

Capitole în publicații internaționale:

1. *Progress in Brain Research, Volume 258 - Neuropharmacology of Neuroprotection*, edited by Hari Shanker Sharma, Aruna Sharma, **Chapter 1 – Concussive head injury exacerbates neuropathology of sleep deprivation: Superior neuroprotection by co-administration of TiO₂-nanowired cerebrolysin, alphamelanocyte-stimulating hormone, and mesenchymal stem cells**, Sharma A, Muresanu DF, Sahib S, ..., Sharma HS, published by ACADEMIC PRESS – ELSEVIER, 2020, ISSN 0079-6123, ISBN: 978-0-12-820813-7, pp. 1-77
2. *Progress in Brain Research, Volume 258 - Neuropharmacology of Neuroprotection*, edited by Hari Shanker Sharma, Aruna Sharma, **Chapter 3 - Co-administration of TiO₂-nanowired DL-3- n-butylphthalide (DL-NBP) and mesenchymal stem cells enhanced neuroprotection in Parkinson’s disease exacerbated by concussive head injury**, Feng N, Sharma A, Wang Z, Feng L, Muresanu DF, ..., Sharma HS, published by ACADEMIC PRESS – ELSEVIER, 2020, ISSN 0079-6123, ISBN: 978-0-12-820813-7, pp. 101-155
3. *Progress in Brain Research, Volume 258 - Neuropharmacology of Neuroprotection*, edited by Hari Shanker Sharma, Aruna Sharma, **Chapter 4 – Mild traumatic brain injury exacerbates Parkinson’s disease induced hemeoxygenase-2 expression and brain pathology: Neuroprotective effects of co-administration of TiO₂ nanowired mesenchymal stem cells and cerebrolysin**, Sharma A, Muresanu DF, Castellani RJ, ..., Sharma HS, published by ACADEMIC PRESS – ELSEVIER, 2020, ISSN 0079-6123, ISBN: 978-0-12-820813-7, pp. 157-231
4. *Progress in Brain Research, Volume 258 - Neuropharmacology of Neuroprotection*, edited by Hari Shanker Sharma, Aruna Sharma, **Chapter 5 – Protein kinase inhibitors in traumatic brain injury and repair: New roles of Nanomedicine**, Sharma SH, Sahib S, Tian ZR, Muresanu DF, Nozari A, Castellani RJ, Lafuente RJ, Wiklund L, Sharma A, published by ACADEMIC PRESS – ELSEVIER, 2020, ISSN: 0079-6123, ISBN: 978-0-12-820813-7, pp. 233-283
5. *Progress in Brain Research, Volume 258 - Neuropharmacology of Neuroprotection*, edited by Hari Shanker Sharma, Aruna Sharma, **Chapter 6 – Diabetes exacerbates brain pathology following a focal blast brain injury: New role of a multimodal drug cerebrolysin and nanomedicine**, Muresanu DF, Sharma A, Sahib S, ..., Sharma HS, published by ACADEMIC PRESS – ELSEVIER, 2020, ISSN 0079-6123, pp. 285-367
6. *Progress in Brain Research, Volume 258 - Neuropharmacology of Neuroprotection*, edited by Hari Shanker Sharma, Aruna Sharma, **Chapter 9 – Cerebrolysin enhances spinal cord conduction and reduces blood-spinal cord barrier breakdown, edema formation, immediate early gene expression and cord pathology after injury**, Sahib S, Sharma A,

- Menon PK, **Muresanu DF**, Sharma HS, published by ACADEMIC PRESS – ELSEVIER, 2020, ISSN 0079-6123, ISBN: 978-0-12-820813-7, pp. 397-438
7. *NEW THERAPEUTIC STRATEGIES FOR BRAIN EDEMA AND CELL INJURY, Book Series: International Review of Neurobiology - 146*, 2019, **5-Hydroxytryptophan: A precursor of serotonin influences regional blood-brain barrier breakdown, cerebral blood flow, brain edema formation, and neuropathology**, Sharma A, Castellani RJ, Smith MA, **Muresanu DF**, Dey PK, Sharma HS, ISSN: 0074-7742, ISBN: 978-0-12-816754-0, pp. 1-44
 8. *NEW THERAPEUTIC STRATEGIES FOR BRAIN EDEMA AND CELL INJURY, Book Series: International Review of Neurobiology - 146*, 2019, **Anesthetics influence concussive head injury induced blood-brain barrier breakdown, brain edema formation, cerebral blood flow, serotonin levels, brain pathology and functional outcome**, ISSN: 0074-7742, ISBN: 978-0-12-816754-0, pp. 45-81
 9. *NEW THERAPEUTIC STRATEGIES FOR BRAIN EDEMA AND CELL INJURY, Book Series: International Review of Neurobiology - 146*, 2019, **Exacerbation of blood-brain barrier breakdown, edema formation, nitric oxide synthase upregulation and brain pathology after heat stroke in diabetic and hypertensive rats. Potential neuroprotection with cerebrolysin treatment**, **Muresanu DF**, Sharma A, Patnaik R, Menon PK, Mossler H, Sharma HS, ISSN: 0074-7742, ISBN: 978-0-12-816754-0, pp. 83-102
 10. *NEW THERAPEUTIC STRATEGIES FOR BRAIN EDEMA AND CELL INJURY, Book Series: International Review of Neurobiology - 146*, 2019, **Neuroprotective effects of a potent bradykinin B2 receptor antagonist HOE-140 on microvascular permeability, blood flow disturbances, edema formation, cell injury and nitric oxide synthase upregulation following trauma to the spinal cord**, Sharma HS, Feng LY, **Muresanu DF**, Castellani RJ, Sharma A, ISSN: 0074-7742, ISBN: 978-0-12-816754-0, pp. 103-152
 11. *NEW THERAPEUTIC STRATEGIES FOR BRAIN EDEMA AND CELL INJURY, Book Series: International Review of Neurobiology - 146*, 2019, **Potential of spinal cord conduction and neuroprotection following nanodelivery of DL-3-n-butylphthalide in titanium implanted nanomaterial in a focal spinal cord injury induced functional outcome, blood-spinal cord barrier breakdown and edema formation**, Sahib S, Niu F, Sharma A, Feng LY, Tian ZR, **Muresanu DF**, Nozari A, Sharma HS, ISSN: 0074-7742, ISBN: 978-0-12-816754-0, pp. 153-188
 12. *Progress in Brain Research, Volume 245 – Nanoneuroprotection and Nanoneurotoxicology*, edited by Hari Shanker Sharma, Aruna Sharma, **Chapter 1 – Sleep deprivation exacerbates concussive head injury induced brain pathology: Neuroprotective effects of nanowired delivery of cerebrolysin with α -melanocyte-stimulating hormone**, Aruna Sharma, **Dafin F. Muresanu**, Asya Ozkizilcik, Z. Ryan Tian, Jose Vicente Lafuente, Igor Manzhulo, Herbert Mössler, Hari Shanker Sharma,

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 14. *Progress in Brain Research, Volume 245 – Nanoneuroprotection and Nanoneurotoxicology*, edited by Hari Shanker Sharma, Aruna Sharma, **Chapter 5 – Nanowired delivery of cerebrolysin with neprilysin and p-Tau antibodies induces superior neuroprotection in Alzheimer’s disease**, Hari Shanker Sharma, **Dafin F. Muresanu**, Rudy J. Castellani, Ala Nozari, Jose Vicente Lafuente, Z. Ryan Tian, Asya Ozkizilcik, Igor Manzhulo, Herbert Mössler, and Aruna Sharma, published by ACADEMIC PRESS – ELSEVIER, 2019, ISBN: 978-0-444-64208-0, ISSN: 0079-6123, pp. 145-200 (303 pages)
 15. *Progress in Brain Research, Volume 245 – Nanoneuroprotection and Nanoneurotoxicology*, edited by Hari Shanker Sharma, Aruna Sharma, **Chapter 6 – Nanodelivery of cerebrolysin reduces pathophysiology of Parkinson’s disease**, Asya Ozkizilcik, Aruna Sharma, Jose Vicente Lafuente, **Dafin F. Muresanu**, Rudy J. Castellani, Ala Nozari, Z. Ryan Tian, Herbert Mössler, and Hari Shanker Sharma, published by ACADEMIC PRESS – ELSEVIER, 2019, ISBN: 978-0-444-64208-0, ISSN: 0079-6123, pp. 201-246 (303 pages)
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 18. *Drug and Gene Delivery to the Central Nervous System for Neuroprotection – Nanotechnological Advances*, editors: Hari S. Sharma, **Dafin F. Muresanu**, Aruna Sharma, **Chapter 5 – Sleep Deprivation Induced Blood-Brain Barrier Breakdown and Brain Pathology. Neuroprotective Effects of TiO₂-Nanowired Delivery of Cerebrolysin and Ondansetron**, Aruna Sharma, **Dafin F. Muresanu**, Jose Vicente Lafuente, Asya

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