

# Dr. Ayaz Ali Memon

## Publications

### Book/Book Chapter (International)

- **Book Chapter - Cold pressed *Torreyia grandis* kernel Oil (Ch-4) International 2020, Pages 31-38** Abdul Hafeez Laghari, Aftab Ahmed Kandhro, **Ayaz Ali Memon**. "***Cold Pressed Oils Green***" *Technology, Bioactive Compounds, Functionality, and Applications*" <https://doi.org/10.1016/B978-0-12-818188-1.00004-9> Copyright © 2020 Elsevier Inc. All rights reserved

### Papers Publications

#### 2021

1. **Advances in Breast Cancer Research**-----**Accepted April 26<sup>th</sup> 2021**  
Ghulam Qadir Chahiyoon, **Ayaz Ali Memon**, Huma Ishaque Shaikh, Ahsanullah Unar, Sanam Erum Soomro, An AAS Dependent Method for Quantitative Essential Elements Analysis of Pakistani Female Breast Cancer Blood and Serum Samples" has been accepted for publication
2. **Journal of the Chemical Society of Pakistan**-----**December 2021, 43, 06, I.F. = 0.300**  
Fouzia Chang, Najma Memon, Shahabuddin Memon, **Ayaz Ali Memon**, Saddam Hussain Bughio, Muhammad Nawaz Tahir, Abdul Sattar Chang, Self-assembled synthesis and characterization of novel [Co(1-vinylimidazole)<sub>6</sub>].NO<sub>3</sub> polymer: highly efficient antimicrobial agent" Acceptance date: 24<sup>th</sup> May 2021
3. **International Nano letters**-----**Accepted April 2021**  
Roomia Memon\*, **Ayaz Ali Memon**, Ayman Nafadi, Sirrajuddin, S.T.H Sherazi, Aamna Balouch, Kanwal Memon, Nazir A. Brohi, Aamna Najeeb, Electrochemical Sensing of Dopamine via Bio-assisted Synthesized Silver Nanoparticles. Acceptance date: 4<sup>th</sup> April 2021
4. **Pakistan Journal of Analytical and Environmental chemistry**-----**Accepted June 2021**  
Zahid Ali Zounr\*, **Ayaz Ali Memon**, Abdul Ghani Memon, Faqeer Mahboob Ali Rind, M.Y. Khuhawar, Ghulam Qadir Khaskheli, Mazhar Iqbal Khaskheli, Nazir Ahmed Brohi, and Saeed Ahmed Abro, Determination of lisinopril in pure and tablet form by using 2-hydroxynaphthaldehyde as derivatizing reagent
5. **Pharmaceutical Chemistry Journal**-----**accepted 2021 IF= 0.538**  
Madan Lal Maheshwari\*, **Ayaz Ali Memon**, Najma Memon, Muhammad Yar Khawar, Abdul Hakeem Memon. *Validated RP-HPLC Method development for gentamicin micro analysis in Pharmaceutical dosage forms, urine and blood*
6. **Separation and purification technology**-----**Online 2021, IF= 5.776**  
Farooque Ahmed Janjhi, Imam din Chandio, **Ayaz Ali Memon\***, Zubair Ali, Khalid Hussain Thebo, Azhar Ali Ayaz, Ayaz Ali Hakro, Muzaffar Iqbal, Functionalized graphene oxide based membranes for ultrafast molecular separation 31 October 2020, ISSN: 1383-5866  
<https://doi.org/10.1016/j.seppur.2020.117969>

7. **International Journal of Environmental Analytical Chemistry**-----Online **2021**, IF= **1.431**  
Roomia Memon\*, **Ayaz Ali Memon**, S.T.H Sherazi, Sirrajuddin, Amna Balouch, M. Raza Shah, Sarfaraz A. Mahesar, Kousar Rajar, M. Hassan Agheem. Ultrasensitive colorimetric detection of Hg<sup>2+</sup> in aqueous media via green synthesis by *Ziziphus Mauritiana* Leaves extract based silver nanoparticles <https://doi.org/10.1080/03067319.2020.1822353>  
Published online: 22 Sep 2020, Print ISSN: 0306-7319 Online ISSN: 1029-0397
8. **Applied Organometallic Chemistry**-----May (2021), **35**, **5**, e6199 IF= **3.140**  
Saman S, Balouch A, Talpur FN, **Memon AA**, Mousavi BM, Verpoort F.\* Green synthesis of MgO nanocatalyst by using *Ziziphus mauritiana* leaves and seeds for biodiesel production. Appl Organomet Chem. 2021;e6199.  
<https://doi.org/10.1002/aoc.6199> First published: 20 February 2021, ISSN # 1099-0739
9. **Desalination**-----**(2021) 500, 114848 IF= 7.098**  
Imam din Chandio, Farooque Ahmed Janjhi, **Ayaz Ali Memon\***, Shahabuddin Memon, Zubair Ali, Khalid Hussain Thebo, Azhar Ali Ayaz, Ayaz Ali Hakro, Waheed S. Khan Ultrafast ionic and molecular sieving through reduced graphene oxide membranes.  
<https://doi.org/10.1016/j.desal.2020.114848> online 20 November 2020, ISSN: 0011-9164
10. **European Journal of Chemistry**-----**2021, 12 (1), 45-51, IF=0.5439**  
Fozia Chang\*, Najma Memon, Huma Shaikh, **Ayaz Ali Memon**, Shahabuddin Memon, Paras Azadi Memon, Abdul Sattar Chang *MOF-5 embedded cryogel composite for extraction of cholesterol from milk samples prior to UV-Vis determination* Accepted: 18 Feb 2021 | Published: 31 Mar 2021 ISSN: 2153-2257E, 2153-2249P  
doi: <https://doi.org/10.5155/eurjchem.12.1.45-51.2056>,
11. **Journal of the Iranian Chemical Society**-----**2021, 18, 611-620 IF= 1.552**  
Madan Lal Maheshwari, **Ayaz Ali Memon**, Najma Memon\*, Muhammad Yar Khawar, Abdul Hakeem Memon. *A Rapid HPLC-DAD Method for Quantification of Amikacin in Pharmaceuticals and Biological Samples using Pre-Column Derivatization with Hantzsch Reagent* <https://doi.org/10.1007/s13738-020-02046-2> Published on 08 September 2020, ISSN # 1735-2428

## **2020**

12. **Turkish Journal of Chemistry**-----**(2020) 44: 1376-1385 IF= 0.981**  
Roomia Memon, **Ayaz Ali Memon**, S.T.H Sherazi\*, Sirrajuddin, Amna Balouch, M. Raza Shah, Sarfaraz A. Mahesar, Kousar Rajar, M. Hassan Agheem Application of synthesized CuNPs using aqueous extract of *Ziziphus mauritiana* L. leaves as a colorimetric sensor for the detection of Ag<sup>+</sup>, Publ. date: 27.07.2020, E-ISSN: 1303-6130  
<http://dx.doi.org/10.3906/kim-2001-51>
13. **Journal of Food Management and Characterization**----**2020, 14, 1325–1332, I.F. = 1.648**  
Tahir Mehmood\*, · Anum Afzal, · Farooq Anwar, · Najma Memon, · **Ayaz A. Memon**, · Rahman Qadir Variation in phenolic acids and antibacterial attributes of peel extracts from ripe and unripe Citrus limon (L.) Osbeck Online: 29 January 2020.  
<https://doi.org/10.1007/s11694-020-00380-w> Electronic ISSN=2193-4134, Print ISSN=2193-4126
14. **Journal of the Chemical Society of Pakistan**----- December **2020, 42, 06, 856, I.F. = 0.300**  
Sehrish Qazia, Huma Shaikh\*, **Ayaz Ali Memon**, Shahabuddin Memon. Molecular

imprinted graphene oxide nanocomposite for optical sensing of nicotine in Plasma, ISSN# 0253-5106

15. **Canadian Journal of Pesticides & Pest Management**-----**2020, 2, 54-64**  
Ranjhan Junejo\*, Shahabuddin Memon, Fakhar-un-Nisa Memon, **Ayaz Ali Memon** Effect of Dose of Aggregation Pheromone, Kairomone, Food Type and Density on Trapping of Red Palm Weevil, *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae) in Khairpur Mirs Sindh, Pakistan  
doi: 10.34195/can.j.ppm.2020.02.001
16. **Advanced Journal of Chemistry, Section A**:----- **2020, 3(5), 680–691**  
Ranjhan Junejo\*, Shahabuddin Memon, Fatih Durmaz, **Ayaz Ali Memon**, Fakhar Nisa Memon, Nida Shams Jalbani, Safia Sanam Memon, Asif Ali Bhatti Synthesis of Piperdinomethylcalix[4]arene Attached Silica Resin for the Removal of Metal Ions from Water: Equilibrium, Thermodynamic and Kinetic Modelling Studies ISSN Online: 2645-5676 DOI: 10.33945/SAMI/AJCA.2020.5.11
17. **Turkish Journal of Pharmaceutical Sciences** -----**2020, 17(5):465-473 I.F = 0.431**  
Nida S. Jalbani, Amber R Solangi\*, M.Y. Khuhawar, Shahabuddin Memon, Ranjhan Junejo, **Ayaz A. Memon** “Gas Chromatographic and Spectrophotometric Determination of Diclofenac Sodium, Ibuprofen and Mefenamic Acid in Urine and Blood samples” - DOI: 10.4274/tjps.galenos.
18. **Separation Science and Technology**-----**2020, 55 1650-1655 I.F = 1.718**  
Naeem A. Memon, Fakhar N. Memon\*, Hatice K. Kara, Hüseyin Kara, Sayed T. H. Sherazi, **Ayaz A. Memon**, Shahabuddin Memon, Muhammad K. Leghari Selective on-line solid phase extraction of copper using *p*-morpholino-methylcalix[4]arene appended silica based column. Received: 15 Oct 2018, Accepted: 25 Mar 2019, Published online: 03 Apr 2019, Publisher: **Taylor & Francis** <https://doi.org/10.1080/01496395.2019.1600551>, ISSN: 0149-6395 (Print), 1520-5754 (Online).
19. **Pakistan Journal of Analytical and Environmental chemistry**-----**2020, 21,1, 27–33**  
Abdul Ghani Memon, **Ayaz Ali Memon\***, Faqeer Mahboob Ali Rind, Zahid Ali Zounr, Azhar Ali Ayaz Pirzada, Nazir Ahmed Brohi, Mazhar Iqbal Khaskheli and Jamil Rahman Memon Development of Colorimetric Method for the Quantitative Analysis of Amlodipine Besylate in Dosage form Using 4-Dimethyleaminobenzaldehyde as Derivatizing Reagent <http://dx.doi.org/10.21743/pjaec/2020.06.04>
20. **Polycyclic Aromatic Compounds**-----**2020, 40, 3, 609-621 i.f. = 1.894**  
Tahira S. Khokhar, Shahabuddin Memon, **Ayaz A. Memon**, Asif Ali Bhatti\*, Ashfaque Ali Bhatti Improved solubility of morin using *p*-sulphonatocalix[4]arene as encapsulating agent: HPLC analysis and their molecular modeling. Received 28 Jan 2018, Accepted 07 Apr 2018, Published online: 07 May 2018, Publisher: **Taylor & Francis**. <https://doi.org/10.1080/10406638.2018.1464037>. ISSN: 1040-6638
21. **Journal of Food Composition and Analysis**-----**2020, 86, 103358 I.F. = 3.721**  
**Ayaz Ali Memon**, Innamullah Memon, Roomia Memon, Najma Memon, Sanam Erum Soomro, Daveannad Luthria\*, M. Iqbal Bhangar. Impact of flour particle size on nutrient and phenolic composition of commercial wheat varieties 12 November 2019, <https://doi.org/10.1016/j.jfca.2019.103358>

**Total Impact factor 2020 = 10.412**

## 2019

22. **Journal of Chemical & Engineering Data**-----2019, **64, 8, 3407-3415** 2019 I.F = **2.369**  
Ranjhan Junejo, Shahabuddin Memon, Fakhar N. Memon, **Ayaz Ali Memon\***, Fatih Durmaz, Asif Ali Bhatti, Ashfaque Ali Bhatti, Thermodynamic and Kinetic Study for Adsorption of Reactive Blue (RB-19) Dye Using Calix[4]arene Based Adsorbent. Received: March 12, 2019, accepted: June 12, 2019, Date of publication: July 5, 2019, Publisher: **ACS**, <https://doi.org/10.1021/acs.jced.9b00223> ISSN: 0021-9568 (Print), 1520-5134 (Online).
23. **Journal of Chemistry** -----2019, **Article ID 2534072** I.F = **1.790**  
Anwar Ali Chandio, Shahabuddin Memon, **Ayaz Ali Memon**, Qadeer K. Panhwar\*, Shafi M. Nizamani, Ashfaq A. Bhatti, Nazir A. Brohi, High biological outcome from Fe<sup>3+</sup> complex of *p*-tert-butylcalix[4]arene derivative: Synthesis, Characterization and Antimicrobial Assessment. Received: 29 November 2018; Accepted: 18 February 2019; Published: 28 March 2019, Publisher: **Hidawi** <https://doi.org/10.1155/2019/2534072>
24. **Separation Science and Technology**-----2019, **54, 8, 1278-1288** I.F = **1.718**  
Tahira S. Khokhar, Fakhar N. Memon\*, **Ayaz A. Memon**, faith Durmaz, Shahabuddin Memon, Qadeer K. Panhwar, Saba Muneer, Removal of ciprofloxacin from aqueous solution using wheat bran as adsorbent Received 24 May 2018, Accepted 11 Oct 2018, Published online: 25 Oct 2018. Publisher: **Taylor & Francis** <https://doi.org/10.1080/01496395.2018.1536150> ISSN: 0149-6395 (Print), 1520-5754 (Online).
25. **Sindh University Research Journal (science series)** -----2019 **Vol.51 (1) 11-14**  
Irshad Hussain Ghanghro\*, Taj Muhammad Jahangir, Mahvish Jabeen Channa, **Ayaz Ali Memon** Nutritional Profile and Mycotoxin Load on Stored Barley (*Hordeum vulgare* L.) at Hyderabad Division Received 22<sup>nd</sup> June 2018 and Revised 14<sup>th</sup> December 2018 <http://doi.org/10.26692/sujo/2019.01.03> ISSN # 1813-1743.

**Total Impact factor 2019 = 5.877**

## 2018

26. **Chromatographia**-----1<sup>st</sup> August 2018, **81: 10, 1373-1380** I.F = **1.596**  
Naeem A. Memon, **Ayaz A. Memon**, Fakhar N. Memon\*, Sayed Tufail Hussain Shirazi, Shahabuddin Memon, Muhammad K. Leghari, Method Development for Determination of Antibiotic Drugs Using Newly Prepared *p*-morpholinomethylcalix[4]arene Mesoporous Silica Based HPLC Column. Revised: 18 May 2018, Accepted: 24 July 2018, Published online: 1 August 2018, Publisher: **Springer Link** <https://doi.org/10.1007/s10337-018-3580-7> ISSN 0009-5893
27. **Rawal Medical Journal**----- **18 July 2018, 43, 4, 661-664**  
(HEC Approved) Farheen Shaikh\*, Tazeen Shah, **Ayaz A. Memon**, Muhammad Yousif Memon, Ghulam Qadir Chanihoon Role of coenzyme Q10 in pre-eclamptic patients. ISSN : 0303-5212 ("Y" Category) <https://www.ejmanager.com/mnstemp/27/27-1521520081.pdf?t=1542965782>
28. **J. liaquat University of Medical and health Scienc**-----**June 2018, 17, 02, 86-90**  
Farheen Shaikh\*, Sanum Ali Dahri, **Ayaz Ali Memon**, Ali Raza Memon, Muhammad Yousif Memon, Giran Naz Jagirani, To determine the plasma levels of malondialdehyde

in patient with pre-eclampsia and healthy women of Hyderabad, Sindh ISSN: 1729-0341("Y" Category) (HEC Approved)  
<http://www.lumhs.edu.pk/jlumhs/>

**Total Impact factor 2018 = 1.596**

## **2017**

29. **International Journal of Food Properties**-----2017, 20, 53, S2660-S2667 i.f. = 1.808  
Saddam Hussain Bughio, Muhammad Qasim Samejo\*, Shahabuddin Memon, **Ayaz Ali Memon**, Shaista Bano, Moina Akhtar Mughal<sup>1</sup>, Chemical Composition of the Essential Oil from *Tamarix Dioica* and Determination of Its Antibacterial Activity. Received 14 Apr 2017, Accepted 28 Sep 2017, Published online: 08 Jan 2018, Publisher: **Taylor & Francis**.  
<https://doi.org/10.1080/10942912.2017.1387138> ISSN: 1532-2386. **ISI Indexing Agency**
30. **Polycyclic Aromatic Compounds**-----17<sup>th</sup> Oct -2017 vol. 37, 5, 362-374 i.f. = 1.894,  
Shahabuddin Memon\*, Anwar A. Chandio, **Ayaz A. Memon**, Qadeer K. Panhwar, Shafi M. Nizamani, Ashfaq A. Bhatti, Nazir A. Brohi, Synthesis, Characterization and Exploration of Antimicrobial Activity of Copper Complex of Diamide Derivative of *p*-tert-butylcalix[4]arene. Publisher: **Taylor & Francis**.  
<http://dx.doi.org/10.1080/10406638.2015.1125375>. ISSN: 1040-6638 (Online published 2<sup>nd</sup> Nov 2016) **ISI Indexing Agency**,
31. **Journal of Food Composition and Analysis**-----July 2017, 60, 10-16 I.F. = 3.721  
Yingjian Lu, **Ayaz Ali Memon**, Patrick Fuerst, Alecia Kizonas, Craig Morris, Devanand Luthria\*, "Changes in the phenolic acids composition during pancake preparation: Whole and refined grain and processed food classification by UV and NIR spectral fingerprinting method-Proof of concept" ISSN: 0889-1575. **First Online**: 4<sup>th</sup> March 2017, Publisher: **Elsevier**. <http://dx.doi.org/10.1016/j.jfca.2017.03.001>
32. **Pakistan Journal of Pharmaceutical Sciences**-----30, 3, May 2017, 783-788 I.F. = 0.596  
Tahira S. Khokhar, ShahabuddinMemon\*, **Ayaz A. Memon**, Fakhar N. Memon,Qadeer K. Panhwar, Saba Muneer, MetinTülü, Complexation of Ibuprofen with Modified Calix[4]arene: A Potential Candidate for Drug Delivery Application, ISSN: 0030-9982
33. **J. of Herbs Spices and Medicinal Plants-1<sup>st</sup> March, 2017, 23, 2, 157-168 R<sup>G</sup>-IF= 0.520**  
Maria Salih Siddique, **Ayaz Ali Memon\***, ShahabuddinMemon, Shabana Gul Mugerri. "Cuscuta Reflexa as a Rich Source of Bioactive Phenolic Compounds" Received 09 Aug 2016, Published online: 01 Mar 2017 Publisher: **Taylor & Francis**. Online ISSN: 1540-3580, ISSN: 1049-6475  
<http://www.tandfonline.com/doi/abs/10.1080/10496475.2017.1280867>
34. **Food Analytical Methods**-----January 2017, 1, 10, 83-91, I.F. = 2.667  
Almas Fatima Memon, Amber Rehana Solangi\*, Saima Memon, Irfana Mallah, Najma Memon **Ayaz Ali Memon**. Simultaneous determination of quercetin, rutin, naringin and naringenin in different fruits by capillary zone electrophoresis First Online: [10 June 2016](http://dx.doi.org/10.1007/s12161-016-0552-0), Publisher: **Springer Link** DOI: 10.1007/s12161-016-0552-0, ISSN: 1936-9751

**Total Impact factor 2017 = 11.206**

## **2016**

35. **Journal of the Chemical Society of Pakistan**-----1<sup>st</sup> Dec 2016, 38, 6, 1129-38, I.F. = 0.393  
Tahira S. Khokhar, Shahabuddin Memon\*, **Ayaz A. Memon**, Qadeer K. Panhwar, Saba

Muneer, Emancipation of levofloxacin from its wheat bran (WB) composit: A pH dependant mechanism. ISSN 0253-5106

36. **Sindh University Research Journal (science series) -----August 2016 Vol.48 (4) 865-868**  
S. S. A. Shah, Mohammad Ali Ghoto, N. Memon, Abdullah. Dayo, **Ayaz Ali Memon**, Mudasir I. Arain, R. Saleem, R. Mangi, Irrational Use of *H1* Receptor Antagonist In Various Allergic Patients, A Clinical Study in Hyderabad, Sindh, ISSN: 1813-1743, Indexing agency: HEC
37. **Journal of Food Composition and Analysis-----August 2016, 51, 45-54, I.F. = 3.721**  
Najma Memon\*; Sanam I Soomro; Muhammad Iqbal Bhanghar, Shahabuddin Memon; **Ayaz Ali Memon** Mineral Content of Pakistani Foods: An update of Food Composition Database of Pakistan through indirect method".  
<http://dx.doi.org/10.1016/j.jfca.2016.06.007>, ISSN: 0889-1575
38. **Desalination and water treatment -----2016, 57, 19, 8935-8941, I.F. = 1.172**  
Fatih Durmaz, Shahabuddin Memon\*, Fakhar N. Memon, **Ayaz A. Memon**, Naeem A. Memon and Hüseyin Kara. Copper Sorption Efficiency of *p*-tetranitrocalix[4]arene Based High Performance Liquid Chromatographic Column. ISSN: 1944-3994 Published online: 30 Mar 2015, <http://dx.doi.org/10.1080/19443994.2015.1025436>

**Total Impact factor 2016 = 5.286**

#### **2015**

39. **Sindh University Research Journal (science series) ----- October 2015, 47 (4) 801-804**  
Ubaid ur rehman Mugal, Madam L Maheshwari, Abdullah. Dayo, Mohammad Ali Ghoto, **Ayaz Ali Memon**, M.H. Mugal, Evaluation of Quality and Quantity of Tobramycin Sulfate from Different Pharmaceutical Dosage Forms in Various Brands Available in Pakistan. ISSN: 1813-1743, Indexing agency: HEC
40. **Saudi Pharmaceutical Journal-----2015, 23, 4, 444-452 i.f.=2.879**  
**accepted 6 January 2015, Available online 16 January 2015** Madan Lal Maheshwari, **Ayaz Ali Memon\***, Shahbuddin Memon, Mohammad Ali Ghoto, Ubedurrahman Mughal, Abdullah Dayo, Fakhar-un-Nissa Memon, Naheed Memon, Optimization of HPLC method for determination of cefixime using 2-thiophencarboxaldehyde as derivatizing reagent: A new approach <http://dx.doi.org/10.1016/j.jsps.2015.01.016>, ISSN: 1319-0164

**Total Impact factor 2015 = 2.879**

#### **2014**

41. **Analytical Methods ----- 26 Jun 2014, 6, 18, 7318 – 7323 i.f.=2.596**  
Fakhar N. Memon, Fatih Durmaz, Shahabuddin Memon\*, Naeem A. Memon and **Ayaz A. Memon** Simultaneous determination of some basic dyes using *p*-tetranitrocalix[4]arene appended silica based HPLC column. ISSN: 1759-9660, DOI:10.1039/C4AY01046A
42. **Journal of the Science of Food and Agriculture---July, 2014, 94,9,:1723-1728 i.f. = 2.614**  
Devanand L. Luthria\*, **Ayaz Ali Memon**, Keshun Liu., Changes in the Individual and Total Phenolic Acid Content during Commercial Dry-grind Processing of Corn to Ethanol and DDGS. First published: 23 December 2013, DOI: 10.1002/jsfa.6481 ISSN: 0022-5142

**Total Impact factor 2014 = 5.210**

#### **2013**

43. **Food Chemistry -----15 August, 2013, 139, 496–502 i.f.=6.306**

**Ayaz Ali Memon**, Najma Memon, Devanand L. Luthria\*, M. I. Bhangar., Assay of phenolic compounds from four species of Ber (*Ziziphus Mauritiana* L.) Fruits: Comparison of three base hydrolysis procedures for quantification of total phenolic acids. ISSN: 0308-8146, <https://doi.org/10.1016/j.foodchem.2013.01.065>

**Total Impact factor 2013 = 6.306**

## **2012**

44. **Polish Journal of Food and Nutrition Science**-----2012, 62, 1, 15-21  
**i.f. = 1.986**

**Ayaz Ali Memon**, Najma Memon\*, Devanand L. Luthria, M. I. Bhangar, A. A. Pitafi., Phenolic Compounds and Seed Oil Composition of *Ziziphus Mauritiana* L. Fruit. *Publish date: 2012-03-31 DOI: <https://doi.org/10.2478/v10222-011-0035-3>* ISSN: 1230-0322

45. **Journal of the American Oil Chemists' Society**-----July 2012, 89:1297–1304 **i.f. = 1.659**  
Devanand L. Luthria\*, Keshun Liu and **Ayaz Ali Memon.**, Phenolic acids and antioxidant capacity of distillers dried grains with solubles (DDGS) as compared with corn. *ISSN: 0003-021X, First Online: 22 February 2012, <https://link.springer.com/article/10.1007/s11746-012-2025-y>*

46. **Pakistan Journal of Analytical & Environmental Chemistry**-----2012, 13, 2, 37–42  
**Ayaz Ali Memon**, Najma Memon\*, M. I. Bhangar, Devanand L. Luthria\*, Phenolic acids composition of fruit extracts of Ber (*Ziziphus mauritiana* L., var. Golo lemai).

47. **Natural Product Research**-----2012, 26, 2, 173-176  
**i.f. = 2.158**

Abdul Hafeez Laghari, **Ayaz Ali Memon**, Shahabuddin Memon\*, Aisha Nelofar, Khalid M. Khan and Arfa Yasmin., Determination of free phenolic acids and antioxidant capacity of methanolic extracts obtained from leaves and flowers of camel thorn (*Alhagi Maurorum*). *ISSN: 1478-6427, online publication Date: 11 August 2011, doi: 10.1080/14786419.2010.538846*

**Total Impact factor 2012 = 5.803**

## **2010**

48. **Separation and Purification Technology**-----13<sup>th</sup> December 2010, 76 179–183 **i.f. = 5.776**  
**Ayaz Ali Memon**, Najma Memon\*, M.I. Bhangar., Micelle-mediated extraction of chlorogenic acid from *Morus laevigata* W. leaves, *ISSN: 1383-5866, <https://doi.org/10.1016/j.seppur.2010.10.005>*

49. **Polish Journal of Food and Nutrition Science**-----March, 2010, 60, 1, 25-32 **i.f. = 1.986**  
**Ayaz Ali Memon**, N. Memon\*, Devanand. L. Luthria, M. I. Bhangar, Amanat. A. Pitafi., Phenolic acids profiling and antioxidant potential of mulberry (*Morus Laevigata* W., *Morus Nigra* L., *Morus Alba* L.) leaves and fruits grown in Pakistan. Online ISSN: 2083-6007

**Total Impact factor 2010 = 7.762**

**Total I.F= 81.8779**