Dr. Farah Naz Talpur

Publications

- 1. **Farah N Talpur** and M. I .Bhanger. Seasonal changes in conjugated linoleic acid in Ruminant milk fat under tropical conditions of Pakistan .*Current topics in Dairy Production,* Volume 11. Published by: **University Printing Service Sydney, Australia.** 132-135. **2006**
- 2. **Farah N. Talpur**, M.I.Bhanger and M.Y. Khuhawar. Comparison of fatty acids and cholesterol contents in the milk of Pakistani cow breed , Journal of Food Composition and Analysis, 19, 698 703, 2006
- 3. **Farah N Talpur,** M. I .Bhanger and M.Y. Khuhawar. Intramuscular fatty acid profile of longissimus dorsi and semitendinosus muscle from kundi steers fed pasture with cotton seed cake supplement. **International Journal of Food Science and Technology,** 42, 1007–1011, **2007.**
- 4. **Farah N Talpur**, M.I. Bhanger and Nusrat N. Memon. "Fatty acid composition with emphasis on conjugated linoleic acid and cholesterol content of Pakistani dairy products". **Polish Journal of Food Science and Nutrition**, 58,317-324 **2008**.
- 5. **Farah N Talpur**, M.I. Bhanger and S.T. H. Sharazi. "Intramuscular fatty acid profile of longissimus of dorsi and semitendinosus muscle from pateri goats fed under traditional feeding system of Sindh, Pakistan". **Meat Science**, 80 (3), 819-822, **2008**.
- 6. **Farah N. Talpur**, M. I. Bhanger, A. H. Khuharo, G. Zuhra Memon .Seasonal variation in fatty acid composition of milk from ruminants reared under the traditional feeding system of Sindh, Pakistan. **Livestock Science**, 118 (1) 166-172, **2008.**
- 7. **Farah N. Talpur**, M. I. Bhanger, A. U. Rahman, G. Zuhra Memon .Application of factorial design in optimization of anion exchange resin based methylation of vegetable oil and fats. **Innovative Food Science and Emerging Technologies**, 9 (4) 608-613, **2008**.
- 8. **Farah. N. Talpur**, M. I. Bhanger and Nusrat N. Memon. Milk fatty acid composition of goat and ewe indigenous breeds from Sindh, Pakistan. **Journal of Food Composition and Analysis**, 22 (1) 59-64, **2009**
- 9. Mohammad Imran, **Farah. N. Talpur,** M. Ishtiaq Jan, Asifullah Khan, Ikhtiar Khan. Analysis Of Nutritional Components Of Some Wild Edible Plants. **Journal of Chemical Society of Pakistan,** 29, 500-508, **2007.**
- 10. **Farah N Talpur** and M. I. Bhanger Conjugated linoleic acid: A mixture of bio-active fatty acids in milk fat of ruminants. **Pakistan Journal of Analytical Chemistry**, 6, 22-27, **2005.**
- 11. Farah N Talpur, M .I. Bhanger and Nusrat N. Memon . "Comparison of fatty acids and cholesterol contents in the milk of PakistaniWater buffalo breed". Pakistan Journal of Environmental and Analytical Chemistry, 15-20, 2007.
- 12. Farooq Anwar, Rehana Naseer, M.I.Bhanger, Samia Ashraf, **Farah N Talpur** and Felix Adekunle Aladedunye. "Physico-Chemical Characteristics of Citrus Seeds and Seed Oils from Pakistan". **Journal of the American Oil Chemists' Society**, 85:321.330, **2008**.

- 13. G. Zuhra Memon, M. I. Bhanger, Mubeena Akhtar, **Farah N. Talpur** and Jamil R. Memon. "Adsoprtion of methyl parathion pesticide from water using watermelon peels as a low cast sorbent". **Chemical Engineering Journal**, 38:616-621, **2008**.
- 14. Sadia Ali, Farooq Anwar, Samia Ashraf , **Farah N. Talpur**, Muhammad Ashraf. Evaluation of Canola Seeds of Different Cultivars with Special Emphasis to Quantification of Erucic acid and Glucosinolates. **Grasas y Aceites**, , 5, 45-55, **2008**
- 15. G. Yasin, T. M. Ansari, S. M. S. R. Naqvi and **F. N. Talpur**. Analytical Studies on the Quality and Environmental Impact of Commercial Motor Gasoline Available in Multan Region of Pakistan. **Pak. J. Anal. Environ. Chem.** 9 (2), 84, **2008.**
- 16. Sarfraz Arain, S. T. H. Sherazi, M I. Bhanger, **Farah N. Talpur** and S. A. Mahesar, oxidative stability assessment of bauhinia purpurea seed oil with comparison to two conventional vegetable oils by differential scanning calorimetry and rancimat methods, **Themochemica Acta**, 484, 1-3, **2009**.
- 17. Nusrat N. Memon, **Farah. N. Talpur** and M. I. Bhanger. A comparison of proximate composition and fatty acid profile of Indus River fish species. International Journal of Food Properties, 13 (2), 328 337, 2010.
- 18. M. Q. Samejo, D. K. Burdi, M. I. Bhanger, **Farah. N. Talpur**, K. M. Khan. Identification of hydrocarbons From abies pindrow leaves. **Chemistry of Natural Compounds**, Vol. 46, No. 1,132-134 **2010**
- 19. Nusrat N. Memon, S. T. H. Sherazi, **Farah. N. Talpur** and M. I. Bhanger, A simple gas chromatographic method for the quantification of total cholesterol in fish meats, **AOAC-International**, 93(4), 1249-1254, **2010**.
 - 20. Ayhan S. Demir and **Farah N. Talpur**. Chemoenzymatic Conversion of Linoleic Acid into Conjugated Linoleic Acid. J. Agric. Food Chem. 58, 1646–1652, 2010.
- 21. Nusrat N. Memon. **Farah. N. Talpur** and M. I. Bhanger. Nutritional aspects and seasonal influence on fatty acid composition of carp (Labeo rohita) from the river Indus, Pakistan., *Polish* **Journal of Food and Nutrition Sciences**. 217-223. **2010**.
- 22. Nusrat.N. Memon, **Farah. N. Talpur,** S. T. H. Sherazi and M. I. Bhanger. Impact of Refrigerated Storage on Quality of Oil from Freshwater Jarko (Wallago attu) Fish. **Pak. J. Anal. Environ. Chem.** 11(2), 31-36, **2010**.
- 23. Saba Naz, S.T.H. Sherazi, **Farah. N. Talpur.** Changes of Total Tocopherol and Tocopherol Species during Sunflower Oil Processing, **Journal of American Chemists Society** (JAOCS), 88 (2), 127-132, **2010.**
- 24. Aamna Balouch, Muhammad I. Bhanger, **Farah N Talpur**, Willie L Hinze. Determination of nickel (II) with picolinaldehyde-4-phenyl-3-thiosemicarbazone used as chromogenic reagent in non-ionic micellar system. **Turkish Journal Of Chemistry**, 35, 925-937, **2011**
- 25. Nusrat N. Memon, **Farah N. Talpur,** M.I. Bhanger, Aamna Balouch. Changes in fatty acid composition in muscle of three farmed carp fish species (Labeo rohita, Cirrhinus mrigala, Catla catla) raised under the same conditions. **Food Chemistry**, 126, 405–410, **2011.**
- 26. Ayhan S. Demir, **Farah N. Talpur**, S. Betul Sopaci, Gert -W. Kohring, Ayhan Celik. Selective oxidation and reduction reactions with cofactor regeneration mediated by galactitol-, lactate-, and formate dehydrogenases immobilized on magnetic nanoparticles. **Journal of Biotechnology** 152, 176–183, **2011.**

- 27. Saba Naz, Sayed Tufail Hussain Sherazi, **Farah N Talpur**, Sarfaraz A Mahesar, Huseyin Kara.Rapid determination of free fatty acid content in waste deodorizer distillates using single bounce-attenuated total reflectance-FTIR spectroscopy. **J AOAC Int**, , 95(6):1570-3, **2012**.
- 28. Saba Naz, S.T. H. Sherazi. **Farah N. Talpur**, M.Younis Taplur, Huseyin Kara, Determination of Unsaponifiable Constituents of Deodorizer Distillates by GC–MS, **Journal of American oil Chemists Society** (JAOCS), 89, 973-977, **2012**.
- 29. Shaista Khan, Allah Bux Ghanghro, A N.Memon, Ibtessam Tahir, ,Afsheen Mushtaque Shah, Mumtaz Ali Sahito, **Farah N. Talpur**, and S.Qureshi. Quantitative Analysis of Wheat Proteins in Different Varieties Grown In Sindh, Pakistan. **Intl J Agri Crop Sci**. Vol., 5 (16), 1836-1839, **2013**
 - 30. H. Khan, **F. N. Talpur**, A. Shah, A. Balouch, Ultra Trace Spectrophotometric Determination of Chromium In Presence of Cationic Micellar Solution, Sindh Univ. Res. Jour. (Sci. Ser.) Vol.45 (1):141-148, 2013.
- 31. Aamna Balouch, Mazhar Kolachi, **Farah Naz Talpur**, Humaira Khan, M. I. Bhanger, Sorption Kinetics, Isotherm and Thermodynamic modeling of Defluoridation of Ground water using Natural Adsorbents, American Journal of Analytical Chemistry, Volume 4, No. 5, 2013 pages 1-10
- **32**. H. I. Afridi, T. G. Kazi, D. Brabazon, Sumsun Naher, **Farah Naz Talpur**, 2013, Comparative metal distribution in scalp hair of Pakistani and Irish referents and diabetic mellitus patients. Clinica Chimica Acta 415, Pages 207–214
- 33. H.I. Afridi, Tasneem Gul Kazi, Naveed Kazi, **Farah Naz Talpur**, Naeemullah, Sadaf Sadia Arain, Kapil Dev Brahman, 2013, Evaluation of status of arsenic, cadmium, lead and zinc Levels in Biological Samples of normal and arthritis patients of age groups (46-60) and (61-75) years. **Clinical Laboratory** 59(1-2):143-153
- 34. H.I. Afridi, Kazi TG, **Talpur FN**, Kazi N, Naeemullah FS, Arain SS, Brahman Kd, 2013, Evaluation of Calcium, Magnesium, Potassium and Sodium in Biological Samples (Scalp hair, serum, Blood and urine) of Pakistani referents and tuberculosis and diarrhea male human immunodeficiency virus patients. **Clinical Laboratory**, 59(5-6):539-550
- 35. H.I. Afridi, Kazi TG, **Talpur FN**, Kazi N, Naeemullah FS, Arain SS, Brahman KD, 2013, Distribution of Copper, Iron and Zinc in Biological Samples of Pakistani hypertensive Patients and referent subjects of different age group. **Clinical Laboratory**, 59(9-10):959-967
- 36. H. I. Afridi, T. G. Kazi, **F.N. Talpur**, D. Brabazon, Sumsun Naher, 2013, Estimation of toxic elements in the samples of different cigarette and their impact on human health of Irish hypertensive consumers. **Clinica Chimica Acta** 426, , Pages 51–57
- 37. H.I. Afridi, Kazi TG, Talpur FN, Kazi N, Naeemullah FS, Arain SS, Brahman KD

- , 2014, Interaction Between Selenium and Mercury in Biological Samples of Pakistani Myocardial Infarction Patients at Different Stages as Related to Controls. **Biological Trace Element Research** 158, Issue 2, pp 143–151
- 38. H.I. Afridi, T. G. Kazi, **F.N. Talpur**, D. Brabazon, 2014, Sumsun Naher, Relationship between toxic metals exposure via cigarette smoking and rheumatoid arthritis. **Clinical Laboratory** 60(10):1735-174
 - 39. H.I. Afridi, Kazi TG, **Talpur FN**, Arain S, Arain SS, Kazi N, Panhwar AH, 2014, Relationship between toxic metals exposure via cigarette smoking and rheumatoid arthritis. **Clinical Laboratory**, 60(8):1309-1318
- 40. H. I. Afridi, T. G. Kazi, **F.N. Talpur**, D. Brabazon, Sumsun Naher , 2014, Interaction between essential elements selenium and zinc with cadmium and mercury in samples from hypertensive patients. **Biological Trace Element Research** 160, Issue 2, pp 185–196
- 41. H.I. Afridi, Kazi TG, **Talpur FN**, Arain S, Arain SS, Kazi N, Panhwar AH, Brahman KD, 2014, Evaluation of chromium and manganese in biological samples (scalp hair, blood and urine) of tuberculosis and diarrhea male human immunodeficiency virus patients. **Clinical Laboratory** 60(8):1333-134
- 42. H. I. Afridi, T. G. Kazi, **F.N. Talpur**, D. Brabazon, Sumsun Naher, 2015, Assessment of toxic elements in the samples of different cigarettes and their effect on the essential elemental status in the biological samples of Irish hypertensive consumers. **Journal of Human Hypertension** 29, 309–315
- 43. H. I. Afridi, Tasneem Gul Kazi, **Farah Naz Talpur**, Atif Kazi, Sadaf Sadia Arain, Salma Aslam Arain, Kapil Dev Brahman, Abdul Haleem Panhwar, 2015, Assessment of selenium and mercury in Biological Samples of normal and night blindness children of age groups (3-7) and (8-12) years. **Environmental Monitoring and Assessment** 187:82-95
 - 44. H.I. Afridi, Kazi TG, **Talpur FN**, Brabazon D, 2015, Evaluation of trace and toxic elements in the samples of different cigarette and their impact on human health of Irish diabetes mellitus patients. **Clinical Laboratory** 61(1-2):123-140
 - 45. H.I. Afridi, Kazi TG, **Talpur FN**, Brabazon D, 2015, Estimation of toxic elements in the samples of different cigarettes and their effect on the essential elemental status in the biological samples of Irish smoker rheumatoid arthritis consumers. **Environmental Monitoring and Assessment** 187:157-172
- 46. H.I. Afridi, Kazi TG, **Talpur FN**, Brabazon D, 2015, Estimation of aluminum, arsenic, lead and nickel status in the samples of different cigarettes and their effect on human health of Irish smoker hypertensive consumers. **Clinical Laboratory** 61(9):1147-1156
- 47. H.I. Afridi, **Farah Naz Talpur**, Tasneem Gul Kazi, Naveed Kazi, Sadaf Sadia Arain, Faheem Shah, 2015, Estimation of calcium, magnesium, cadmium and lead in biological samples from paralysed quality control and production steel mill workers. **Environmental Monitoring and Assessment** 187:350-364

- 48. H.I. Afridi, T. G. Kazi, **F.N. Talpur**, D. Brabazon, 2015, Effect of trace and toxic elements of different brands of cigarettes on the essential elemental status of Irish referent and diabetic mellitus consumers. **Biological Trace Element Research** Volume 167, Issue 2, pp 209–224
- 49. Ghulam Yasin, Muhammad I. Bhanger, Tariq Mahmood Ansari, Syed M Sibtain Raza Naqvi, Muhammad Ashraf, Khizar Ahmad and Farah Naz Talpur. Quality and chemistry of crude oils Journal of Petroleum Technology and Alternative Fuels, 4(3), 53-63. 2013.
- 50. Zaheer, **F.N.Talpur**, H. Khan, H.I.Afridi, G.Q. Khaskheli, 2013, Determination of cadmium and zinc in vegetables with online FAAS after simultaneous preconcentration with 1, 5-diphenylthiocarbazone immobilized on naphthalene. **Food Additives & Contaminants: Part A**, Vol. 30, No. 1, 110–115.
- 51. Z.A. Chandio, **F.N. Talpur**, H. Khan, G.Q. Khaskheli, H.I. Afridi. **2013**, Online preconcentration using surfactant coated alumina modified with 1, 5-diphenylthiocarbazone and determination of cadmium in environmental samples by flame atomic absorption spectrometry. Analytical Letters, Volume 46, 2013 Issue 10, 1562-1572
- 52. Z.A. Chandio, **F.N. Talpur,** H. Khan, H.I.Afridi, G.Q. Khaskheli,2013, Online preconcentration of nickel (II) in textile effluent and soil samples by SDS coated alumina modified with dithizone mini-column coupled with FAAS. Analytical Methods, 2013,5, 4425-4429
- 53. S.A. Arain, H.I. Afridi, T.G. Kazi, **F.N. Talpur**, S.S. Arain, 2013, Investigation of alteration in the levels of iron and Copper in scalp hair samples of patients have different types of viral hepatitis. Biological Trace Element Research, Volume 156, Issue 1, pp 5–11.
- 54. Sana Jawaid, **Farah N. Talpur**, S.T. H. Sherazi, Shafi, N. Nizamani. Rapid detection of melamine adulteration in dairy milk by SB-ATR-Fourier transform infrared spectroscopy. **Food Chemistry**, **2013** 1;141(3):3066-71
- 55. Muhammad Ali Surhio, **Farah N. Talpur**, Shafi M. Nizamani, Farah Amin, Chui Wei Bong, Choon Weng Lee, M. A. Ashrafc and Muhammad Raza Shahd .Complete degradation of dimethyl phthalate by biochemical cooperation of the Bacillus thuringiensis strain isolated from cotton field soil . RSC Adv., 2014, 4, 55960-55966
- 56. Nusrat N. Memon. **Farah N. Talpur**. Muhammad I.Bhanger G. Zuhra. Memon. Moina A. Mughal, Kulsoom U.Abbasi. Sana Jawaid. Essential long chain polyunsaturated fatty acids in muscle tissue of freshwater fish Labeo calbasu under different cooking processes. OSR Journal of Agriculture and Veterinary Science (IOSRJAVS). Volume 7, Issue 10 Ver. II (Oct. 2014), PP 64-69
- 57. Abid Ali, **Farah N. Talpur**, Ayhan S. Demir, Aysun Cebeci, Sana Jawaid. A highly selective whole cell biocatalysis method for the production of two major bioactive conjugated linoleic acid isomers. **Biocatalysis and Agricultural Biotechnology, 2013** Volume 2, Issue 4, Pages 328–332

- 58. Z.A Chandio, **F.N. Talpur**, H. Khan,G.Q. Khaskheli, H.I. Afridi, **2014**, On-line preconcentration and determination of ultra trace amounts of mercury using surfactant coated alumina modified by dithizone with cold vapor atomic absorption spectrometry. RSC Advances, 4, 3326-3331.
- 59. A.H. Panwar, T.G. Kazi, H.I.Afridi, **F.N. Talpur**, N. Kazi, 2014, Distribution of Potassium, Calcium, Magnesium, and Sodium levels in Biological Samples of Pakistani hypertensive Patients and control subjects. Clinical laboratory (5+6/2014,56-63
- 60. S. Jawaid, **F.N. Talpur**, H.I.Afridi, S. A Nizamani, 2014, Quick determination of melamine in infant powder and liquid milk by Fourier Transform Infrared spectroscopy. Analytical Methods, 2014,6, 5269-5273
- 61. S.A. Arain, T.G Kazi, H.I.Afridi, **F.N. Talpur**, M. A. Mughal, F. Shah, S. S. Arain, A. H. Panhwar, 2014, Estimation of copper and iron burden in biological samples of various stages of hepatitis C and Liver cirrhosis patients, Biological trace element research journal 2014, Volume 160, Issue 2, pp 197–205.
- 62. T.G. Kazi, S.K. Wadhwa, H.I. Afridi, **F.N. Talpur**, M. Tuzen , J.A. Baig, 2015, Comparison of essential and toxic elements in esophagus, lung, mouth and urinary bladder male cancer patients with related to controls, Environmental Science and Pollution Research Volume 22, Issue 10, pp 7705–7715.
- 63. Wadhwa SK, Kazi TG, H.I.Afridi,, **Talpur FN**, Naeemullah, 2015, Interaction between Carcinogenic and Anti-carcinogenic trace Elements in the scalp hair samples of different types of Pakistani female cancer patients. Clinica Chimica Acta, 439, 15 January 2015, Pages 178–184.
- 64. Farah Amin, **Farah N. Talpur**, Aamna Baloch, Muhammad Ali Surhio, Muhammad Aqeel Bhutto Biosorption of fluoride from aqueous solution by white-rot fungus Pleurotus eryngii ATCC 90888 . *Environmental Nanotechnology, Monitering and Management*. May , **2015**, vol. 3, *30-37*
- 65. Tayyaba Shaikh, Ayman Nafady, **Farah N. Talpur**, Sirajuddin, Muhammad H. Agheem, Muhammad R. Shah, Syed Tufail H. Sherazi, Razium A. Soomro, Samia Siddiqui. Tranexamic acid derived gold nanoparticles modified glassy carbon electrode as sensitive sensor for determination of nalbuphine. *Sensors and Actuators B: Chemical*. Volume 211, **2015**, pages, 359-369.
- 66. Sadia Qamar Arain, **Farah Naz Talpur** and Naseem Aslam Channa. A comparative study of serum lipid contents in pre and post IFN-alpha treated acute hepatitis C patients. Lipids in Health and Disease **2015**, 14:117 doi:10.1186/s12944-015-0119-x.
 - 67. Sadia Qamar Arain, **Farah Naz Talpur**, Naseem Aslam Channaand Rehan Khan. Clinical Evaluation and Serum Lipid Profile between Individuals with Acute Hepatitis C. International Journal of Biochemistry Research & Review 6(1): 37-45, 2015, Article no.IJBcRR.2015.03

- 68. Zaheer Ahmed Chandio, **Farah Naz Talpur**, Mazhar Iqbal Khaskheli, Ghulam Quadir Khaskheli, Muhammad Yar Khuhawar, Jai Kumar Malhi & Farzana Kosar. Solid Phase Extraction of Cu (I) by Bathocuproine Modified on Naphthalene Prior to Flame Atomic Absorption Spectrometric Determination. Analytical Chemistry Letters .Volume 5, Issue 4, 2015, 183-191.
- 69. M.S. Arain, H. I. Afiridi, T.G. Kazi, **F.N. Talpur**, S.A. Arain, 2015, Correlation of aluminum and manganese concentration in scalp hair samples of patients having neurological disorders. Environmental Monitoring and Assessment. 187:10-22.
- 70. S.S. Arain, T. G. Kazi, H.I.Afridi,, **F.N. Talpur**, A. G. Kazi, K.D. Brahman, A.H. Panhwar, M.S. Arain, 2015, Scalp hair and blood cadmium levels in association with chewing gutkha, mainpuri and snuff, among oral cancer patients in Pakistan. Journal of Oral Pathology and Medicine, Volume 44, Issue 9, Pages 707–713
- 71. S. Jawaid, **F.N. Talpur**, S.M. Nizamani , N.N. Memon, H. I. Afridi, A.A. Khaskheli, 2015, Rapid in situ esterification method for the determination of benzoic acid in dairy milk by GC-FID. Food Analytical Methods, Volume 8, Issue 6, pp 1477–1483.
- 72. A.A. Khaskheli, **F.N. Talpur**, , M.A. Ashraf, A. Cebeci, H.I.Afridi, S. Jawaid, 2015, Monitoring the Rhizopus oryzae lipase catalyzed hydrolysis of castor oil by ATR-FTIR Spectroscopy. Journal of Molecular Catalysis B: Enzymatic, Volume 113, March 2015, Pages 56–61
- 73. S.S. Arain, T.G. Kazi, H. I. Afridi, **F.N. Talpur**, A.G. Kazi, K.D. Brahman, Naeemullah, A.H. Panhwar, M.A. Kamboh, 2015, Correlation of arsenic levels in smokeless tobacco products and biological samples of oral cancer patients and control consumers. Biological Trace Element Research, Volume 168, Issue 2, pp 287–295
- 74. S.S. Arain, T.G. Kazi, H.I. Afridi, **F.N. Talpur**, A.G. Kazi, K.D. Brahman, Naeemullah, A.H. Panhwar, 2015, Estimation of nickel in different smokeless tobacco products and their impact on human health of oral cancer patients. Nutrition and Cancer, Volume 67, 2015 Issue 7, 1063-1074.
- 75. SS Arain, TG Kazi, **HI Afridi**, Naeemullah, KD Brahman, **FN Talpur**, 2016, Arsenic speciation in artificial saliva extract of smokeless tobacco products by extraction methodologies coupled with electrothermal atomic absorption spectrometry. Microchemical Journal Volume 124, 2016, Pages 290–295.
- 76. S. Jawaid, **F.N. Talpur**, H.I. Afridi, S.A. Nizamani, 2015 Contamination profile of aflatoxin M1 residues in milk supply chain of Sindh, Pakistan. Toxicology Reports, Volume 2, 2015, Pages 1418–1422.

- 77. K.D. Brahman, T.G. Kazi, H.I. Afridi, S.S. Arain, A. Gul Kazi, **F.N. Talpur**, J.A. Baig, A.H. Panhwar, M.S. Arain, J. Ali, M. B. Arain, Naeemullah, 2016, Toxic Risk Assessment of Arsenic in Males through Drinking Water in Tharparkar region of Sindh, Pakistan. Biological Trace Element Research, volume 172, Issue 1, pp 61–71.
- 78. K.D. Brahman, T.G. Kazi, H.I. Afridi, .S. Arain, A. Gul Kazi, **F.N. Talpur**, J.A. Baig, A.H. Panhwar, M.S. Arain, J. Ali, M. B. Arain, Naeemullah, 2016, Exposure of children to arsenic in drinking water in the Tharparkar region of Sindh, Pakistan. Science of total environment journal, Volume 544, 2016, Pages 653–660.
- 79. F. Amin, **F.N. Talpur**, A. Balouch, M.A. Suriho, Z.A.Candio, H. I. Afridi, 2016, Biosorption of Mercury(II) from Aqueous Solution by Fungal Biomass Pleurotus eryngii: Isotherm, Kinetic, and Thermodynamic Studies. Environmental Progress & Sustainable Energy, Volume 35, Issue 5, 2016, Pages 1274–1282.
- 80. S. Jawaid, **F. N. Talpur**, S.M. Nizamani, A.A. Khaskheli and H. I. Afridi, **2016**, Multi pesticide residue levels in UHT and raw milk samples by GC-μECD after QuEChER extraction method. Environmental Monitoring and Assessment188:230-236
- 81. T.G. Kazi, K. D. Brahman, H. I. Afridi, M. B. Arain, **F. N. Talpur**, A. Akhtar, 2016, The effects of arsenic contaminated drinking water of livestock on its total levels in milk samples of different cattle: Risk assessment in children. Chemosphere Volume 165, 2016, Pages 427–433
- 82. Tarique Panhwar, Sarfaraz Ahmed Mahesar, Abdul Waheed Mahesar, Aftab Ahmed Kandhro, Farah Naz Talpur, Zahid Hussain Laghari, Abdul Sattar Chang, Syed Tufail Hussain Sherazi, Characteristics and Composition of a High Oil Yielding Castor Variety from Pakistan. Journal of Oleo Science [01 Jan 2016, 65(6):471-476
- 83. A. Akhtar, **H.I. Afridi**, T.G. Kazi, **F.N. Talpur**, S.S. Arain, J.A.Baig, N. Khan, M. Khan, M. Bilal, 2016, Chromium exposure in the adult population, consuming different types of smokeless Tobacco products in Pakistan. Biological Trace Element Research: doi:10.1007/s12011-016-0801-5
- 84. A.A. Khan, T. G. Kazi, H. I. Afridi, **F. N. Talpur**, N. Khan, M. Khan, M. Bilal, 2016, Vortex assisted ionic liquid dispersive liquid-liquid micro extraction for assessment of chromium species in artificial saliva extract of different chewing tobacco products. Environmental Science and Pollution Research, **23**, pages25288–25298.
- **85. H. I. Afridi**, T.G. Kazi, S. A.Arain, **F.N. Talpur**, Z. Pirzado, 2017, Estimate the Levels of Copper in Serum Samples of Hepatitis C Patients at Different Stages after Interferon- α Therapy. Pharmaceutica Analytica Acta, 7: 500, DOI: 10.4172/2153-2435.1000500

- 86. S. Baloch, T.G. Kazi, H. I. Afridi, J.A. Baig, **F.N.Talpur**. M. B. Arain, 2017, Correlation of lithium levels between drinking water obtained from different sources and scalp hair samples of adult male subjects. Environmental Geochemistry and Health. 2016 Nov 1;227(11):423.
- 87 . O.M. Sahito, T.G. Kazi, H.I. Afridi, J.A. Baig, **F.N. Talpur**, S. Baloch, N.S. Memon, N.G. Kori, 2016, Assessment of toxic metal uptake by different vegetables grown on soils amended with poultry waste: Risk assessment. Water, Air, & Soil Pollution 2016, 227:423-428
- 88. Kazi TG, Baloch S, HI Afridi, **Talpur FN** and Sahito OM, 2017, Variation of Lithium Contents in Scalp Hair Samples of Different Male Psychiatric Patients Before and After Treatment with its Pharmaceutical Supplements. Pharmaceutica Analytica Acta, 2016;7:520-6.
- 89. T.G. Kazi, S.K. Wadhwa, H.I. Afridi, **F.N. Talpur**, A. A. Siddiqui, 2017, Evaluation of Essential and Toxic Elements in Blood Samples of Male Smokers Having Different Types of Cancers with Reference to Healthy Male Smokers. Journal of Clinical Medicine Research Updates.**Impact Factor** of journal **(Source: web of science): 1.15**
- 90. Kapil D. Brahman, Tasneem G. Kazi, Hassan I. Afridi, Sadaf S. Arain, Atif G. Kazi, **Farah Naz Talpur**, Jameel A. Baig, Abdul H Panhwar, Mariam S Arain, Jamshed Ali, Mohammad B. Arain, Naeemullah, Toxic Risk Assessment of Arsenic in Males through Drinking Water in Tharparkar region of Sindh, Pakistan. Biological Trace Element Research. 2016 Jul 1;172(1):61-71
- **91. Farah NT**, Ariba K, Sirajuddin and Hassan IA, Analytical Characterization of Guar and Guar Gum Produced in Sindh, Pakistan. Food Science and Nutrition Technology (2016) 1(2): 000110
- 92. Sadia Qamar Arain, **Farah Naz Talpur**, Naseem Asalm Channa, Muhammad Shahbaz Ali, **Hassan Imran Afridi**, Serum lipid profile as a marker of liver impairment in hepatitis B Cirrhosis patients. Lipids in Health and Disease. 2017 Dec 1;16(1):51
- 93. Muhammad Ali Suriho, Farah Naz Talpur, **Hassan Imran Afridi**, Leaching of phthalate esters from different drinking stuffs and their subsequent biodegradation. Environmental Science and Pollution Research. 2017 Aug 1;24(22):18663-71.
- 94. Farah Amin, Farah Naz Talpur, Aamna Balouch, Mohammad Ali Suriho, Hassan Imran Afridi, Ecoefficient fungal biomass for the removal of Pb(II) ions from water system: A sorption process and mechanism. International Journal of Environmental Research. 2017 Aug 1;11(3):315-25.
- 95. Abid Ali Khaskheli, **Farah Naz Talpur**, aysun cebeci, Sana Jawaid, Muhammad Ali Surhio, Hassan Imran Afridi, One-pot conjugated linoleic acid production from Castor oil by Rhizopus oryzae lipase and resting

- cells of Lactobacillus plantarum" Bioscience, Biotechnology, and Biochemistry Journal. 2017 Oct 3;81(10):2002-8.
- 96. Shazia Burgari, **F.N. Talpur**, S.M. Nizamani, H.I. Afridi, Isolation of Bacillus Cereus from botanical soil and subsequent biodegradation of waste engine oil. International Journal of Environmental Science and Technology. 2018 Jul 1;15(7):1453-66
- 97. Farah Amin, **Farah Naz Talpur**, Aamna Balouch, Hassan Imran Afridi, Muhammad Ali Surhio Statistical methodology for biosorption of nitrate ions from aqueous solution by Pleurotus eryngii fungal biomass. Modeling Earth Systems and Environment Journal. 2017 Sep 1;3(3):1101-12.
- 98. Sehrish Talpur, Tasneem G. Kazi, Hassan I. Afridi, **Talpur FN**, Nizamani S, Lashari A, Ultrasonically dispersed ionic liquid based microextraction of lead in the biological samples of malnourished children prior to analysis by flame atomic absorption spectrometry. Journal of AOAC INTERNATIONAL. 2018 May 1;101(3):883-90.
- 99. Zaheer A. Chandio, **Farah N. Talpur**, Humaira Khan, Ghulam Quadir Khaskheli, H.I. Afridi. Development of online method for simultaneous preconcentration of Cd, Cu, Ni and Zn in environmental samples using modified alumina. Analytical Chemistry Letters Journal. 2017 Sep 3;7(5):655-62
- 100. Sehrish Talpur, Hassan I Afridi, Tasneem G Kazi, **Farah Naz Talpur**, Interaction of Lead with Calcium, Iron and Zinc in the Biological Samples of Malnourished Children. Biological Trace Element Research (2017). 228, no. 10, 386.
- 101. Muhammad Ali Suriho, **Farah Naz Talpur**, Hassan Imran Afridi, Effective Bioremediation of Endocrine Disrupting Phthalate Esters, Mediated by Bacillus strains. Water, Air, & Soil Pollution. 228, no. 10 (2017): 386.
- 102. M.K. Talpur, **F.N. Talpur**, A. Balouch, S.M. Nizamani, M.A. Surhio, M.R. Shah, M.I. Bhanger, H.I. Afridi, Analysis and Characterization of Anthocyanin from Phalsa (Grewia asiatica). MOJ Food Processing & Technology. 2017;5(3):00127.
- 103. Shaikh, T., Pandey, A., Sirajuddin, **Talpur, F.N.**, Kaushik, A., Niazi, J.H. Gold nanoparticles based sensor for in vitro analysis of drug-drug interactions using imipramine and isoniazid drugs: A proof of concept approach. Sensors and Actuators, B: Chemical Volume 252, November 2017, Pages 1055-1062
- 104. Shaikh, T., Ibupoto, Z.H., **Talpur, F.N** Sirajuddin, Abdul Rauf Khaskheli, Muhammad H. Agheem, Samia Siddiqui, Aneela Tahira, Willander, M., Yu, C. Selective and Sensitive Nitrite Sensor Based on Glassy Carbon Electrode Modified by Silver Nanochains. Electroanalysis Volume 29, Issue 2 February 2017 Pages 415–422
- 105. Tayyaba Shaikh, SiraJ uddin, **Farah N. Talpur**, Abdul R. Khaskeli, Muhammad H. Agheem, Muhammad R. Shah, Tufail H. Sherazi, Samia Siddiqui, Ultrasensitive Determination of Piroxicam at

- Diflunisal-Derived Gold Nanoparticle-Modified Glassy Carbon Electrode. Journal of Electronic Materials October 2017, Volume 46, Issue 10, pp 5957–5966
- 106. F. Amin, **F.N. Talpur**, A. Balouch, A.A. Khasheli, H.I. Afridi, Efficient entrapping of toxic lead ion from aqueous system on fixed-bed column of fungal biosorbent. Geology, Ecology, and Landscapes.39-44, Volume 2, 2018
- 107. Sadia Qamar Arain, Farah Naz Talpur, Naseem Aslam Channa, Muhammad Shahbaz Ali, Hassan Imran Afridi, Serum lipids as an indicator for the alteration of liver function in patients with hepatitis B. Journal Lipids in Health and Disease. (2018) 17, 36, 2018.
- 108. Farah Amin, **Farah Naz Talpur**, Aamna Balouch, Muhammad Kashif Samoon, Hassan Imran Afridi and Muhammad Ali Surhio, Utilization of Pleurotus eryngii biosorbent as an environmental bioremedy for the decontamination of trace cadmium(II) ions from water system. Water Science & Technology 78(5):1148-1158, 2018|.
- 109. Hasan Imran Afridi, Tasneem Gul Kazi, **Farah Naz Talpur**, Correlation of Calcium and Magnesium Levels in the Biological Samples of Different Types of Acute Leukemia Children. Biological Trace Element Research.186, pages395–406(2018)
- 110. Shoaib Ahmed Hab, Farah N. Talpur, Jameel Ahmed Baig, Hassan Imran Afridi, Marvi Kanwal Talpur, Leaching And Exposure Of Phthalates From Medical Devices; Health Impacts And Regulations. Environmental Contaminants Reviews (ECR) 1(2) (2018) 13-21
- 111. Palwasha Nizamani, Hassan Imran Afridi, Tasneem Gul Kazi, **Farah Naz Talpur**, Jameel Ahmed Baig, Essential trace elemental levels (zinc, iron and copper) in the biological samples of smoker referent and pulmonary tuberculosis patients. Toxicology Reports Volume 6, 2019, Pages 1230-1239.
- 112. Raheela Imam, Muhammad Rafiq, Zhanwu Sheng, Syed Habib Ahmed Naqvi, **Farah Naz Talpur**, Amr Abdelkhalek Ahmed Mohamed & Muhammad Asif Jokhio, Evaluation of Physicochemical Properties and Antimicrobial Activity of Essential Oils from Seeds of Prosopis juliflora, P. glandulosa and P. cineraria. Journal of Essential Oil Bearing Plants . 22 (2) 2019 pp 554 562
- 113. Abdullah, , Aamna Balouch, **Farah Naz Talpur**, Ameet Kumar, Muhammad Tariq Shah, Ali Muhammad Mahar, Amina, Synthesis of ultrasonic-assisted lead ion imprinted polymer as a selective sorbent for the removal of Pb2+ in a real water sample. Microchemical Journal 146 (2019) 1160–1168.
- 114. Samia Siddiqui, Ayman Nafady, Hussein M. El-Sagher, Sameerah , Al-Saeedi, Ali M. Alsalme, Sirajuddin, **Farah N. Talpur**, Syed Tufail H. Sherazi, Muhammad S. Kalhoro, Muhammad R. Shah, Tayyaba Shaikh, Munazza Arain, Suresh K. Bhargava, Sub-ppt level voltammetric sensor for Hg2+ detection based on nafion stabilized l-cysteine-capped Au@Ag core-shell nanoparticles. Journal of Solid State Electrochemistry (2019) 23:2073–2083

- 115. Ali Muhammad Mahar, Aamna Balouch, **Farah Naz Talpur**, Abdullah, Sirajuddin, Ameet Kumar1 Pirah Panah1 Muhammad Tariq Shah, Synthesis and Catalytic Applicability of Pt—Pd ITO Grown Nano Catalyst: An Excellent Candidate for Reduction of Toxic Hexavalent Chromium. Catalysis Letters.149(9).
- 116. Abdul Hameed Pato, Aamna Balouch, **Farah Naz Talpur**, Abdullah, · Ali Muhammad Mahar, Muhammad Tariq Shah, Ameet Kumar, · Fahad , Sana Qasim , Asif Ali Gabole, Synthesis and catalytic practicality of titania@ITO-grown nanofakes: an excellent candidate for isopropanol conversion to
- 117. Khan, A., **Talpur, F.N**., Afridi, H.I. Accumulation of Essential and Trace Elements in Guar (Cyamopsis tetragonoloba) and Guar Gum Cultivated in Semi-arid Regions of Sindh, Pakistan. Biological Trace Element Research. 2020 Apr;194(2):581-8.
- 118. R Shahid, TG Kazi, HI Afridi, **FN Talpur,** A Akhtar, JA Baig. Deep-eutectic-solvent-based dispersive and emulsification liquid—liquid microextraction methods for the speciation of selenium in water and determining its total content levels. Analytical Methods .2020. 12 (43), 5186-5194.
- 119. AM Mahar, A Balouch, **FN Talpur**, P Panah, R Kumar, A Kumar, AH Pato. Fabrication of Pt-Pd@ ITO grown heterogeneous nanocatalyst as efficient remediator for toxic methyl parathion in aqueous media. Environmental Science and Pollution Research. 2020. 27 (9), 9970-9978
- 120. MH Jaspal, S Ali, N Rajput, M Naeem, **FN Talpur**, I Rehman. Fatty acid profiling and comparative evaluation of carcass cut up yield, meat quality traits of Cobb Sasso, commercial broiler and native aseel chicken. Pure and Applied Biology (PAB).2020. 9 (1), 56-65
- 121. Marvi Kanwal Talpur, **Farah Naz Talpur**, AamnaBalouch1, Shafi M. Nizamani, Muhammad Ali Surhio, Muhammad Raza Shah, Muhammad Iqbal Bhanger, Hassan Imran Afridi and Shagufta Qambrani . Pakistan Journal of Analytical & Environmental Chemistry 2021. 22 (1), 44-52
- 122. K Rajput, HI Afridi, TG Kazi, **FN Talpur**, JA Baig. Sodium, Potassium, Calcium, and Magnesium in the Scalp Hair and Blood Samples Related to the Clinical Stages of the Parkinson's DiseaseBiological Trace Element Research, 2021. 199(11)
- 123. A Lashari, HI Afridi, TG Kazi, **FN Talpur**, JA Baig.Chromium, Manganese and Zinc Levels in the Biological Samples of Type 1 Diabetic Mellitus Children, Reside in Different Areas of Sindh, Pakistan. Journal of The Chemical Society of Pakistan.2021. 43 (3), 260
- 124. HI Afridi, Q Solangi, TG Kazi, **FN Talpur**, JA Baig, GQ Chanihoon. Calcium and Lead Levels in the Biological Samples and Their Effect on the Biochemical Parameters of Indoor and Outdoor Workers of Five Zonal Areas of Coal Mining Field. American Journal of Analytical Chemistry. 2021. 12 (6), 260-276

- 125. A Lashari, HI Afridi, TG Kazi, **FN Talpur**, JA Baig, GQ Chanihoon Interaction between Cadmium and Zinc Levels in the Biological Samples of Type 1 Diabetic Mellitus Children, Reside in Different Areas of Sindh, Pakistan. American Journal of Analytical Chemistry.2021. 12 (6), 241-259
- 126. HI Afridi, TG Kazi, **FN Talpur**, JA Baig, GQ Chanihoon, A Lashari. Elemental Concentrations in Biological Samples of Coronavirus Disease (COVID-19) and Other Pulmonary Disease Patients. American Journal of Analytical Chemistry.2021. 12 (5), 162-187
- 127. S Saman, A Balouch, **FN Talpur**, AA Memon, BM Mousavi, F Verpoort. Green synthesis of MgO nanocatalyst by using Ziziphus mauritiana leaves and seeds for biodiesel production Applied Organometallic Chemistry, 2021. 35 (5), e6199
- 128. GQ Chanihoon, HI Afridi, **FN Talpur**, TG Kazi, JA Baig. Interaction Between Essential (Zn) and Toxic (Cd) Elements in Different Stages of Female Breast Cancer Patients, Resident in Different Cities of Sindh, Pakistan . Biological Trace Element Research, 2021. May 31.

doi: 10.1007/s12011-021-02757-4

129. M Waris, JA Baig, **FN Talpur**, HI Afridi, TG Kazi, H Yousaf. Evaluation of selected halophytes for phytoextraction of Co, Cu, Zn and capability of desalination of saline soil. International Journal of Environmental Science and Technology, 2021. DOI:10.1007/s13762-021-03269-3

Book Chapter

Farah Naz Talpur. **Molecular Spectroscopy** (Chapter 10); in "**Principles of Analytical Chemistry**" for postgraduate students by Haq Nawaz Bhatti published by Carvan Book House.

Paper Presented in International Conference

- **1.** 4th International Turk-Pak Conference on Chemical Sciences (ITPCCS 2017) October 26–28, 2017 Konya, **Turkey.**
- 2. Irish Mass Spectrometry Society Annual Conference, **5th June 2014**, Moran's Red Cow Hotel, Naas Road, Dublin 22, **Ireland**
- **3.** 2. 3D Bioprinting Symposium, (Building on current Australian– European collaborations in 3D Bioprinting) **14 & 15 June 2014**, Dublin city university, **Ireland.**
- 3rd Pak Turk Conference on Chemical Sciences, Uludag University, Bursa, Turkey,
 September 13-15, 2012.

- 4. The International conference on Enzyme Science and Technology (ICEST, 2011), Pine pay Holiday Resort-Kusadasi, Organized by Ege University Izmir, Turkey, 31st October-4th November 2011
- **5.** 7th Nanoscience and Nanotechnology Conference -V11, Dept. Of Chemistry, Sabanci University **Istanbul**, **Turkey**. 27th June-1st July **2011**.
- **6.** 24.Usual Chemistry conference Zonguldak Karaelmas University, **Zonguldak, Turkey**, 29 June-2nd July **2010**.
- **7.** 23.National Chemistry conference, Cumhuriyet University-Faculty of Arts and Science, Dept. of Chemistry, **Sivas, Turkey**, 16-20 July **2009**.
- Ninth International Conference on Agri Food and Antiboties, at Thon Hotel Vetter, Asker Norway, September 10 -13th, 2007.
- **9.** Pak-Turkey Workshop on Chemical Sciences, University of Selcuk, **Konya, Turkey** April 26 to 28th, **2007.**
- **10.** 24th Palm oil familiarization programme organized by MPOB, July 25- 4 August , Mutiaria hotel, **Kula lampur Malaysia, 2004.**

Paper Presented in National seminars and conferences

- 1. 1st International conference on environment and sustainable Development (NCESD-2019), organized by Department of Environmental Sciences, Sindh Madressatul Islam University, Karachi, March 29th 2019 at SMI Karachi (As invited speaker).
- **2.** 2nd International Conference on Chemical Sciences, organized by Department of Chemical Engineering, Mehran University of Engineering & Technology Jamshoro, Pakistan at Movenpick Hotel Karachi, 22nd- 23rd January 2018. (As invited speaker).
- **3.** 27th National and `15th international Chemistry Conference, Malakand University, 22-25 August 2016, Malakand KPK. (As Invited Speaker).

- **4.** 26th National and 14th National Chemistry Conference, University of Bahawalpur, 5-8th October, 2015, Bahawalpur, Punjab.
- **5.** 25th National and 13th International Chemistry Conference, Institute of Chemistry, University of the Punjab, 20 22 October, 2014, Lahore, Pakistan.
- **6.** 24th National and 12th International Chemistry Conference, Institute of Chemical Sciences, Bahauddin Zakriya University, Multan October 28 30, 2013, Multan Punjab.
- **7.** 23rd National and 11th International Chemistry, National Center of Excellence in Physical Chemistry and Institute of Chemical Sciences, University of Peshawar, Peshawar. October 15-17, 2012, Peshawar, KPK.
- **8**. International Conference on Current Technologies in Oils and Fats, NCEAC University of Sindh, Jamshoro, Pakistan. 21 23 March, **2011.**
- **9.** 1st International Chemistry Conference and its Role in Sciences (ICCRS-1), Dept. Of Chemistry, Jinnah University for Women, **Karachi, Pakistan**, January 3-5-**2011**.
- **10**. 22nd National and 10th International Chemistry Conference, Department of Chemistry and Biochemistry, Agriculture University of Faisalabad, November, 21-23, 2011, Faisalabad, Punjab.
- **11**. International Conference on Sustainable Water Management. Mehran University of Engineering & Technology, **Jamshoro**, **Pakistan**. September 15-17, **2010**.
- 12. 2^{nd} Pak-Turk seminar on chemical sciences. NCEAC, University of Sindh Jamshoro , **Pakistan** . Feburary 11-13, 2010
- **13.** Ist Junior National Chemistry Symposium Under the age of 35 Muzaffarabad, Azad **Kashmir Pakistan**, October 19-22, **2008**.
- **14.** First Regional Workshop on Urban Water Demand Management (UWDM), Indus Hotel **Hyderabad**, **Pakistan**. August 27-28, **2008**.
- **15.** 18th National Chemistry Conference, organized by Institute of Chemistry, University of the Punjab, Lahore, Pakistan. February 25-27th, **2008**, Lahore Punjab.
- **16.** 1st National workshop on food processing, Challenges and opportunities in Pakistan, Mehran University, Of Engineering and Technology, **Jamshoro**. April 23-26, **2007**.
- **17.** 16th National Chemistry and 6th International Conference , Bahauddin Zakariya University, **Multan-Pakistan**, April 6th , **2006**, **Multan , Punjab**.
- **18.** 9th Symposium on Analytical and Environmental Chemistry, Baragali Campus, University of **Peshawar, Pakistan**, July 24th -26th, **2006.**
- **19.** University-Industry interaction Seminar on .Prospectus of University Research in Industry. by NCEAC, University of Sindh, **Jamshoro-Pakistan**, March 17th, **2005.**

- **20.** 8th International Symposium on Analytical and Environmental Chemistry, NCEAC, University of Sindh, **Jamshoro-Pakistan**, 18-20 February **2005**
- **21.** 5th International & 15th National Chemistry Conference, Quaid-e-Azam University, **Islamabad- Pakistan. 2005**
- **22.** International Training Workshop on Patent System, December 02 . 04, 2005, *NCEAC, Jamshoro,* Pakistan.
- **23.** 4th International & 14th National Chemistry Conference, PCSIR Labs. Complex, **Lahore-Pakistan**, May 16-18, **2004**
- **24.** 24th Palm oil familiarization programme organized by MPOB, July 25- 4 August, Mutiaria hotel, **Kula lampur Malaysia**, **2004**.
- **25.** National Symposium on Analytical and Environmental Chemistry, NCEAC, University of Sindh, **Jamshoro**, March 4th -5th, **2003**.
- **26.** 7th National Symposium on Analytical and Environmental Chemistry, NCEAC, University of Sindh, **Jamshoro-Pakistan**, March 4th -5th, **2003.**
- **27.** Pakistan-Bangladesh-Iran International Seminar on Analytical Sciences, NCEAC, University of Sindh, **Jamshoro- Pakistan**, Dec. 8-9, **2003.**
