUROBIOLOGIJU, BEČ, AUSTRIJA I TEHNIČKI UNIVERZITET, TEHNIČKA KEMIJA

1986 – 1995

JULIUS MAXIMILIAN UNIVERZITET, MEDICINSKI FAKULTET, KLINIČKA NEUROKEMIJA, WUERZBURG, NJEMAČKA

1995 – 1998

TUFTS UNIVERZITET, HNRC, BOSTON, MA, SAD

1998 – 2002

HSPH, DEPARTMENT OF MOLECULAR AND CELLULAR TOXICOLOGY, HARVARD UNIVERZITET, BOSTON, MA, SAD

2003 – 2011

PRIRODNO-MATEMATIČKI FAKULTET I FARMACEUTSKI FAKULTET UNIVERZITETA U SARAJEVU, BIH

Predbolonjski Dodiplomski studij (PMF) : Biokemija, Kemija makromolekula, Organska i biokemijska analitika.

Predbolonjski Postdiplomski studij (PMF): Kliničke biokemijske metode, Kontrola droga i lijekova.

Predbolonjski i bolonjski dodiplomski studij (Farmaceutski fakultet): Uvod u metodologiju znanstvenog i stručnog rada.

Postdiplomski studij (Farmaceutski fakultet): Odabrana poglavlja farmakognozije

Dodiplomski studij po bolonjskim principima (PMF, I ciklus): Biokemija I, Biokemija II, Bioanalitička hemija, Kemija makromolekula, Organska analiza, Topokemija stanice, Biokemija prehrane, Biokemija lijekova (ksenobiotika), Fizikalna biohemija.

Postdiplomski studij po bolonjskim principima (PMF, II ciklus): Medicinska biokemija, Biokemija prehrane-odabrana poglavlja, Neurokemija, Imunokemija, Separacione metode u organskoj hemiji.

Voditelj postdiplomskog studija na Odsjeku za kemiju PMF-a, Univerziteta u Sarajevu i **Znanstveni Savjetnik na Institutu za Analitičku kemiju Karl-Franzens Univerziteta u Graz-u, Austrija** u suradnji sa Prof. dr. Kurt Kalcher-om.

Mentorstvo:

Doktorske disertacije: 14 na Prirodno-matematičkom fakultetu Univerziteta u Sarajevu

Završni radovi II ciklusa studija: preko 30

Završni radovi I ciklusa studija: preko 80

Znanstvena saopćenja i predavanja: preko 250
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2011 – TRENUTAČNO

PROFESOR EMERITUS NA PRIRODNO-MATEMATIČKOM I FARMACEUTSKOM FAKULTETU UNIVERZITETA U SARAJEVU, BIH

ZNANSTVENI INTERES

Biogeni amini i metaboliti, uloga u CNS. Patobiokemija biogenih amina. Razvitak bioanalitičkih metoda određivanja neurotransmiter supstanci: HPLC-ECD, HPLC-FD i t.d. Analiza receptora. Neurokemijski mehanizmi djelovanja neuropsihofarmaka. Slobodni radikali i njihova uloga u neurodegeneraciji, posebno u Parkinsonovoj i Alzheimerovoj bolesti. Usavršavanje analitičko-kemijskih metoda za mjerenje antioksidativnog kapaciteta tkiva i tjelesnih tekućina (ORAC i druge spektrofluorimetrijske i fotometrijske metode). Enzimi biomarkeri oksidativnog stresa i biomarkeri apoptoze stanica – kaspaze. Prirodni antioksidanti, polifenoli, flavonoidi, antocijanidini i antocijanidinski glikozidi. Odnos strukture i antioksidativnog djelovanja čistih organskih molekula i biomolekula. Eksperimentalni modeli Alzheimer-ove i dijabetes cerebralnih bolesti, aloksan i streptozotocin model. Tau protein. ELISA-assay, aktivnost tirozin kinaze. Encimatski parametri oksidativnog stresa.

Dio znanstveno-istraživačkog rada se obavlja u Odsjeku za kemiju PMF-a Univerziteta u Sarajevu, a dio uz pomoć međunarodne saradnje sa slijedećim Univerzitetima: Julius-Maksimilian Univerzitet, Medicinski fakultet, Klinička neurokemija, Prof. Dr P. Riederer, Wuerzburg, Njemačka; Univerzitet Heidelberg, Medicinski fakultet, Institut za patokemiju i opću neurokemiju, Prof. Dr Siegfried Hoyer, Njemačka; Sveučilište u Zagrebu, Medicinski fakultet, Zavod za farmakologiju i Zavod za istraživanje mozga, Zagreb, Hrvatska, Prof. Dr Z. Lacković, Prof. Dr Melita Šalković; Karl-Franzens Univerzitet, Institut za Analitičku kemiju, Graz, Austrija, Prof. Dr K. Kalcher; Tufts – Univerzitet, Centar za istraživanje hrane i starosti, Boston, MA, SAD, Dr James A. Joseph i Natalia A. Denisova; Anton Proksch Institut, Beč, Austrija, Dr A. Rustembegović; Ludwig Boltzmann Institut za Kliničku neurobiologiju, Bolnica Lainz, Beč, Austrija, Prof. Dr K. Jellinger i Dr I. Wichart.

● **OBRAZOVANJE I OSPOSOBLJAVANJE**

1970

STUDIJ HEMIJE: PMF, UNIVERZITET U SARAJEVU, BIH

1976

MAGISTAR KEMIJSKIH ZNANOSTI IZ OBLASTI MEDICINSKE BIOKEMIJE – Sveučilište u Zagrebu, Hrvatska

1981

SPECIJALIZACIJA IZ MEDICINSKE BIOKEMIJE NA KLINIKAMA MEDICINSKOG FAKULTETA U ZAGREBU I BEČU

1987

STUDIJ FARMACIJE: FBF, SVEUČILIŠTE U ZAGREBU, HRVATSKA; UNIVERZITET U BEČU, AUSTRIJA; BMI, MÜNCHEN, NJEMAČKA

1983 – 1986

DOKTORSKI STUDIJ, TEHNIČKI UNIVERZITET, PRIRODNO-ZNANSTVENI FAKULTET, TEHNIČKA KEMIJA, BEČ, AUSTRIJA

1989

NOSTRIFIKACIJA DOKTORATA KEMIJSKIH ZNANOSTI NA FARMACEUTSKO-BIOKEMIJSKOM FAKULTETU SVEUČILIŠTA U ZAGREBU

- Institut za Medicinsku Biokemiju Medicinskog fakulteta u Beču, Austrija, 1979. (Prof. Dr E. Kaiser i Prof. Dr F. Gabl) TLC i GC - lipida, elektroforeza lipoproteina, imunoglobulini, imunoelektroforeza i radijalna imuno-gel difuzija.
- Institut Kemijske Patologije Queen Charlottes Maternity Hospital, Univerzitet u Londonu, Velika Britanija, 1987. (Prof. Dr M. Sandler) GC-masena spektrometrija kinolinske kiseline u mozgu umrlih od koreje Huntington i Alzheimer-ove bolesti.
- Institut za Medicinsku Kemiju Veterinarskog Univerziteta u Beču, Austrija, 1993. (Prof. Dr Weisser) Analiza α - i β -adrenergičkih receptora u srčanom mišiću i vezivanje karacolola i propranolola na β -adrenergičke receptore

● JEZIČNE VJEŠTINE

Materinski jezik/jezici: BOSANSKI

Drugi jezici: IZVRSNNO POZNAVANJE ENGLESKOG I NJEMAČKOG JEZIKA; A SLUŽI SE FRANCUSKIM I LATINSKIM JEZIKOM

● PROJEKTI

Projekti i kliničke studije

Projekti

- „Korištenje fotolize neutral-crvenog u mjerenju antioksidativnog kapaciteta čistih organskih supstanci, biomolekula i tkivnih homogenata biljnog i životinjskog porijekla“, Ministarstvo obrazovanja i nauke Kantona Sarajevo (2003)
- „Totalni antioksidativni kapacitet različitih regija mozga oboljelih od Parkinsonove i Alzheimerove bolesti“, Federalno Ministarstvo obrazovanja i nauke BiH (2003-2004)
- „Total antioxidant capacity of different regions of brain in Parkinson’s and Alzheimer’s disease“, (DAAD Project, 2003. and 2004.)
- “Antioksidativni kapacitet moždanog tkiva u životinjskom modelu diabetesa i Alzheimerove bolesti i mjerenje antioksidativnog kapaciteta homogenata životnih namirnica” Ministarstvo obrazovanja i nauke Kantona Sarajevo (2005/2006)
- „Experimental models of Alzheimer’s disease and cerebral diabetes related disorders“, (DAAD Project, 2005. and 2006.)
- „Biokemijske promjene lipidno-proteinskog sastava moždanog tkiva u Alzheimerovoj bolesti“, Ministarstvo obrazovanja i nauke Kantona Sarajevo, 2007/2008.
- Antinociceptive activity of botulinum toxin type a: new mechanism of action, new indications (2011-2013)?

Kliničke studije: L-Dopa (Madopar), Akineton, Ritanserin, Cholinergic drug (RS-86), MAO-A-Inhibitoren, MAO-B-Inhibitoren, Moclobemide, Glucocorticoids, MAO-A-Inhibitoren, Brofaromine, Physostigmine, Nifedipine, Benzamide, Competitive NMDA antagonist CPP, Clonidin, Ebixa[®], Tritico, Efectin, Seropram, Seroxat, Gladem, Tresleen, Edronax, Ixel, Topamax, Risperdal, Seroquel, Stablon, Zomig, Neurotop Retard, Zyprexa, Delpral, Campral, Risperdal Consta, Zyprexa[®] Olancapin, Topiramate, Gabapentin, Cipralextalopram.

● MREŽE I ČLANSTVA

Članstvo u znanstvenim društvima

- Društvo Medicinskih Biokemičara Federacije Bosne i Hercegovine
- Farmaceutsko društvo Hrvatske
- Njemačko društvo Biološke Psihijatrije
- Austrijsko društvo Biološke Psihijatrije
- Austrijsko društvo Parkinsonove bolesti
- Austrijsko društvo Alzheimerove bolesti
- Američko Kemijsko društvo
- Tursko Biokemijsko društvo

Član je Znanstvenog savjetodavnog odbora u časopisu *Turkish Journal of Biochemistry*, a u časopisu *Medicinal Plants* član je odbora za uredništvo.

Predložen u Advisory Board od strane Editora neurofarmakološkog časopisa *Journal of Neural Transmission* Prof. Dr. Peter Riederer od 2013. godine.

Organizacija međunarodnih kongresa i članstvo u znanstvenim savjetodavnim odborima (2003-2008):

- I International DAAD- Workshop, Sarajevo, Bosnia and Herzegovina, September, 6-7, 2004
- II International DAAD- Workshop, Sarajevo, Bosnia and Herzegovina, February 9-12, 2006
- 16th International Congress on Parkinson's Disease and Related Disorders. Berlin, Germany, June 5-9, 2005
- 39th Danube Congress for Neurological Sciences and Continuing Education in conjunction with the 1st International Congress on ADHD from childhood to adult disease, Wuerzburg, Germany, June 2-5, 2007
- Under the Auspices of International Federation of Clinical Chemistry, XV Congress of Balcan Clinical Federation – Good Laboratory Management & Praxis, Antalya , Turkey, September 4-7, 2007

● PUBLIKACIJE

Publikacije 1972 - 1986

Sofic E (1972) Neki važniji predstavnici egzaktne misli islamskih naroda u vrijeme Abasida. Preporod 35/ 3:8

Sofic E, Alicelebic S (1972) Dinamika virusnog hepatitisa na općini Gornji Vakuf u vremenu od 1963. do 1975. godine sa komparacijom nekih zdravstveno-statističkih pokazatelja u S.R. Bosni i Hercegovini. Socijalna Medicina 6/75: 539-545

Sofic E (1978) Klinische Chemie von Gernot Peter, Ratgeber des Verlags München 1977.: Buchbesprechung. Medical Archives 32: 419

Kujundzic E, **Sofic E** (1979) Selektivni pregled casopisa vezanih za studije islamskog svijeta na nekim europskim jezicima. Islamska misao I/79 No 7: 26-28

Brücke T, **Sofic E**, Riederer P, Gabriel E, Jellinger K, Danielczyk W (1984) Die Bedeutung der serotonergen Raphe-Cortex-Projection für die Beeinflussung der β -adrenergen Neurotransmission durch Antidepressiva. Neuropsychiatr Clin 3: 249-255

Riederer P, Brücke T, **Sofic E**, Kienzl E, Schnacker K, Schay V, Kruzik P, Killian W, Rett A (1985) Neurochemical Aspect of Rett syndrome. Brain & Development 7: 351-360

Riederer P, Jellinger K, **Sofic E**, Wichart I, Gabriel E (1985) Biochemical and morphological basis of endogenous depression. In: Shagass C, Josiassen RC, Bridger WH, Weis KJ, Stoff D, Simpson GM (eds.) Biological Psychiatry, Elsevier, New York, pp 1184-1186

Riederer P, Brücke T, **Sofic E**, Jellinger K, Gabriel E (1986) Biochemisch-pharmakologische Aspekte des zentralen noradrenergen Systems und ihre mögliche Bedeutung für affektive Erkrankungen. In: W. Schmid-Burgk, W. Koella (ads.). Neue Aspekte der Therapie mit Antidepressiva. Gustav Fischer Verlag, Stuttgart, New York, pp 51-67

Brücke T, Danielczuk W, Simanyi M, **Sofic E**, Riederer P (1985) Terguride: Partial dopamine agonist in the treatment of Parkinson's disease. In: M.D. Yahr and K.J. Bergman (ads.) Advances in Neurology. Raven Press, New York, Vol 45, pp 573-576

Riederer P, Konradi C, Schay V, Kienzl E, Birkmayer G, Danielczuk W, **Sofic E**, Youdim MBH (1986) Localisation of MAO-B in human brain: A step in understanding the therapeutic action of L-deprenyl. In: M.D. Yahr and K.J. Bergmann (ads.) Advances in Neurology. Raven Press, New York, Vol 45, pp 111-118

Riederer P, **Sofic E**, Konradi C (1986) Neurobiochemische Aspekte zur Progression der Parkinson-Krankheit: Post-mortem-Befunde und MPTP-Modell. In: P.A. Fischer, Spätsynndrome der Parkinson-Krankheit, Editiones Roche, Basle, pp 37-48

Riederer P, **Sofic E**, Rausch WD, Kruzik P, Youdim MBH (1986) Dopaminforschung heute und morgen-L-DOPA in der Zukunft. In: Riederer P, Umek H. (eds) L-DOPA-Substitution der Parkinson-Krankheit. Springer, Wien, New York, pp 127-144

Riederer P, Strolin Benedetti M, Dostert P, **Sofic E**, Heuschneider G, Guffroy C (1987) Do glutathione and ascorbic acid play a role in the neurotoxicity of 1-methyl-4-phenyl-1.2.3.6-tetrahydropyridine (MPTP)? In: *Pharmacologica et Toxicologica* Vol. 60, Suppl. 1,39,Nordic Pharmacological Society

Sofic E, Riederer P, Killian W, Rett A (1987) Reduced concentrations of ascorbic acid and glutathione in a single case of Rett syndrome. A postmortem brain study. *Brain & Development* 9: 529-531

Brücke T, **Sofic E**, Killian W, Rett A, Riederer P (1987) Reduced concentrations and increased metabolism of biogenic amines in a single case of Rett syndrome. A postmortem brain study. *J Neural Transm* 68: 315-324

Kruzik P, **Sofic E**, Riederer P, Gabriel E (1987) Biochemical aspects of dysphoria: Case study for hypothesis generation. *Psychopathology* 20: 120-127

Auff E, Birkmayer W, Brücke T, Deecke L, Emich C, Goldenberg G, Hirsch E, Maly J, Müller C, Pözl G, Riederer P, **Sofic E**, Schnaberth G (1987) Ritanserin in the treatment of tremor-dominant Parkinson's disease: A preliminary study. *New Trends in Clinical Neuropharmacology*, Vol 1. No 3. pp 149-158

Sofic E, Moll G, Riederer P, Jellinger K, Gabriel E (1988) Monoaminerge Läsionen bei seniler Demenz vom Alzheimer Typ (SDAT): vorläufige Befunde. In: Beckmann H, Laux G (eds.) *Biologische Psychiatrie. Synopsis 1986/1987*. Springer, Berlin etc, pp 151-157

Sofic E, Riederer P, Heinsen H, Beckmann H, Reynolds GP, Habenstreit G, Youdim MBH (1988) Increased iron (III) and total iron content in postmortem substantia nigra of parkinsonian brain. *J Neural Transmission* 74: 199-205

Riederer P, Rausch WD, Schmidt B, Kruzik P, Konradi C, **Sofic E**, Danielczuk W, Fisher M, Ogris E (1988) Biochemical fundamentals of Parkinson's disease. *Mount Sinai J Med* 55: 21-28

Fritze J, **Sofic E** (1988) Anhedonie: Folge cholinergischer Überaktivität? *Psychiatrie* 14: 322-324

Fritze J, **Sofic E**, Riederer P, Beckmann H (1988) Endocrine parameters and biogenic amines in relationship to psychopathology after cholinergic drug challenge (RS-86). *Psychiatry Research* 25: 339-348

Becker T, Laux G, **Sofic E**, Riederer P, Beckmann H (1988) Schizophrene Psychose bei einer Patienten mit Gilles de la Tourette Syndrom. *Nervenarzt* 59: 616-620

Riederer P, **Sofic E**, Heuschneider G, Margherita Strolin Benedetti, Dostert Ph (1988) Secondary (toxic) parkinsonism as model of Parkinson's disease. *Functional Neurology* 3(4): 449-457

Riederer P, **Sofic E**, Rausch WD, Schmidt B, Reynolds GP, Jellinger K, Youdim MBH (1989) Transition metals, ferritin, guthatione, and ascorbic acid in parkinsonian brains. *J Neurochemistry* 52: 515-520

Riederer P, **Sofic E**, Rausch WD, Hebenstreit G, Bruinvels J (1989) Patobiochemistry of the extrapyramidal system: a "short note" review. In: Przuntek H. And Riederer P. (eds.) Early diagnosis and preventive therapy in Parkinson's disease Springer-Verlag, Wiem, New York, pp 139-149

Riederer P, **Sofic E**, Rausch WD, Hebenstreit G (1989) Tyrosine hydroxylase, dopamine and energy metabolism: Role in Parkinson's disease and aging. In: Donald B. Calne et al. Raven Press, Ltd. New York, Vol. 26, pp 69-77

Laux G, **Sofic E**, Riederer P, Becker T, Lesch KP, Baumgarten F, Struck M (1989) Katecholaminkonzentrationen in Liquor und Plasma Depressiver unter der Behandlung mit selektiven reversiblen MAO-A-Inhibitoren. In: Saletu B. (Hrsg.) Biologische Psychiatrie, Georg Thieme Verlag Stuttgart New York, pp 154-157

Sofic E, Halket J, Przyborowska A, Riederer P, Beckmann H, Sandler M, Jellinger K (1989) Brain quinolinic acid Alzheimer's dementia. *Neural Transm (P-Dsect)* 1:133

Sofic E, Fritze J, Schnaberth G, Bruck J, Riederer P (1989) Biogenic amines and their metabolites in neurodegenerative disease. *J Neural Transm* 1: 131-132

Sofic E, Burger R, Riederer P, Beckmann H, Heinsen H, Hebenstreit G, Maurer K (1989) The reflection of multiple biochemical deficits in nucleus basalis of Meynert of Alzheimer brains to differential scanning thermograms. *J Neural Transm (P-Dsect)* 1: 134

Fritze J, Laux G, **Sofic E**, Koronakis P, Schoerlin MP, Riederer P, Beckmann H (1989) Plasma moclobemide and metabolites: lack of correlation with clinical response an biogenic amines. *Psychopharmacology* 99: 252-256

Sofic E, Halket J, Przyborowska A, Riederer P, Beckmann H, Sandler M, Jellinger K (1989) Brain quinolinic acid in Alzheimer's dementia. *Eur Arch Psychiatr Neurol Sci* 239: 177-179

Rupprecht R, Rupprecht M, Rupprecht C, **Sofic E**, Barocka A, Beck G, Noder M, Riederer P (1989) Effect of glucocorticoids on plasma catecholamines in depression. *Psychiatry Research* 29: 187-198

Riederer P, Frölich L, Moll G, Konradi C, **Sofic E** (1989) Neurobiological findings in senile dementia. In: Organic brain disorders (eds) K. Maurer RJ, Wurtmann, Vieweg Verlag, pp 1-7

Riederer P, **Sofic E**, Konradi C, Dietl M, Moll G (1989) The role of brain dopamine. In: Flückiger E, Müller M.O. Thorner (eds.) Basic and Clinical Aspect of Neuroscience. Vol 3. pp 1-17

- Fritze J, **Sofic E**, Lanczik M, Pfüller H, Riederer P (1990) Adrenerg-cholinerge Gleichgewichtshypothese affektiver Psychosen. In: Affektive Psychosen (eds.) E. Ligershausen, W.P. Kaschka, R.J. Witkowski, Stuttgart, New York, pp 132-136
- Fritze J, **Sofic E**, Pfüller H, Lanczik M, Riederer P (1990) Adrenergic-cholinergic imbalances: the physostigmine-syndrome is not antagonized by the MAO-A-inhibitor brofaromine. *European Neuropsychopharmacology* 1: 21-25
- Fritze J, **Sofic E**, Pfüller H, Lanczik M, Riederer P (1990) Brofaromine does not antagonize the physostigmine-syndrome. *Pharmacopsychiatry* 22: 197-198
- Sofic E**, Fritze J, Schnaberth G, Bruck J, Riederer P (1990) Neurodegenerative Diseases: CSF Amines, Lactate and Clinical Findings. In: Alzheimer's Disease, Epidemiology, Neuropathology, Neurochemistry and Clinics, Springer Verlag, Wien New York, K. Maurer, Riederer P. And Beckmann H. (eds) pp 305-311
- Riederer P, **Sofic E**, Moll G, Freyberger A, Wichart I, Gsell W, Jellinger K, Hebenstreit G, Youdim MBH (1990) Senile dementia of Alzheimer's type and Parkinson's disease: Neurochemical overlaps and specific differences. In: Dostert P, Riederer P, Strolin Benedetti M, and Roncucci R. (eds) Early Markers in Parkinson's and Alzheimer's Diseases. Springer-Verlag, Vienna, New York; 1:221-232
- Sofic E**, Götz M, Frölich L, Burger R, Heckers S, Riederer P, Jellinger K, Beckmann H (1990) Reflection of changes in membrane constituents in various regions of Alzheimer's brains to differential scanning thermograms. *J Neural Transm (Suppl)* 32: 259-267
- Fritze J, Becker T, Ziegler V, Laux G, Bieck P, **Sofic E**, Riederer P (1990) Brofaromine (CGP 11 305 A): Estimation of plasma concentrations by biologic technique as compared to liquid chromatography. *J Neural Transm (Suppl)* 32: 197-201
- Kienzl E, Eichinger K, **Sofic E**, Jellinger K, Riederer P, Kuhn W, Fuchs G, Laux G (1990) Urinary dopamine sulfate: regulation and significance in neurological disorders. *J Neural Transm (Suppl)* 32: 471-479
- Laux G, Becker T, Classen W, Lesch KP, **Sofic E**, Riederer P, Beckmann H (1990) Clinical, biochemical and psychometric findings with the new MAO-A-inhibitors moglobemide and brofaromine in patients with major depressive disorder. *J Neural Transm (Suppl)* 32: 189-195

Sofic E, Paulus W, Jellinger K, Riederer P, Youdim MBH (1991) Selective increase of iron in substantia nigra zona compacta of Parkinsonian brains. *J Neurochemistry* 56: 976-982

Achilli G, **Sofic E** (1990) Comparison of two human brain areas in controls and senile dementia of Alzheimer type measuring 32 neurochemicals using CEAS. Analytical report produced by ESA-CAES, ESA, 34 Wiggins Av, Badford, MA, USA

Sofic E, Riederer P, Burger R, Gsell W, Heuschneider G (1991) Determination of glutathione disulfide, ascorbic and dehydroascorbic acid in tissues by reversed phase liquid chromatography with electrochemical detection. *Fresenius J Anal Chem* 339: 258-260

Fritze J, **Sofic E**, Müller T, Pfüller H, Lanczik M, Riederer P (1990) Cholinergic-Adrenergic Balance: Part 1. Relationship between central and peripheral sensitivities. *Psychiatry Research* 34: 259-270

Fritze J, **Sofic E**, Müller T, Pfüller H, Lanczik M, Riederer P (1990) Cholinergic-Adrenergic Balance: Part 2. Relationship between drug sensitivity and personality. *Psychiatry Research* 34: 271-279

Gavranovic M, Müller T, **Sofic E**, Bilalbegovic Z (1990) Effects of anticonvulsants and calcium antagonists on intractable epilepsy. *Zentralblatt Neurologie Psychiatrie* 255. Band, 3-4, pp 223

Riederer P, Jellinger K, **Sofic E**, Paulus W (1990) Biochemical and pharmacological aspects of Parkinson's disease. *Clinical Neuropharmacology* Vol 13, Suppl 2, Raven Press, New York, pp 43-44

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Sofic E, Riederer P, Burger R, Frölich L (1990) Trials for the use differential scanning calorimetry in neuroscience. *Periodicum Biologorum*, Vol 92, No 4, pp 437-438

Riederer P, Gsell W, Moll G, **Sofic E**, Reichmann H, Freyberger A, Götz M, Heckers S, Heinsen H, Beckmann H, Jellinger K, Hebenstreit G (1990) Pathobiochemical aspects of Parkinson's disease and dementia of Alzheimer type. *Basic Clinical and Therapeutic aspect of Alzheimer's Diseases*, Vol I, 157-163 Edited by T. Nagatsu et al., Plenum Press New York

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