Name	**Dr. ASIA TAHA**		
Specialization	36/ 02.03.1976		
Current Position	Assistant Professor		
Contact email (Official)	asiataha@kfu.edu.sa	**Mobile :**	**535523097**
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Academic Qualifications	**Degree/year/university/country**	**Ph.D, 2007, Jamia Millia Islamia, India**
	Degree/year/university/country	**M.Sc. 2000, University of Kashmir, India**
	Degree/year/university/country	**B.Sc., 1997, University of Kashmir, India**

Teaching Experience

- **From September 2010 till present:** Working As Assistant Professor, Biochemistry i College of Clinical Pharmacy, King Faisal University, Al-Hasa
- **From Oct 2009- June2010**: King Faisal University: Worked as Guest Faculty for teaching Biochemistry in College of Clinical Pharmacy, King Faisal University, Al-Hasa
- **From 2008- 2009:** Jamia Millia Islamia, New Delhi Worked as Guest Faculty for teaching Animal Physiology and Biophysical chemistry to under graduate students in Jamia Millia Islamia Central University, New Delhi.

All the courses Taught and Teaching in KFU with Course number

- 2020113: Biochemistry-1
- 2020123: Biochemistry-2
- 2020212: Clinical Biochemistry and Nutrition

Research Interests

- Finding alternate ways of treatment of type 1 and type 2 diabetes,
- Mechanism of action of antidiabetic agents, effect of antidiabetic compounds on general metabolism of the body.
- Investigation of various anti aging drugs on aging brains using animal model systems.

Publications

1. PardeepKumar, Asia Taha, R.K. Kale, P.McLean and Najma Zaheer Baquer "Beneficial effects of Trigonella foenum graecum and sodium orthovanadate on metabolic parameters in experimental diabetes." ***Cell Biochemistry & Function,*** accepted Feb 06, 2012 (in print).
2. Baquer NZ, Kumar P, **Taha A**, Kale RK, Cowsik SM, McLean P. Metabolic and molecular action of Trigonella foenum-graecum (fenugreek) and trace metals in experimental diabetic tissues. ***J Biosci***. 2011;36(2):383-396.
3. Kumar P, **Taha A**, Kale RK, S M Cowsik, Baquer NZ. Physiological and Biochemical effects of 17β estradiol in aging female rat brain. ***Exp Gerontol***. 2011 46(7):597-605
4. Baquer NZ, **Taha A**, Kumar P, McLean P, Cowsik SM, Kale RK, Singh R, Sharma D. A metabolic and functional overview of brain aging linked to neurological disorders.. ***Biogerontology.*** 2009; 10(4):377-413.
5. **Taha A**, Mishra M, Baquer NZ, Sharma D. Na+K(+)-ATPase activity in response to exogenous dehydroepiandrosterone administration in aging rat brain. ***Indian J Exp Biol***. 2008 46(12):852-854
6. Kumar P, **Taha A**, Sharma D, Kale RK, Baquer NZ.Effect of dehydroepiandrosterone (DHEA) on monoamine oxidase activity, lipid peroxidation and lipofuscin accumulation in aging rat brain regions Biogerontology. 2008 ;9(4):235-46. Erratum in: Biogerontology. 2008 :9(4):283-284.
7. Nupur Sinha, **Asia Taha**, N. Z.Baquer and Deepak Sharma. Exogenous administration of Dehydroepiendrosterone attenuates loss of superoxide dismutase activity in the brain of old rats Indian Journal of Biochemistry and Biophysics Vol. 45, February 2008, pp. 57-60
8. Sameer Mohammad*, **Asia Taha***, Kamal Akhtar, RNK Bamezai, and Najma Zaheer Baquer. In vivo effect of Trigonella foenum graecum on the expression of Pyruvate kinase, Phosphoenolpyruvate carboxykinase and distribution of glucose transporter (GLUT4) in alloxan-diabetic rats. ***Canadian Journal of Physiology and Pharmacology***, 2006; 84(6):647-654.
9. Anju Preet, M.R. Siddiqui, **A. Taha**, J. Badhai, M.E. Hussain, P.K. Yadava and N.Z. Baquer. Long-term effect of Trigonella foenum graecum and its combination with sodium orthovanadate in preventing histopathological and biochemical abnormalities in diabetic rat ocular tissues. ***Molecular and Cellular Biochemistry***, 2006; 289(1-2):137-147.
10. Mohammad Rizwan Siddiqui, K. Moorthy, **Asia Taha**, Mohd. Ejaz Hussain, Najma Z Baquer. Low doses of vanadate and Trigonella synergistically regulate Na+/K+ ATPase activity and GLUT-4 translocation in alloxan diabetic rats. ***Molecular and Cellular Biochemistry***, 2006; 285(1-2):17-27
11. Mohammad Rizwan Siddiqui, **Asia Taha**, K Moorthy, Mohd. Ejaz Hussain, S F Basir and Najma Z Baquer. Amelioration of altered antioxidants status and membrane linked functions by vanadium and Trigonella in alloxan diabetic rat brains. ***Journal of Biosciences*** 2005;30(4):483-490.

Presentations and Abstracts

- Neuroprotective role of estradiol administration on altered age related neuronal parameters in female rats at sixth International meeting "**Steroids and Nervous System" held in Villa Gualino, University of Torino, Torino, Italy on February** 19-23, 2011.
- Beneficial effects of Trigonella foenum graecum and its combination with sodium orthovanadate on preventing metabolic abnormalities in heart, muscle and brain of alloxan diabetic rat at **36th Annual Meeting of International Society for Pediatric and Adolescent Diabetes. October 27-30, 2010 Buenos Aires, Argentina**.
- Anti-Diabetic Effect of Trigonella foenum graecum on Altered Membrane Functions in Alloxan Diabetic Rats. 2nd International **Conference on Trends in Cellular and Molecular Biology. January 5-7, 2008, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India**.
- Antiaging Effect of Dehydroepiendrosterone (DHEA) on Membrane Functions in Aging Rat Brain Regions. 34th Annual conference of Clinical Biochemists of India (ACBICON 2007) **December 18th to 20th, 2007, Indian Habitat Center, New Delhi. (Abstract published in the Indian Journal of clinical biology**).
- Regulation of Glucose Homeostasis in experimental Diabetes by Insulin and Antidiabetic compounds Trigonella Foenum Graecum and Vanadium. 34th annual conference of Clinical Biochemists of India (ACBICON 2007) December 18th to 20th, 2007, Indian Habitat Center, New Delhi, India. **(Abstract published in the Indian Journal of clinical biology).**
- Effect of Experimental Diabetes on DNA Degradation, GLUT4 translocation and Membrane linked function in rat tissues and their reversal by insulin and antidiabetic compounds. **76th Annual meeting of Society of Biological Chemists (India), 25th to 27th November 2007. Sri Venkateswara University, Tirupati, India.**
- Oxidative Stress Related Alterations in Alloxan Diabetic Rats: Reversal By Antidiabetic Compounds. **75th Annual meeting of Society of Biological Chemists (India), New Delhi. 8th to 11th December 2006. School of Life Sciences, Jawaharlal Nehru University, New Delhi, India.**
- "Pyruvate Metabolism in Experimental Diabetes: Effect of Antidiabetic Compounds" in the **Annual Congress of Association of Clinical Biochemists of India (ACBICON) held in Jaipur, India in Feb 2003.**
- "Antioxidant Status in Alloxan Diabetic Rat Tissue: Reversal by Antioxidant Compounds" in the "international Conference on the **Role of Free Radicals in Health and Disease" held in King George Medical College, Lucknow, India in February 2003.**

	➢ " Combined doses of Vanadate and Fenugreek correct the altered levels of Pyruvate kinase, Phosphoenolpyruvate carboxykinase and Hepatocyte Nuclear factor – 4alpha in alloxan diabetic rat liver" in the **International Conference on "Emerging Trends in Molecular and Cellular Biology" held in the School of Life Sciences, Jawaharlal Nehru University, New Delhi, India.** ➢ "Changes in Key Enzymes of Metabolic Pathways of Diabetic Rat Tissue with Oral Hypoglycemic Compounds" **for International Diabetes Federation held in Paris.**
Workshops / Seminars attended	➢ Orientation and Training Program for New Faculty held at King Faisal University, Al-Ahsa ➢ Establishing Data Analysis and Reporting System Based on NCAAA Requirement organized at Coral Plaza, Al-Ahsa ➢ Quality Requirements in Distance and E-Learning Management system organized at Coral Plaza, Al-Ahsa