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PhD in Addiction Studies

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Achievements:

Row	Achievement
1	Winning a group gold medal in the 16th National Olympiad, Entrepreneurship and Technological Business among Medical Sciences Universities, September 1403 in Tehran
2	Winning first place as the best provincial researcher in 1403 in Ardabil Province
3	Outstanding researcher in the country, Brilliant Talent, 1403

Grant:

Row	Achievement	Project title	Responsibility in the project
1	Insf	Analysis of cellular changes including mitochondrial and lysosomal dysfunction, antioxidant capacity, oxidative stress, and apoptosis in lymphocytes isolated from methadone users	PI

2	nimad	A Novel Approach of Mitochondrial Transplantation as a Therapeutic Strategy to Reduce Methamphetamine Dependence and Ameliorate Behavioral and Biochemical Dysfunctions in Rats: A Controlled Experimental Study	PI
3	insf	Evaluation of mitochondrial transplantation in inhibiting aging and improving tissue function in a rat model.	CI

Published articles:

Name of the publication	Article title	Row
Journal of Molecular Histology	Direct exposure with exogenous mitochondria reduce colistin-induced mitochondrial dysfunction and cellular damages in isolated rat renal proximal tubular cells	.۱
Peptides	Erythropoietin improves spatial and nonspatial memory defects by suppressing oxidative damage, inflammation and apoptosis against ethanol neurotoxicity in the developing male rat hippocampus	.۲
Journal of Ardabil University of Medical Sciences	Pretreatment with Chrysin Reduces Ifosfamide-Induced Acute Nephrotoxicity in Male Rats through Mitochondrial Protection	.۳
Journal of Studies on Alcohol and Drugs	Protective Role of Ellagic Acid Against Ethanol-Induced Neurodevelopmental Disorders in Newborn Male Rats: Insights into Maintenance of Mitochondrial Function and Inhibition of Oxidative Stress	.۴
Journal of Studies on Alcohol and Drugs	Hesperidin Protects Alcohol-induced Mitochondrial Abnormalities via the Inhibition of Oxidative Stress and MPT Pore opening in Newborn Male Rats as Fetal Alcohol Syndrome Model	.۵

Toxicology and Industrial Health	Antioxidants and mitochondrial/lysosomal protective agents reverse toxicity induced by titanium dioxide nanoparticles on human lymphocytes	.۱
Naunyn-Schmiedeb erg's Archives of Pharmacology	<u>Maintenance of mitochondrial function by sinapic acid protects against tramadol-induced toxicity in isolated mitochondria obtained from rat brain</u>	.۲
Drug and Chemical Toxicology	<u>Hesperidin via maintenance of mitochondrial function and antioxidant activity protects lithium toxicity in rat heart isolated mitochondria</u>	.۳
BMC Pharmacology and Toxicology	<u>Vanillic acid alleviates methamphetamine-induced mitochondrial toxicity in cardiac mitochondria via antioxidant activity and inhibition of MPT Pore opening: an in-vitro study</u>	.۴
Toxicology Reports	<u>Pretreatment of ellagic acid protects ifosfamide-induced acute nephrotoxicity in rat kidneys: A mitochondrial, histopathological and oxidative stress approaches</u>	.۵
Drug and Chemical Toxicology	<u>Selenium and L-carnitine protects from valproic acid-Induced oxidative stress and mitochondrial damages in rat cortical neurons</u>	.۶
Inorganic and Nano-Metal Chemistry	<u>Overview of the application of inorganic nanomaterials in breast cancer diagnosis</u>	.۷
International Journal of Preventive Medicine	<u>The association of opioid use disorder and COVID-19, a longitudinal study</u>	.۸
Iranian journal of psychiatry	<u>Lapse and Relapse Rates in Narcotics Anonymous versus Methadone Maintenance Treatment: A 12-Month Prospective Study</u>	.۹

Journal of Biochemical and Molecular Toxicology	<u>Celecoxib decreases mitochondrial complex IV activity and induces oxidative stress in isolated rat heart mitochondria: An analysis for its cardiotoxic adverse effect</u>	.10
<u>Human and Experimental Toxicology</u>	<u>Reduction of doxorubicin-induced cytotoxicity and mitochondrial damage by betanin in rat isolated cardiomyocytes and mitochondria</u>	.11
Human and Frontiers in Pharmacology	Antioxidant Potential and Inhibition of Mitochondrial Permeability Transition Pore by Myricetin Reduces Aluminium Phosphide-Induced Cytotoxicity and	.12
<u>Toxin Reviews</u>	<u>Exposure to 4-methylimidazole as a food pollutant induces neurobehavioral toxicity in mother and developmental impairments in the offspring</u>	.13
<u>Toxin Reviews</u>	<u>Mephedrone as a new synthetic amphetamine induces abortion, morphological alterations and mitochondrial dysfunction in mouse embryos</u>	.14
<u>Naunyn-Schmiedeberg's Archives of</u>	Thymoquinone reduces mitochondrial damage and death of cardiomyocytes induced by clozapine	.15
<u>Pesticide Biochemistry and Physiology</u>	<u>Calcitriol attenuates the cytotoxicity induced by aluminium phosphide via inhibiting mitochondrial dysfunction and oxidative stress in rat isolated cardiomyocytes</u>	.16
<u>Endocrine, Metabolic and Immune</u>	<u>Pathogenic mechanisms and therapeutic implication in nickel-induced cell damage</u>	.17
<u>International Journal of Toxicology</u>	<u>Mesalazine Induces Oxidative Stress and Cytochrome c Release in Isolated Rat Heart Mitochondria: An Analysis of Cardiotoxic Effects</u>	.18
international pharmacy acta	Clozapine-induced Toxicity via Induction of Oxidative Stress and Mitochondrial Dysfunction in Human Blood Lymphocytes and Protecting role of L-Carnitine	.19

Pharmaceut	Applying Nanoparticles in the Treatment of Viral Infections and Toxicological Considerations	.۲۰
<u>Human and Experiment al Toxicology</u>	<u>Mitochondrial and lysosomal protective agents ameliorate cytotoxicity and oxidative stress induced by cyclophosphamide and methotrexate in human blood lymphocytes</u>	.۲۱

Book:

Publisher	Date	Book title	Row
Springer US	2024	Teratogenic Effects of Drugs on Primary Lymphocytes Assessed by Flow Cytometry	
Academic Press	2024	Curcumin for protecting mitochondria and downregulating inflammation	۱
Academic Press	2021	Mitochondrial Metabolism: - Ψ Mitochondrial response to environmental toxicants	۲

Skills::

skill title	Row
Cross-sectional and Longitudinal Studies (Cohort)	1
Learning and Memory Tests such as: Novel Object Recognition, Object-Location Memory Task, Morris Water Maze Shuttle Box, Elevated Plus Maz	2
Tissue Perfusion and Fixation Steps in Laboratory Animals	3
Measurement of Mitochondrial Parameters in Brain Tissue	4

Parameters of Inflammatory Factors and Oxidative Stress	5
Prism, EndNote and SSPS Software	6

Certificates:::

Certificate Type	Row
ICDL	1
Tolimo Assessment Organization, (535) Tolimo Score	2
Tissue Perfusion and Fixation Steps in Laboratory Animals	3
Measurement of Mitochondrial Parameters in Brain Tissue	4
Parameters of Inflammatory Factors and Oxidative Stress	5
Prism, EndNote and SSPS Software	6