Curriculum Vitae
Fakhrul Islam, Ph.D.
Professor

I. BIOGRAPHICAL INFORMATION

A. PERSONAL

Home Address:	B-9, Noor Manzil Complex, Dodhpur, Aligarh 202002, UP, India
Home Phone:	+91-571-2505973
Business Address:	Department of Pharmacology, Faculty of Pharmacy, Jazan University, Kingdom of Saudi Arabia
Business Phone:	+966548859843
Business Fax:	+96673217440
Email:	drfislam@gmail.com or fislam2001@yahoo.co.in

Birth Date:	May 1, 1950
Birth Place:	Azamgarh, UP, India
Citizenship:	Indian
Spouse:	Nishat Islam
Children:	Mr. Fahad Islam Miss Farah Islam Mr. Faraz Islam

B. WHO'S WHO IN THE WORLD

The USA based **"Marquis Who's Who in the World"** has selected me for the publication of my biography in the issue of 2011.

C. PATENT

1. **Formulation of polymeric nanocurcumin and its protective role on cerebral ischemia (Submitted for the Patent).**

D. EDUCATION

Ph.D.	Neurochemistry/Chemistry, 1981 Interdisciplinary Brain Research Center, J.N. Medical College, A.M.U. Aligarh, 202002, UP, India & Department of Chemistry, Aligarh Muslim University, Aligarh,202002, UP, India
M.Phil.	Neurochemistry/Chemistry, 1979 Interdisciplinary Brain Research Center, J.N. Medical College, A.M.U. Aligarh, 202002, UP, India & Department of Chemistry, Aligarh Muslim University, Aligarh,202002, UP, India
M.Sc.	Chemistry, 1975 Department of Chemistry, Aligarh Muslim University, Aligarh,202002, UP, India

D. ACADEMIC APPOINTMENTS AND POSITIONS

CURRENT POSITION

2010-present	Department of Pharmacology, Faculty of Pharmacy, Jazan University, Gizan, Kingdom of Saudi Arabia	**Professor**

PAST POSITIONS

2009-2010	Department of Medical Elementology and Toxicology, Jamia Hamdard (Hamdard University) New Delhi 110062	**Professor**
2003-2009	Department of Medical Elementology and Toxicology, Jamia Hamdard (Hamdard University) New Delhi 110062	**Associate Professor**
1994-2003	Department of Medical Elementology and Toxicology, Jamia Hamdard (Hamdard University), Hamdard Nagar, New Delhi 110062	**Assistant Professor**
1991-1994	Interdisciplinary Brain Research Center, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh 202002	**Scientist Pool**

HONORS AND AWARDS

1976-1985	Junior and Senior Research Fellow and Research Associate of University Grants Commission & Indian Council of Medical Research at Interdisciplinary Brain Research Center, J.N. Medical College, A.M.U. Aligarh, India
1985-1987	PDF IBRO-INSERM (International Brain Research Organization-Institute National de la Sante et de la Recherche Medicale), Centre

de Neurochimie du CNRS, Strasbourg CEDEX, France

1987-1987 PDF Takeda Science Foundation Osaka, Japan with the collaboration of Hayashi Bioinformation Transfer Project, Research Development Corp. of Japan, Nishioji-Hachijo Sagaru Minami-ku, Kyoto, Japan.

1987-.1988 Scientist, Hayashi Bioinformation Transfer Project Res. Development Corporation of Japan, Exploratory Research for Advance Technology (ERATO), Osaka Bioscience Institute 6-2-4 Furuedai, Suita, Osaka, Japan.

1988-1989 PDF Osaka Bioscience Institute, 6-2-4 Furuedai, Suita, Osaka, Japan

1989-1991 PDF Japanese Science and Technology Agency 6F, Port One Bldg., Osaka Bioscience Institute 6-2-4 Furuedai, Suita, Osaka, Japan,.

E. PROFESSIONAL SOCIETIES

1. International Brain Research Organization (IBRO).
2. International Society for Neurochemistry (ISN).
3. Society for Neuroscience (SfN).
4. Indian Academy of Neurosciences.
5. Society of Toxicology, India.
6. Indian Sleep Research Society.

II. PROFESSIONAL ACTIVITIES. (Reviewer of the following International Journals and Ph.D. Theses at National Level)

S.No.	JOURNALS
1.	Food and Chemical Toxicology
2.	Basic and Clinical Pharmacology and Toxicology
3.	Toxicology and Environmental Chemistry
4.	Cell Biology International
5.	Pharmacology Biochemistry and Behaviour
6.	J. Ethnopharmacology
7.	J. Medicinal Food
8.	Life Science
9.	The European Journal of Pharmacology
10.	Pharmacology Research
11.	Toxicology and Environmental Chemistry
12.	Biological Trace Element Research
13.	Neurotoxicity Research
14.	African J of Pharmacy and Pharmacology
15.	International J of Biomedical Science
16.	Biologia, section Cellular and Molecular Biology
17.	Nanotoxicology

REVIEWER OF THE FOLLOWING Ph.D. THESES

No.		DETAILS OF Ph.D. THESES
1.	Title	Pollution studies on Western Yamuna canal and Yamuna river: Ph.D. in Chemistry.
	Name of candidate	Mr. Dharmender Kumar
	Name of University	Jamia Millia Islamia, Department of Chemistry, New Delhi.
	Ph.D.	Chemistry
2.	Title	Functional restoration in rat model of Parkinson's disease using fetal neural cells: cotransplantation with paraneural cells from long term viability. Ph.D. in Biochemistry.
	Name of candidate	Mr. Shubha Shukla
	Name of University	Jiwaji University, School of Studies in Biochemistry, Gwalior, MP.
	Ph.D.	Biochemistry
3.	Title	Prediction of acute toxicity (LD-50) of drugs/compounds by invitro methods. Ph. D. in Biosciences.
	Name of candidate	Ms. Shahnaz Akhtar
	Name of University	Jamia Millia Islamia, Department of Biosciences, New Delhi
	Ph.D.	Biosciences
4.	Title	Study of neuroprotective effect of an Ayurvedic prapration using a model of ischemia induced neuronal cells.
	Name of candidate	Mr. Ravindra M Satpute
	Name of University	RTM Nagpur University, Biochemical Research Lab., Central India Institute of Medical Sciences, Nagpur, Maharastra.
	Ph.D.	Biochemistry

III. FIELD OF SPECIALIZATION:

1. Neurotoxicity biomarker enzymes, neurotransmitters and their receptors. CNS active drugs, chemicals, herbal extracts, their active principles, nanoparticles drugs delivery etc.
2. Lipids, lipid enzymes, reactive oxygen species and oxidative stress parameters. Liver function tests, kidney function tests and cardiac function tests etc.
3. Neurodegenerative diseases (Parkinson's disease, Alzheimer Disease, Cerebral Ischemia), their management by some chemicals, herbal extracts and their active principles, nanodrugs from chemicals and active principles of medicinal plants and stem cells etc.

IV. EDUCATIONAL ACTIVITIES

COURSES TAUGHT

1994-2010 **NEUROTOXICOLOGY**

Neuroanatomy, Neuropathy and delayed neuropathy, Neurotransmitters, Neurotoxicity biomarkers, Neurotoxicity of organochlorine and organophosphate pesticides, Brain diseases.

1994-2010 **FORENSIC TOXICOLOGY**

Poisoning, mode of action, metabolism, signs and symptoms of poisoning, postmortem changes and gastric lavage: (a) Corrosive Poisons (b) Metals and their salts (c) Volatile Poisons (d) Gaseous Poisons (e) Synthetic Drugs (f) Plants Poisons (g) Animals poisons (h) Drugs of Abuse.

V. RESEARCH ACTIVITIES

A. Ph.D. THESES SUPERVISED (19)

No.		DETAILS
1.	**Title**	Study of selenium on brain lipids
	Name of candidate	Ms. Suhaila Zia
	Date of registration	
	Date of award	March 25, 1998
2.	**Title**	To study the influence of sleep inducing hypogenic brain areas on REM generating area neuronal activity in freely moving animals
	Name of candidate	Mr. Stephen Thankchan
	Date of registration	November 6, 1995
	Date of award	November 3, 2000
3.	**Title**	Effect of Argemone oil on Lipid metabolism
	Name of candidate	Mr. Iqbal Sayeed
	Date of registration	August 20, 1996
	Date of award	November 7, 2001
4.	**Title**	Identification of receptors sensitive to body temp. Sleep and wakefulness in pre-optic area of anterior hypothalamus
	Name of candidate	Mr. Sushil Kumar Jha
	Date of registration	November 28, 1995
	Date of award	December 12, 2001
5.	**Title**	Role of oxidative stress in Parkinson's disease and its prevention
	Name of candidate	Mr. Khan Shoeb Zafar

	Date of registration	September 12, 2002.
	Date of award	
6.	**Title**	Role of nitric oxide and peroxynitrite in methamphetamine induced neurotoxicity
	Name of candidate	Mr. S. Zohair Imam
	Date of registration	August 20, 1996
	Date of award	October 25, 2002
7.	**Title**	Studies of Argemone oil on the oxidative stress in discrete areas of brain
	Name of candidate	Ms. Almas Siddiqui
	Date of registration	July 1, 2000
	Date of award	December 20, 2002.
8.	**Title**	Evaluation of mustard oil as health oil in rat model
	Name of candidate	Ms. Parul Batra
	Date of registration	August 25, 1999
	Date of award	July 30, 2003.
9.	**Title**	Studies on Parkinson's disease: Search for therapeutic agents from herbs and herbal drugs
	Name of candidate	Mr. Muzamil Ahmad
	Date of registration	July 1, 2001
	Date of award	August 30, 2003
10	**Title**	Studies on Cerebral Ischemia and its treatment with herbs and herbal drugs
	Name of candidate	Mr. Sofiyan Saleem
	Date of registration	December 8, 2000
	Date of award	September 16, 2003
11.	**Title**	A cellular and molecular mechanism of argemone oil neurotoxicity
	Name of candidate	Mr. Mubeen Ahmad Ansari
	Date of registration	January 6, 2002
	Date of award	May 18, 2005
12.	**Title**	A cellular and molecular mechanism of cerebral ischemia and its prevention
	Name of candidate	Ms. Seema Yousuf
	Date of registration	January 6, 2002
	Date of award	September 28, 2005
13.	**Title**	Studies on cognitive impairment (Alzheimer's disease): Behavioral, cellular and molecular aspect in animal model and its prevention
	Name of candidate	Mr. Tauheed Ishrat
	Date of registration	October 1, 2003
	Date of award	December 13, 2007
14.	**Title**	Cellular, molecular and neuro-immunological approach of cognitive impairment (Alzheimer's disease) in animal model and its prevention.
	Name of candidate	Mr. M. Badruzzaman Khan

	Date of registration	October 1, 2003
	Date of award	November 10, 2008
15.	**Title**	Neurobehavioral, Neurochemical, and Molecular aberrations in Parkinson's disease and prevention by synthetic and Herbal drugs.
	Name of candidate	Mr. Mohammad Mushahid Khan
	Date of registration	June 1, 2006
	Date of award	September 1, 2009
16.	**Title**	Neurobehavioral and neurochemical approach in cerebral ischemia and its prevention
	Name of candidate	Mr. Ajmal Ahmad
	Date of registration	June 1, 2006
	Date of award	December 15, 2009
17.	**Title**	Therapeutic potential of herbs/herbal drugs/chemicals on Parkinson's disease in animal model.
	Name of candidate	Ms. Pallavi Shrivastava
	Date of registration	January 23, 2006
	Date of award	(Submitted)
18.	**Title**	Neurobehavioral, neurochemical and molecular approach in Alzheimer's disease.
	Name of candidate	Mr. Hayate Javed
	Date of registration	February 11, 2009
	Date of award	(Submitted)
19.	**Title**	Cellular and molecular approaches to prevent cerebral ischemia.
	Name of candidate	Mr. Syed Shadab Raza
	Date of registration	February 11, 2009
	Date of award	(Submitted)

B. Ph.D. THESES CO-SUPERVISED (6)

No.		DETAILS
1.	**Title**	Toxicological studies of reproductive and histophorphological aspects of fenvalerate inhalation exposed rats
	Name of candidate	Mr. U. Mani
	Date of award	November 16, 2001
2.	**Title**	Investigations on some plant and mineral origin drugs for protective effect against stress and ischemic brain injury.
	Name of candidate	Mr. Zahoor Ahmad Shah
	Date of award	February 23, 2002
3.	**Title**	Immunotoxic effects of deltamethrin in mice
	Name of candidate	Mr. Hasibur Rahman
	Date of award	January 23, 2003

4.	**Title**	Developmental neurotoxicity of pyrethriod based mosquito repellents: neurochemical, neurobehavioural and blood-brain barrier permeability
	Name of candidate	Ms. Chaitali Sinha
	Date of award	April 19, 2005
5.	**Title**	Induction of stress proteins in fish in response to exposure to aquatic pollutants and their role as biomarkers of pollution
	Name of candidate	Ms. Manpreet Kaur
	Date of award	January 9, 2008
6.	**Title**	Studies on modulatory role of herbal extracts on Cyclophosphamide-induced urotoxicity in mice.
	Name of candidate	Ms. Kanchan Bhatia
	Date of award	January 23, 2008
7.	**Title**	Endocrine disrupting effects of xenobiotics in malnourished rats
	Name of candidate	Ms. Heena Rashid
	Date of award	Submitted

C. Ph.D. SCHOLARS REGISTERED AS SUPERVISOR (5)

No.		**DETAILS**
1.	**Title**	Chemoprevention on Alzheimer's disease models in vivo and in vitro.
	Name of candidate	Ms. Andleeb Khan
	Date of registration	February, 2007
2.	**Title**	Neurobehavior and molecular approach in cerebral ischemia.
	Name of candidate	Mr. Kumar Vaibhav
	Date of registration	February, 2007
3.	**Title**	Prevention of cerebral ischemia by herbal drugs in animal model.
	Name of candidate	Ms. Rizwana Tabassum
	Date of registration	February 11, 2009
4.	**Title**	Treatment of cognitive impairment in rats.
	Name of candidate	Mr.Mohd. Ejaz Ahmed
	Date of registration	February 11, 2009
5.	**Title**	Neurobehavioral, neurochemical and molecular approach in Alzheimer's disease.
	Name of candidate	Mr. Mohammad Ashfaq
	Date of registration	February 11, 2009

D. Ph.D. SCHOLARS REGISTERED AS CO-SUPERVISOR (4)

No.		DETAILS
1.	Title	Radiation-induced neurobehavioral perturbations and their modification by certain phytoextracts
	Name of candidate	Mr. Anupum Haksar
	Date of registration	September 1, 2004
2.	Title	Development and validation of in vitro model of cerebral ischemia to access the neuroprotective potential of drugs
	Name of candidate	Mr. Reyaz Waris Ansari
	Date of registration	June 5, 2006
3.	Title	Endocrine disrupting effects of xenobiotics in malnourished rats
	Name of candidate	Ms. Heena Rashid
	Date of registration	January 23, 2006
4.	Title	Efficacy of curcumin and selected natural extracts against neurobehavioral toxicity of arsenic and monocrotophos
	Name of candidate	Rajesh Singh Yadav
	Date of registration	May 31, 2008

VI. FINANCIAL SUPPORT

A. CURRENT FINANCIAL SUPPORT

No.		DETAILS
1.	Title	Formulation of polymeric nanoparticles-encapsulated curcumin (nanocurcumin) and brain targeted for the prevention of cerebral ischemia
	Role in Project	Principal Investigator
	Awarding body	DST
	Funding Amount	**Rs. 1,26,37,000 or Rs. 12.637 Million**
2.	Title	Action of khat on neurotransmitters
	Role in Project	Principal Investigator
	Awarding body	Substance Abuse Research Center (SARC), Jazan University, KSA
	Funding Amount	**Saudi Arabia Riyal 165,000.00**
3.	Title	Study the action of KHAT on the brain lipids
	Role in Project	Co-Investigator
	Awarding body	Substance Abuse Research Center (SARC), Jazan University, KSA
	Funding Amount	**SAR 210,000.00**

B. PAST FINANCIAL SUPPORT

No.		DETAILS
1.	**Title**	Extraction, Identification and Toxic potential of erucic acid and pungent components (glucosinolates) of mustard oil
	Role in Project	Principal Investigator
	Awarding body	Council of Scientific and Industrial Research (CSIR)
	Award period	1999-2002
	Funding Amount	**Rs. 1,900,000.00**
2.	**Title**	Argemone oil neurotoxicity and prevention.
	Role in Project	Principal Investigator
	Awarding body	Central Council for Research in Unani Medicine (CCRUM)
	Award period	1999-2002
	Funding Amount	**Rs. 1,461,000.00**
3.	**Title**	Studies on Ischemic stroke and its treatment by some herbs and herbal drugs used in Unani system of medicine.
	Role in Project	Principal Investigator
	Awarding body	Central Council for Research in Unani Medicine (CCRUM)
	Award period	2000-2003
	Funding Amount	**Rs. 1,580,000.00**
4.	**Title**	Hypoperfusion/reperfusion induced brain ischemia: Search for protective agents from herbo-mineral sources.
	Role in Project	Principal Investigator
	Awarding body	Indian Council of Medical Research (ICMR)
	Award period	2001-2004
	Funding Amount	**Rs. 750,000.00**
5.	**Title**	Evaluation of mustard oil for human health: An in vivo human study.
	Role in Project	Principal Investigator
	Awarding body	Council of Scientific and Industrial Research (CSIR)
	Award period	2001-2004
	Funding Amount	**Rs. 2,500,000.00**
6.	**Title**	Role of certain Unani Medicines in the prevention of Alzheimer's disease: A study in rat model.
	Role in Project	Principal Investigator
	Awarding body	Department of Ayurveda, Yoga Unani, Siddha & Homeopathy (AYUSH)
	Award period	April 2004-September 2007
	Funding Amount	**Rs. 1,750,000.00**
7.	**Title**	Studies on Homoeopathic medicines for the treatment of cerebral ischemia.
	Role in Project	Principal Investigator
	Awarding body	Central Council for Research in Homoeopathy (CCRH)
	Award period	April 2005-March 2006
	Funding Amount	**Rs. 500,000.00**
8.	**Title**	Studies on Homeopathic Medicines for the treatment of

		Parkinson's disease.
	Role in Project	Principal Investigator
	Awarding body	Department of Ayurveda, Yoga Unani, Siddha & Homeopathy (AYUSH)
	Award period	2004-2007
	Funding Amount	**Rs. 2,389,000.00**
9.	**Title**	Studies on Homeopathic Medicines for the treatment of Parkinson's disease.
	Role in Project	Principal Investigator
	Awarding body	Department of Ayurveda, Yoga Unani, Siddha & Homeopathy (AYUSH)
	Award period	2004-2007
	Funding Amount	**Rs. 2,389,000.00**
10.	**Title**	Medicinal importance of alkaloid free argemone oil.
	Role in Project	Principal Investigator
	Awarding body	CCRUM
	Award period	April 2006- March 2009
	Funding Amount	**Rs. 2,017,600.00**
11.	**Title**	Role of some Ayurvedic drugs and herbal extracts in the prevention of cerebral ischemia in rats.
	Role in Project	Principal Investigator
	Awarding body	Central Council for Research in Ayurvedic System (CCRAS)
	Award period	2007-2009
	Funding Amount	**Rs. 2,386,400.00**
12.	**Title**	Studies of Homeopathic medicines on healthy neuronal cell line.
	Role in Project	Principal Investigator
	Awarding body	AYUSH
	Award period	2007-2009
	Funding Amount	**Rs. 2,221,600.00**
13.	**Title**	Studies on the prevention of Parkinson's disease by some Unani Medicines and herbs in animals
	Role in Project	Principal Investigator
	Awarding body	AYUSH
	Award period	April 2008-March 2010
	Funding Amount	**Rs. 2,500,000.00 (Rs. 2.5 Million)**

TOTAL COST OF COMPLETED PROJECTS: Rs. 21,814,800

OR Rs. 21.815 MILLION

VII. PUBLICATIONS

S.No.	Authors, Titles and Journals	Impact Factor
1.	Ahmada A, Khana MM, Razaa SS, Javeda H, Islam F, Safhi MM and Islam F. Ocimum sanctum attenuates oxidative damage and neurological deficits following focal cerebral ischemia/reperfusion injury in rats. Neurological Science **(IN PRESS).**	2.092
2.	Ashafaq M, Khan MM, Raza SS, Khuwaja G, Ahmad A, Javed H, Khan A, Islam F, Siddiqui MS, Safhi MM, Islam F. S-allyl cysteine mitigates oxidative associated damage and improves functional outcome in rat model of ischemia/reperfusion injury. Nutrition Res. 2012, 32:133-143.	1.22
3.	Khan MB, Hoda MN, Ishrat T, Ahmad S, Moshahid Khan M, Ahmad A, Yusuf S, Islam F. Neuroprotective efficacy of Nardostachys jatamansi and crocetin in conjunction with selenium in cognitive impairment. Neurol Sci. 2011 Dec 15. [Epub ahead of print]	1.22
4.	Khan MM, Raza SS, Javed H, Ahmad A, Khan A, **Safhi MM**, Islam F. Rutin Protects Dopaminergic Neurons from Oxidative Stress in an Animal Model of Parkinson's Disease. Neurotox. Res. DOI 10.1007/s12640-011-9295-2	3.10
5.	Raza SS, Khan MM, Ashafaq M, Ahmad A, Khuwaja G, Khan A, Siddiqui MS, **Safhi MM,** Islam F. Silymarin protects neurons from oxidative stress associated damages in focal cerebral ischemia: A behavioral, biochemical and immunohistological study in Wistar rats. J Neurolog. Sciences 2011 Oct 15;309(1-2):45-54.	2.492
6.	Raza SS, Khan MM, Ahmad A, Ashafaq M, Khuwaja G, Tabassum R, Javed H, Siddiqui MS, Safhi MM, **Islam F**. Hesperidin ameliorates functional and histological outcome and reduces neuroinflammation in experimental stroke. Brain Res. 2011, Oct. 28(1420): 93-105.	2.296
7.	Javed H, Khan MM, Khan A, Vaibhav K, Ahmad A, Khuwaja G, Ahmed ME, Raza SS, Ashafaq M, Tabassum R, Siddiqui MS, El-Agnaf OM, Safhi MM, **Islam F**. S-allyl cysteine attenuates oxidative stress associated cognitive impairment and neurodegeneration in mouse model of streptozotocin-induced experimental dementia of Alzheimer's type. Brain Res. 2011 May 10;1389:133-42.	2.296
8.	Ahmad A, Khan MM, Hoda MN, Raza SS, Khan MB, Javed H, Ishrat T, Ashafaq M, Ahmad ME, Safhi MM, **Islam F**. Quercetin Protects Against Oxidative Stress Associated Damages in a Rat Model of Transient Focal Cerebral Ischemia and Reperfusion. Neurochem Res. 2011, 36(8):1360-1371.	3.128
9.	Khuwaja G, Khan MM, Ishrat T, Ahmad A, Raza SS,	2.296

	Ashafaq M, Javed H, Khan MB, Khan A, Vaibhav K, Safhi MM, **Islam F**. "Neuroprotective effects of curcumin on 6-hydroxydopamine-induced Parkinsonism in rats:'behavioral, neurochemical and immunohistochemical studies. Brain Res. 2011 Jan 12;1368:254-63.	
10.	Khan MM, Hoda MN, Ishrat T, Ahmad A, Khan MB, Khuwaja G, Raza SS, Safhi MM, **Islam F**. Amelioration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced behavioural dysfunction and oxidative stress by Pycnogenol in mouse model of Parkinson's disease. Behav Pharmacol. 2010 Sep;21(5-6):563-71.	**2.854**
11.	Khan MM, Ishrat T, Ahmad A, Hoda MN, Khan MB, Khuwaja G, Srivastava P, Raza SS, **Islam F**, Ahmad S. "Sesamin attenuates behavioral, biochemical and histological alterations induced by reversible middle cerebral artery occlusion in the rats."Chem Biol Interact. 2010 Jan 5;183(1):255-63.	**2.457**
12.	Ahmad A, Khan MM, Ishrat T, Khan MB, Khuwaja G, Raza SS, Shrivastava P, **Islam F**. Synergistic Effect of Selenium and Melatonin on Neuroprotection in Cerebral Ischemia in Rats. Biol Trace Elem Res. 2010, 139(1): 81-96.	**0.869**
13.	Yousuf S, Atif F, Ahmad M, Ishrat T, Khan B, **Islam F**. Neuroprotection Offered by Majun Khadar, A Traditional Unani Medicine, during Cerebral Ischemic Damage in Rats. Evid Based Complement Alternat Med. 2010 Jan 3. [Epub ahead of print]PMID]	2.064
14.	Yadav RS, Shukla RK, Sankhwar ML, Patel DK, Ansari RW, Pant AB, **Islam F**, Khanna VK. Neuroprotective effect of curcumin in arsenic-induced neurotoxicity in rats. Neurotoxicology. 2010, 31(5):533-539.	**2.91**
15.	Pratap R, Pillai K, Khanam R, **Islam F**, Ahmad SJ, Akhtar M. Protective effect of irbesartan, an angiotensin II receptor antagonist, alone and in combination with aspirin on middle cerebral artery occlusion model of focal cerebral ischemia in rats. Hum Exp Toxicol. 2010, 30(5):354-362.	**1.293**
16.	Khan MM, Ahmad A, Ishrat T, Khan MB, Hoda MN, Khuwaja G, Raza SS, Khan A, Javed H, Vaibhav K, **Islam F**. Resveratrol attenuates 6-hydroxydopamine-induced oxidative damage and dopamine depletion in rat model of Parkinson's disease. Brain Res. 2010 Apr 30;1328:139-51.	**2.296**
17.	Ishrat T, Parveen K, Hoda MN, Khan MB, Yousuf S, Ansari MA, Saleem S, **Islam F**. Effects of Pycnogenol and vitamin E on cognitive deficits and oxidative damage induced by intracerebroventricular streptozotocin in rats. Behav Pharmacol. 2009, 20(7): 567-575.	**2.854**

18.	Khan MM, Ahmad A, Ishrat T, Khuwaja G, Srivastawa P, Khan MB, Raza SS, Javed H, Vaibhav K, Khan A and **Islam** F. Rutin protects the neural damage induced by transient focal ischemia in rats. Brain Res. 2009, 1292: 123-135.	**2.296**
19.	Ansari RA, Kaur M, Ahmad F, Rahman S, Rashid H, **Islam** F, Raisuddin S. Genotoxic and Oxidative Stress-inducing Effects of Deltamethrin in the Erythrocytes of a Freshwater Biomarker Fish Species, Channa punctata Bloch. Environ Toxicol 24: 429-436, 2009.	**1.73**
20.	Yadav RS, Sankhwar ML, Shukla RK, Chandra R, Pant AB, **Islam** F and Khanna VK. Attenuation of arsenic neurotoxicity by curcumin in rats. Toxicol Appl Pharmacol. 2009, 240(3): 367-376.	**1.302**
21.	Ishrat T, Hoda MN, Khan MB, Yousuf S, Ahmad M, Khan MM, Ahmad A, **Islam** F. Amelioration of cognitive deficits and neurodegeneration by curcumin in rat model of sporadic dementia of Alzheimer's type (SDAT). Eur Neuropsychopharmacol. 2009, 19(9): 636-647.	**5.28**
22.	Ishrat T, Parveen K, Khan MM, Khuwaja G, Khan MB, Yousuf S, Ahmad A, Shrivastav P, **Islam** F. Selenium prevents cognitive decline and oxidative damage in rat model of streptozotocin-induced experimental dementia of Alzheimer's disease. Brain Res. 2009, 1281:117-127.	**2.296**
23.	Yousuf S, Atif F, Ahmad M, Hoda N, Ishrat T, Khan B, **Islam F.** Resveratrol exerts its neuroprotective effect by modulating mitochondrial dysfunctions and associated cell death during cerebral ischemia. Brain Res. 2009 Jan 23; 1250:242-53.	**2.296**
24.	Haksar A, Sharma A, Chawla R, Kumar R, Lahiri SS, **Islam** F, Arora MP, Sharma RK, Tripathi RP, Arora R. Mint oil (Mentha spicata Linn.) offers behavioral radioprotection: a radiation-induced conditioned taste aversion study. Phytother Res. 2009 Feb; 23(2):293-6.	**1.43**
25.	Rashid H, Ahmad F, Rahman S, Ansari RA, Bhatia K, Kaur M, **Islam** F, Raisuddin S. Iron deficiency augments bisphenol A- induced oxidative stress in rats. Toxicology. 2009 Feb 4; 256(1- 2):7-12.	**3.22**
26.	Ansari MN, Bhandari U, **Islam** F, Tripathi CD. Evaluation of antioxidant and neuroprotective effect of ethanolic extract of Embelia ribes Burm in focal cerebral ischemia/reperfusion-induced oxidative stress in rats. Fundam Clin Pharmacol. 2008 22(3):305-14.	**2.109**
27.	Rahman S, Bhatia K, Khan AQ, Kaur M, Ahmad F, Rashid H, Athar M, **Islam F**, Raisuddin S. Topically applied vitamin E prevents massive cutaneous inflammatory and oxidative stress responses induced by double application of 12-O-tetradecanoylphorbol-13-acetate (TPA) in mice. Chem Biol Interact. 2008; **172(3)**:195-205.	**1.96**
28.	Bhandari U, Ansari MN and **Islam F**. Cardioprotective	**0.25**

	effect of 0.: aqueous extract of Embelia ribes Burm fruits against isoproterenol induced myocardial infartion in albino rats. Indian J Expt.Biol. 2008, 46: 35-40.	
29.	Yousuf S, Hoda N, Ahmad M, Saleem S, Ishrat T, Khan MB, Ahmad AS and **Islam F** .Oral suplimentation of Majun Baladar ameliorates antioxidant enzymes activity in cerebral ischaemic damage. Basic & Clinical Pharmacology & Toxicology 2007; **101**: 246-253.	**1.489**
30.	Sharma P, Ahmad Shah Z, Kumar A, **Islam F**, Mishra KP. Role of combined administration of Tiron and glutathione against aluminum-induced oxidative stress in rat. brain. J Trace Elem Med Biol. 2007; **21(1):** 63-70.	**0.955**
31.	Yousuf S, Atif F, Ahmad M, Hoda MN, Khan MB, Ishrat T, **Islam F**. Selenium plays a modulatory role against cerebral ischemia-induced neuronal damage in rat hippocampus. Brain Res. 2007, **147**: 218-25.	**2.296**
32.	Ahmad S, Yousuf S, Ishrat T, Khan MB, Bhatia K, Fazli IS, Khan JS, Ansari NH, **Islam F**. Effect of dietary sesame oil as antioxidant on brain hippocampus of rat in focal cerebral ischemia. Life Sci. 2006; **79(20):**1921-1928.	**2.512**
33.	Ahmad M, Yousuf S, Khan, MB, Saleem S, Ishrat T, Hoda Md.N and **Islam F**. Protective effects of ethanolic extract of Delphinium denudatum in a rat model of Parkinson's disease. Human & Expt Toxicol 2006; **25 (7):** 361-368.	**1.122**
34.	Haksar A, Sharma A, Chawla R, Kumar R, Arora R, Singh S, Prasad J, Gupta M, Tripathi RP, Arora MP, **Islam F**, Sharma RK. *Zingiber officinale* exihibits behavioral radioprotection against radiation-induced CTA in a gender-specific manner. Pharmacol Biochem Behav. 2006, **84:** 179-188.	**2.092**
35.	Saleem S, Ahmad M, Ahmad AS, Yousuf S, Ansari MA, Khan MB, Ishrat T, **Islam F**. Behavioral and Histologic Neuroprotection of Aqueous Garlic Extract After Reversible Focal Cerebral Ischemia. J Med Food. 2006, **9 (4):** 537-544.	**1.34**
36.	Sinha C, Seth K, **Islam F**, Chaturvedi RK, Shukla S, Mathur N, Srivastava N and Agrawal AK. Behavioral and neurochemical effects induced by pyrethroid-based mosquito repellent exposure in rat offsprings during prenatal and early postnatal period. Neurotoxicol. Teratology 2006, **28**: 472-481.	**1.97**
37.	Khan MB, Hoda MN, Yousuf S, Ishrat T, Ahmad M, Ahmad AS, Alavi SH, Haque N and **Islam F**. Prevention of cognitive impairments and neurodegeneration by Khamira Abresham Hakim Arshad Wala, a Unani Medicine. J Ethnopharmacology 2006, **108:** 68-73.	**1.554**
38.	Ishrat T, M. Khan MB, Hoda MN, Sousuf S, Ahmad M, Ansari MA**,** Ahmad AS, **Islam. F.** Coenzyme Q10 modulates cognitive impairment against intracerebroventricular injection of streptozotocin in rats.	**2.865**

	Behavior Brain Research 2006, **171(1):** 9-16.	
39.	Saleem S, Ahmad M, Ahmad AS, Yousuf S, Ansari MA, Khan MB, Ishrat T, **Islam F.** Effect of Saffron (Crocus sativus) on Neurobehavioral and Neurochemical Changes in Cerebral Ischemia in Rats. J Medicinal Food 2006, **9(2):** 246-253.	**1.34**
40.	Ahmad M, Yousuf S, Khan MB, Hoda Nasrul MD, Ahmad AS, Ansari MA, Ishrat T, Agrawal AK and **Islam F**. Attenuation by Nardostachys jatamansi of 6-hydroxydopamine-induced Parkinsonism in rats: behavioral, neurochemical, and immunohistochemical studies. Pharmacol. Biochem. Behav 2006, **83:** 150-160.	**2.092**
41.	Ahmad AS, Zia S, Sayeed I, Ansari MA, Ahmad M, Salim S, Yousuf S and **Islam F**: Sodium selenite stimulates neurobehavior and neurochemical activities in rats. Biol. Trace Element Research 2005, **103**: 59-68.	**0.869**
42.	Ahmad M, Salim S, Ahmad AS, Yousuf S, Ansari MA, Khan MB, Ishrat T, Chaturvedi R, Agrawal AK, and **Islam F**. Ginkgo biloba affords dose-dependent protection against 6-OHDA induced Parkinsonism in rats: Neurobehavioral, Neurochemical and immunohisto-chemical evidences. J Neurochemistry 2005, **93**:1-11.	**4.604**
43.	Ahmad M, Salim S, Ahmad AS, Yousuf S, Ansari MA, Chaturvedi R, Agarwal AK, and **Islam F.** Neuroprotective effets of Withania somnifera on 6-hydroxydopamine induced Parkinsonism in rats. Human & Experimental Toxicology 2005, **24**: 1-11.	**1.189**
44.	Sharma A, haksar A, Chawla R, Kumar R, Arora R, Singh S, Prasad J, **Islam F**, Arora MP, and Sharma RK. *Zingiber officinale* Rosc. Modulates gamma radiation-induced conditioned taste aversion. Pharmacol. Biochem. Behavior 2005, **81**: 864-870.	**2.092**
45.	Yousuf S, Salim S, Ansari MA, Ahmad AS, Ahmad M and **Islam F**. Protective role of Khamira Abrasam Uood Mastogi Wala, a Unani prapration against free radical induced damage in transient focal cerebral ischemia. J Ethnopharmacology 2005, **99**: 179-184.	**1.554**
46.	Ahmad AS, Ansari MA, Ahmad M, Salim S, Kaur P, Yousuf S and **Islam F**. Neuroprotection by crocetin in a hemi-parkinsonian rat model. Pharmacol. Biochem. Behavior 2005, **81(4):** 805-13.	**2.092**
47.	Ansari MA, Ahmad AS, Kaur P, Ahmad Muzamil, Salim, S, Yousif S, Ishrat T and **Islam F**. Selenium protects the neurodegeneration of middle cerebral artery occulusion in rat brain mitochondria. Biol. Trace Element Research 2004, **101 (1):** 73-86.	**0.868**
48.	Sinha, C, Agarwal AK, **Islam F,** Seth K, Chaturvedi RK, Shukla S, Seth PK. Mosquito repellent (pyrethroid-based) induced dysfunction of blood brain barrier permeability in developing brain. Int J Devl Neuroscience. 2004, **222**: 31-	**2.089**

	37.	
49.	Ahmad A S, Rahman N and **Islam F**. Spectrophotometric determination of ampicillin, Amoxycellin and Carbencillen using follin-Ciocalteu phenol reagent. J Analytical Chemistry. 2004, **59**: 119-123.	**0.496**
50.	Mallick B N., Thankachan S, and **Islam F**. Influence of hypnogenic brain areas on wakefulness-and rapid eye movement sleep-related neurons in the brain stem of freely moving cats. J Neuroscience Res. 2004, **75**: 133-142.	**3.239**
51.	Mallick B N, Sushil K J and **Islam F**. Wakefulness-inducing area in the brainstem excites warm-sensitive and inhibits cold-sensitive neurons in the medial preoptic areas in anesthetized rats. Synapse 2004, **51**: 59-70.	**3.22**
52.	I**slam F**, Zia S, Sayeed I, Kaur P, Ahmad AS. Effect of selenium on lipids, lipid peroxidation, and sulfhydryl group in neuroendocrine centers of rats. Biol Trace Element Res. 2004, **97(1)**: 71-81.	**0.868**
53.	Zafar KS, Siddiqui A, Sayeed I, Ahmad M, Salim S and **Islam F.** Dose-dependent protective effect of selenium in rat model of Parkinson's disease: neurobehavioral and neurochemical evidences J. Neurochem. 2003, **84**: 438-446.	**4.604**
54.	Kaur P, Yousuf S, Ansari MA, Siddique A, Ahmad AS and **Islam F**. Tellurium-induced dose-dependent impairment of antioxidant status: differential effects in cerebrum, cerebellum, and brainstem of mice. Biological Trace Element Research. 2003, **94**:247-258.	**0.868**
55.	Kaur P, Yousuf S, Ansari MA, Ahmad AS and **Islam F**. Dose and duration-dependent alterations by tellurium on lipid levels: differential effects in cerebrum, cerebellum, and brain stem of mice. Biological Trace Element Research 2003, **94:** 259-272.	**0.868**
56.	Salim S, Ahmad M, Zafar KS, Ahmad AS and **Islam F**. Protective effect of Nardostachys jatamansi in rat cerebral ischemia. Pharmacol. Biochem. Behavior 2003, **74**: 481-486.	**1.97**
57.	Zafar KS, Siddiqui A, Sayeed I, Ahmad M, Salim S and **Islam F**. Protective effect of adenosine in rat model of Parkinson's disease: Neurobehavioral and neurochemical evidence. J. Chemical Neuroanatomy 2003, **26**:143-151.	**2.453**
58.	Mallick BN, Jha SK, **Islam F.** Presence of alpha-1 adrenoreceptors on thermosensitive neurons in the medial preoptico-anterior hypothalamic area in rats. Neuropharmacology 2002, **42**: 697-705.	**3.637**
59.	Siddiqui A, Sayeed I, Zafar KS and **Islam F**. Argemone oil augmented oxidative stress in discrete areas of rat brain. Bulletin Environ. Contamination Toxicol. 2002, **69 (5)**:734-740.	**0.626**
60.	Imam SZ, Newport GD, Duhart HM, **Islam F**, Slikker Jr W	**1.971**

	and Ali SF. Methamphetamine-induced dopaminergic neurotoxicity and production of peroxynitrite are potentiated in nerve growth factor differentiated pheochromocytoma 12 cells. Ann. N.Y. Acad. Sci. 2002, **965**: 204-213.	
61.	Mani U, **Islam F**, Prasad AK, Kumar P, Kumar VS, Maji BK and Dutta KK. Steroidogenic alterations in testes and sera of rats exposed to formulated fenvalerate (Fen) by inhalation. Human & Expt. Toxicol. 2002, **21:** 593-597.	**1.189**
62.	**Islam F**, Zia S, Sayeed I, Zafar KS and Ahmad AS. Selenium-induced alteration on lipids, lipid peroxidation and thiol group in circadian rhythm centers of rat. Biol. Trace Element Research 2002, **90:** 203-214.	**0.868**
63.	Dutta KK, **Islam F**, Mani U, Prasad AK, Kumar P, Maji BK. Subchronic inhalation exposure of rats to formulated fenvalerate (EC 20%) using flow past nose only inhalation chamber: Some biochemical alterations in lungs. Biomedicine 2001, **21 (1)**: 14-22.	
64.	Mani U, **Islam F**, Prasad AK, Kumar P, Maji BK and Dutta KK. Pulmonary toxicity of formulated prepration of fenvalerate in rats subchronically exposed by nose only inhalation for 90 days. Biomedical and Environmental Sciences 2001, **14**: 57-64.	**0.846**
65.	Jha SK, **Islam F**, Mallick BN. GABA exerts opposite influence on warm and cold sensitive neurons in medial preoptic area in rats. J. Neurobiology 2001, **48**: 291-300.	**4.17**
66.	Imam SZ, Itzhak Y, Cadet JL, **Islam F**, Slikker W Jr and Ali SF. Methamphetamine-induced alteration in striatal p53 and bcl-2 expression in mice. Mol Brain Res. 2001, **91(1-2):** 174-178.	**1.585**
67.	Imam SZ, Newport GD, Itzhak Y, Cadet JL, **Islam F**, Slikker WJr, Ali SF. Peroxynitrite plays a role in methamphetamine-induced dopaminergic neurotoxicity: evidence from mice lacking neuronal nitric oxide synthase gene or overexpressing copper-zinc dismutase. J Neurochem. 2001, **76(3)**: 745-749.	**4.604**
68.	Thankachan S, **Islam F**, Mallick BN. Role of wake inducing brain stem area on rapid movement sleep regulation in freely movingcats. Brain Res Bull. 2001, **55(1)**: 43-49.	**2.481**
69.	Imam SZ, **Islam F**, Itzhak Y, Slikker Jr and AliSF. Prevention of dopaminergic neurotoxicity by targeting nitric oxide and peroxynitrite: Implications for methamphetamine induced neurotoxic damage. Annals New York Academy of Science 2000, **914**: 157-171.	**1.971**
70.	Zia S, and **Islam F.** Selenium altered the levels of lipids, lipid peroxidation and sulfhydryl group in striatum and thalamus of rat. Biol. Trace Element Research 2000, **76**: 251-259.	**0.868**
71.	Sayeed I, Ahmad I, Fatima M, Hamid T, **Islam F** and	**0.626**

	Raisuddin S. Inhibition of Brain Na^+ K^+-ATPase activity in fresh water catfish (Channa punctatus, Bloch) exposed to paper mill effluent. Bull. Environ. Contam. Toxicol. 2000, **65**: 161-167.	
72.	Imam SZ, Newport G.D, **Islam F,** Sliker Jr W and Ali SF. Selenium, an antioxidant, protects against methamptamine-induced dopaminergic neurotoxicity. Brain Research 1999, **818(2):** 575-578.	**2.296**
73.	Thankchan S, **Islam F** and Mallick BN. Adrenergic and cholinergic modulation of spontaneous and brain stem reticular formation stimulation induced desyncronization of the cortical EEG in freely moving behaving cats. Sleep and Hypnosis. 1999, **1(1):** 14-21	
74.	Imam, SZ, Crow, JP, **Islam, F,** Slikker Jr W and Ali, SF. Methamphetamine generates peroxynitrite and produces dopaminergic neurotoxicity in mice: Protective effects of peroxynirite dcomposition catalyst. Brain Research. 1999, **837**: 15-21.	**2.296**
75.	Mallick BN, Thankchan S and **Islam F**. Differential responses of brain stem neurons during spontaneous and stimulation-induced desynchronization of the cortical EEG in freely moving cats. Sleep Research Online 1998, **1(4):** 132-146.	
76.	**Islam F**, Watanabe Y, Moii H and Hayashi O. Inhibition of rat brain postaglandin D synthase by inorganic selenocompounds. Arch. Biochem. Biophys. 1991, **289:** 161-166.	**3.152**
77.	**Islam F**, Urade Y, Watanabe Y and Hayashi O. A particle concentration fluorescence immunoassay for prostaglandin D synthase rat central nervous system. Arch. Biochem. Biophys. 1990, **277**: 290-295.	**3.152**
78.	**Islam F,** Watanabe Y and Hayashi O. Inhibition of rat brain prostaglandin D synthase by 3-hydroxy-3methylglutaryl coenzyme A reductase inhibitors. Biochem. Inter. 1990, **22:** 601-605	**2.75**
79.	Masmoudi A, **Islam F** and Mandel P. ADP-ribosylation of highly purified rat brain mitochondria. J. Neurochem. 1988, **51**: 188-193.	**4.604**
80.	**Islam F,** Hasan M and Rizvi R. Estrogen effects on the lipid profiles of cerebral cortex, cerebellum, brain stem and spinal cord. Current Science 1986, **53**: 1072-1074.	**0.728**
81.	**Islam F,** Hasan M and Saxena K. Isolation and estimation of gangliosides in discrete areas of the forebrain: Effects of estrogen on regional lipid profiles. Expt. Pathol. 1986, **29**: 159-164.	
82.	**Islam, F**, Tayyaba, K and Hasan, M. Organophosphate Metasystox induced increment of lipase activity and lipid peroxidation in cerebral hemisphere: Dimunition of lipids in discrete areas of the rat brain. Acta Pharmacol. et Toxicol. 1983, **53**: 121-124.	**1.302**

83.	**Islam F,** Tayyaba K, Hasan M, Rizvi R and Osman SM. Estrogen-induced alteration in lipid fractions of rabbit organs. Indian J. Med. Res. 1982, **76:** 571-577.	**0.869**
84.	Tayyaba K, Hasan M, **Islam, F** and Khan NH. Organophosphate pesticide Metasystox-induced regional alteration in the brain nucleic acid metabolism., Indian J. Expt. Biol. 1981, **19**: 688-691.	**0.25**
85.	Haider SS, Hasan M and **Islam F**. Effect of air pollutant hydrogen sulfide on the levels of total lipids, phospholipids and cholesterol in different region of the guinea pig brain. Indian J. Expt. Biol. 1980, **18**: 418-420.	**0.25**
86.	**Islam F,** Hasan M, Rizvi R and Osman SM. Microanalysis of lipids in discrete brain areas of the rabbit following intramuscular administration of steroid contraceptive. Contraception 1980, **21**: 433-442.	**1.713**
	TOTAL IMPACT FACTOR	**169.111**

VIII. LIST OF THE COMMUNICATED PAPERS

S.No.	List of the Communicated papers in International Journals
1.	Kumar Vaibhav, Pallavi Shrivastava, Hayate Javed, Andleeb Khan, Rizwana Tabassum, Md. Ejaz Ahmed, Mohd. Moshahid Khan, Farah Islam, M. Saeed Siddiqui, Mohammed M. Safhi and Fakhrul Islam Azadirachta indica inhibits oxidative damage and apoptosis to prevent cerebral ischemic-reperfusion injury in rats.
2.	M. Badruzzaman Khan, Md. Nasrul Hoda, Tauheed Ishra, Mohd Moshahid Khan, Ajmal Ahmad Farah Islam, Niloufar Haque, Mohammed M. Safhi, Fakhrul Islam. Regulation of Stem cells by Fibroblast Growth Factor-2 and *Nardostachys jatamansi* in Cognitive impairments (COMMUNICATED).
3.	Hayate Javed , Mohd Moshahid Khan, Andleeb Khan, Kumar Vaibhav, Gulrana Khuwaja, Ejaz Ahmad, Ashafaq Ahmad, Rizwana Tabassum, Farah Islam, M. Saeed Siddiqui, O.M.El-Agnaf,M.M. Safhi, Fakhrul Islam. Effect of hesperidin on neurobehavioral, oxidative stress and lipid profiles in intracerebroventricular streptozotocin induce cognitive impairment in mice (COMMUNICATED).
4.	Rizwana Tabassum, Kumar Vaibhav, Pallavi Shrivastava, Andleeb Khan, Mohd. Ejaz Ahmed, Hayate Javed, Farah Islam, Syeed Ahmad, M. Saeed Siddiqui, Mohammed M. Safhi and Fakhrul Islam. *Centella asciatica* attenuates the neurobehavioral, neurochemical and histological changes in middle cerebral artery occlusion rats (COMMUNICATED).
5.	Kumar Vaibhav, Pallavi Shrivastava, Hayate Javed, Andleeb Khan, Rizwana Tabassum, Md. Ejaz Ahmed, Mohd. Moshahid Khan, Farah Islam, M. Saeed Siddiqui, Mohammed M. Safhi and Fakhrul Islam. Neuroprotective effects of piperine against focal trainsient cerebral ischemia in middle cerebral artery occulasion rat model of COX2, NOS-2 and NF-KappaB (COMMUNICATED).
6.	Andleeb Khan, Kumar Vaibhav, Hayate Javed, Mohd. Moshahid Khan, Gulrana Khuwaja, Rizwana Tabassum, Ejaz Ahmed, Farah Islam, Mohd. Saeed Siddiqui, M. M. Shafi, Fakhrul Islam. Protective effect of thymoquinone on β-amyloid-induced PC 12 cell death by preventing mitochondrial dysfunction (COMMUNICATED).

B. ABSTRACTS:

More than 200 in National and International Conferences

C. ARTICLE

1. Batra, P, Zafar, KS and **Islam, F**. Is mustard oil toxic? SAARC Oil & Fats Today 2001, III-IV: 50-52.

D. BOOK CHAPTER

1. Batra P, Zafar KS and **Islam F**. Evaluation of mustard oil as health oil. In Health and Dietary Aspect of Mustard Oil. Eds. AK Bhatnagar, HB Singh and S Prakash. 2001, 32-40.

2. Kaur P and Islam F. Nutrional aspects of mustard oil. In Health, Nutrition and Value Addition of Indian Mustard. Eds. D Mathur and Bharti, 2003, 62-70.

VIII. Placement of my Ph.D./RA Scholars

1. **Dr. Suhaila Zia**: PDF, USA.
2. **Dr. Stephen Thankchan:** PDF, Department of Psychology, Dalhousie University, Halifax, Nova Scotia, B3H 4J1, Canada.
3. **Dr. Iqbal Sayeed**: PDF, Department of Ophthalmology, 243 Charles Street, Boston, MA 02114 USA.
4. **Dr. Sushil Kumar Jha**: Assistant Professor, School of Life Science, JNU, New Delhi. Laboratory for Study of the Brain in Sleep, The School of Veterinary Medicine, USA.
5. **Dr. Khan Shoeb Zafar**: PDF, School of Pharmacy, UCHSC, Denver, CO 80220, USA.
6. **Dr. S. Zohair Imam:** Assistant Professor, Department of Medicine, Research Investigator Center for Biomedical Neuroscience, University of Texas Health Science Center, 7703 Floyd Curl Drive, San Atonio, TX 78229-3900, USA.
7. **Dr. Almas Siddiqui:** PDF, School of Pharmacy, UCHSC, Denver, CO 80220, USA.
8. **Dr. Parul Batra:** House wife, India.
9. **Dr. Muzamil Ahmad**: PDF, The Johns Hopkins University/School of Medicine, ACCM Department, Neuroresearch Division, 720 Rutland Avenue, Traylor 806, Baltimore, MD 21205, USA.
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11. **Dr. Masroor Fatima:** PDF, Belgium.
12. **Dr. Mubeen Ahmad Ansari:** PDF**,** Department of Pediatrics and Department of Pathology and Laboratory Medicine, Medical University of South Carolina, Charleston, SC 29425, USA.
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18. **Dr. Mohammad Mushahid Khan:** PDF, Carver College of Medicine, Department of Internal Medicine, Div. of Hematology/Oncology ,3160 ML, Iowa city, Iowa-52242
19. **Dr. Nasrul Hoda: PDF,** Director of Stroke Neurosurgery Core, Augusta Biomedical Research Corporation, (Charlie Norwood VA Medical Center), Department of Neurology, CB1119, Medical College of Georgia, Augusta GA 30912
20. **Dr. Gulrana Khuwaja:** Assistant Professor, College of Pharmacy, Jazan University, Jazan, Kingdom of Saudi arabia.
21. **Dr. Parvidar Kaur:** **Worked for 2 years under my supervision then** Ph.D. from Norway. (PDF, USA)
22. **Dr. S. Shaida A. Andarabi:** **Worked for 2 years under my supervision then** Ph.D. from Germany, PDF, The Johns Hopkins University/School of Medicine, 720 Rutland Avenue, Traylor 806, Baltimore, MD 21205, USA.
23. **Dr. Saif Ahmad: PDF,** Medical College of Georgia School of Medicine, Centre for Vascular Biology, 1459 Laney Walker Blvd., CB 3307, Augusta, GA-30912 USA
24. **Mr. Qaisar Ali:** **Worked for 2 years under my supervision then** doing Ph.D. from USA.

IX. CURRENT AND FUTRE RESEARCH INTERESTS

My present interest is the prevention/treatment of various neurodegenerative diseases like Parkinson's, Alzheimer's and cerebral ischemia with chemicals, active principles of medicinal plants and compound drugs used in Unani and Ayurvedic system. To achieve the goal, Parkinson's disease, Alzheimer's disease and cerebral ischemia models is standardized in rodents in my lab.

My future goal will be the treatment of these diseases as well as spinal cord and brain injury with stem cells transplantation alone and in combination with the nanodrugs from some chemicals or active principles of the medicinal plants. The primary culture for Parkinson's disease, Alzheimer's disease and cerebral ischemia will also be used for testing the efficacy of the nanodrugs. The mechanistic approach of lipids including gangliosides and its enzymes with some molecular aspect on neurodegenerative diseases will also be studied.