

PUBLICATIONS

Total Impact Factor (JCR) = 183.99

Total JCR indexed Impact Factor Publications: 73

Total Publication in W Category, Q1 Ranked Journals: 44

Total citation: 1544 (Google scholar); 917 (Web of Science)

H index: 22 (Google scholar); 20 (Scopus); 20 (Web of Science)

Cite per article: 21.15 (Google scholar); 12.56 (Web of Science)

Five Selected Publications

- (1) **Khan, N.A.**, Yu, P. Ali, M. Cone, J.W., Hendriks, W.H. (2015). Nutritive value of maize silage in relation to dairy cow performance and milk quality. **Invited review. *Journal of the Science of Food and Agriculture*. 95:** 238-252. <http://onlinelibrary.wiley.com/doi/10.1002/jsfa.6703/full>
Q1 ranked journal; HJRS Category: W Silver
Impact Factor (JCR): 3.638
- (2) Peng, Q., **Khan, N.A.**, Wang, Z., Yu P. (2014). Moist and dry heating-induced changes in protein molecular structure, protein subfractions, and nutrient profiles in camelina seeds. ***Journal of Dairy Science*. 97:** 446-57. [http://www.journalofdairyscience.org/article/S0022-0302\(13\)00786-8/pdf](http://www.journalofdairyscience.org/article/S0022-0302(13)00786-8/pdf)
Q1 ranked journal; HJRS Category: W Gold
Impact Factor (JCR): 4.03
Distinction: This article was among the top 100 most cited articles, published in the esteemed Journal of Dairy Sciences (JDS) since 2014.
- (3) Yan, X., **Khan, N.A.**, Zhang, F., Yang, L., Yu, P. (2014). Microwave irradiation induced changes in protein molecular structures of barley grains: relationship to changes in protein chemical profile, protein subfractions, and digestion in dairy cows. ***Journal of Agricultural and Food Chemistry*. 62:** 6546-55. <http://pubs.acs.org/doi/abs/10.1021/jf501024j>
Q1 ranked journal; HJRS Category: W Gold
Impact Factor (JCR): 5.279
- (4) **Khan, N.A.**, Tewoldebrahn T.A., Cone, J.W., Zom R.L.G., Hendriks, W.H. (2012). Effect of corn silage harvest maturity and concentrate type on milk fatty acid composition of dairy cows. ***Journal of Dairy Science*. 95:** 1472-83. <http://www.sciencedirect.com/science/article/pii/S002203021200104X>
Q1 ranked journal; HJRS Category: W Gold
Impact Factor (JCR): 4.03
- (5) **Khan, N.A.**, Cone, J.W., Fievez V., Hendriks, W.H. (2012). Causes of variation in fatty acid content and composition in grass and maize silages. ***Animal Feed Science and Technology*. 174:** 36-45. <http://www.sciencedirect.com/science/article/pii/S0377840112000533>

Q1 ranked journal; HJRS Category: W Gold
Impact Factor (JCR): 3.247

Publication in press

- (6) Khan, R.U., Naz, S., Raziq, F., Qudratullah Q., **Khan, N. A.**, Laudadio, V., Tufarelli, V., Ragni, M. 2022. Prospects of organic acids as safe alternative to antibiotics in broiler chickens diet. *Environmental Science and Pollution Research*. 1-11

HJRS Category: W Silver
Impact Factor (JCR): 4.22

- (7) Khan, R.U., Naz, S., Ullah, H., **Khan, N. A.**, Laudadio, V., Ragni, M., Piemontese, L., Tufarelli, V. Dietary vitamin D: growth, physiological and health consequences in broiler production. *Animal Biotechnology*, 1-7.
<https://pubmed.ncbi.nlm.nih.gov/34923931/>

Impact Factor (JCR): 2.27.

Published Manuscript

- (8) Ullah, Fath., Tahir, M., Naz, S., **Khan, N. A.**, Khan R. U. (2022). In vitro efficacy and ameliorating effect of Moringa oleifera on growth, carcass, stress and digestibility of nutrients in Escherichia coli-infected broilers. *Journal of Applied Animal Research*. **50**: 118–124.

Impact Factor (JCR): 1.63

- (9) Hangshu, X., **Khan, N. A.**, Yu, P. (2021). Evaluation of the nutritional value of faba beans with high and low tannin content for use as feed for ruminants. *Journal of the Science of Food and Agriculture*. 11646.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.11646>

Q1 ranked journal; HJRS Category: W Silver
Impact Factor (JCR): 3.638

- (10) Hangshu, X., **Khan, N. A.**, Liu, X., Jiang, X., Sun, Sun, F., Zhang S., Sun, Y., Zhang Y., and Li, X. (2021). Profiles of odd- and branched-chain fatty acids and their correlations with rumen fermentation parameters, microbial protein synthesis, and bacterial populations based on pure carbohydrate incubation in vitro. *Frontiers in Nutrition*. **8**: 733352

Q1 ranked journal
Impact Factor (JCR): 6.576

- (11) Din, I , Khan, H., **Khan, N.A.** Khil, A. (2021). Inoculation of nitrogen fixing bacteria in conjugation with integrated nitrogen sources induce changes in phenology, growth, nitrogen assimilation and productivity of wheat crop. *Journal of the Saudi Society of Agricultural Sciences*. **20**: 459-466.
<https://www.sciencedirect.com/science/article/pii/S1658077X21000680>

HJRS Category: X
Impact Factor (Scopus): 3.23

- (12) Sufyana, A., Ahmad N., Shahzad, F., Embaby M. G., AbuGhazaleh A., **Khan, N. A.** (2021). Improving the nutritional value and digestibility of wheat straw, rice straw and corn cob through solid state fermentation

using different *Pleurotus* species. *Journal of the Science of Food and Agriculture*. 11584.
<https://onlinelibrary.wiley.com/doi/10.1002/jsfa.11584>

Q1 ranked journal; HJRS Category: W Silver

Impact Factor (JCR): 3.638

- (13) Bedaso, N. H., Melkamu, B., Kelkay, Z., Adie, A., Khan, N. A., Jones, C. S., Mekonnen, K., Wolde-meskel, E. (2021). Effect of fertilizer inputs on productivity and herbage quality of native pasture in degraded tropical grasslands. *Agronomy Journal*. 1–12.

<https://access.onlinelibrary.wiley.com/doi/10.1002/agj2.20862>

Impact Factor (JCR): 2.240

- (14) Hangshu, X., Khan, N. A., Yu, P. (2021). Steam pressure induced changes in carbohydrate molecular structures, chemical profile and in vitro fermentation characteristics of seeds from new *Brassica carinata* lines. *Animal Feed Science and Technology*. 276: 114903.

<https://www.sciencedirect.com/science/article/abs/pii/S0377840121000894>

Q1 ranked journal; HJRS Category: W Gold

Impact Factor (JCR): 3.247

- (15) Khan, N. A., Sulaiman, S. M., Hashmi, M. S., Rahman, S., Cone, J. W. (2021). Chemical composition, ruminal degradation kinetics, and methane production (in vitro) of winter grass species. *Journal of the Science of Food and Agriculture*. 101: 179–184

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.10628?af=R>

Q1 ranked journal; HJRS Category: W Silver

Impact Factor (JCR): 3.638

- (16) Ban, Y., Prates, L.L., Feng, X., Khan, N.A., Yu, P. (2021). Novel use of ultra-resolution Synchrotron vibrational microspectroscopy (sr-ft/vims) to assess *carinata* and canola oilseed tissues within cellular and subcellular dimensions. *Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy*. 246: 118934.

<https://www.sciencedirect.com/science/article/abs/pii/S1386142520309136>

Q1 ranked journal; HJRS Category: W Silver

Impact Factor (JCR): 4.098

- (17) Qaisrani, S.N., Rizwan, M., Yaseen, G., Bibi, F., Awais, M., Sarfraz, A., Khan, N. A., Naveed, S., Pasha, T.N. (2021). Effects of dietary oxidized oil on growth performance, meat quality and biochemical indices in poultry – a review. *Annals of Animal Science*. 21: 29–46

<https://sciendo.com/de/article/10.2478/aoas-2020-0043>

Impact Factor (JCR): 1.572

- (18) Khan, K., Aziz, K., Khan, N.A., Khan, S., Ayasan, T. (2021). Effect of enzyme and yeast-based feed additives on growth, nutrient digestibility, meat quality and intestinal morphology of fattening rabbits. *Journal of the Hellenic Veterinary Medical Society*. 72: 3511-3518

<https://ejournals.epublishing.ekt.gr/index.php/jhvms/article/view/29404/22886>

Impact Factor (JCR): 0.477

- (19) Ali, M., Shafiq U., Isfahan, T., Syed K.H., Muhsin, J., Tariq, A., Jingmin G., Sultan A., Asadullah, Kan N.A., Sadeeq UR. (2020). High rate of Esbl- producing *Escherichia Coli* from retail-chicken carrying blactx-m

gene on plasmids mainly carrying frepb replicon. *The Journal of Animal and Plant Sciences*. **31**: 698-707
<http://www.thejaps.org.pk/docs/2021/03/08.pdf>

Impact Factor (JCR): 0.490

- (20) Hangshu, X., Khan, N. A., Sun, K., Sun, F., Rahman, S. U., Fu, Q., Li Y., Zhang, Y., Hu, G. (2020). Batch-to-batch variation in protein molecular structures, nutritive value and ruminal metabolism in corn coproducts. *Animal Feed Science and Technology*. **263**: 114428
<https://www.sciencedirect.com/science/article/pii/S0377840119313227>

Q1 ranked journal; HJRS Category: W Gold

Impact Factor (JCR): 3.247

- (21) Hangshu, X., Khan, N.A., Sun, K., Sun, F., Sadeeq, U. R., Fu Q., Li, Y., Zhang Y., Hu G. (2020). Batch-to-batch variation in carbohydrates molecular structures, nutritive value and ruminal metabolism in corn coproducts. *Animal Feed Science and Technology*. **263**: 114458
<https://www.sciencedirect.com/science/article/pii/S0377840119314130>

Q1 ranked journal; HJRS Category: W Gold

Impact Factor (JCR): 3.247

- (22) Khan, K., Ullah, I., Khan, N. A., Khan, S. (2020). Evaluation of mulberry (*Morus alba*) leaves as a concentrate substitute in rabbit diet: effect on growth performance and meat quality. *Turkish Journal of Veterinary and Animal Sciences*. **44**: 1136-1141
<http://online.journals.tubitak.gov.tr/openAcceptedDocument.htm?fileID=1318045&no=287151>

Impact Factor (JCR): 0.552

- (23) Khan, N. A., Alam, M., Khan, R., Khan, K., Rahman, S. (2020). Evaluating the nutritional value of the newly developed quality protein maize in Pakistan: impact on broiler performance and profitability. *Pakistan Journal of Zoology*. **52**: 585-592.
<http://researcherslinks.com/current-issues/Evaluating-the-Nutritional-Value-of-the-Newly/20/1/2661>

Impact Factor (JCR): 0.831

- (24) Khan, N.A., Rehman, S., Cone, J.W. (2020). Chemical composition, ruminal degradation kinetics and methane production (in vitro) potential of local and exotic grass species grown in Peshawar. *Pakistan Journal of Botany*. **52**: 161-166, 2020. <http://www.pakbs.org/pjbot/papers/1580199767.pdf>

Impact Factor (JCR): 0.972

- (25) Alam, S., Khan, N. A., Muhammad, A., Hashmi, M. S., Khan, A., Khan, M.O. (2020). Carryover of Aflatoxin B1 from feed to broilers' tissues and its effect on chicken performance. *Fresenius Environment Bulletin*. **28**: 8759-8764. https://www.prt-parlar.de/download_feb_2019/

Impact Factor (JCR): 0.553

- (26) Khan, K., Ullah, I., Khan, N. A., Hashmi, M. S., Islam, Z., Khan, I. (2019). Nutritive value of mulberry (*Morus Alba*) leaves for fattening of rabbits (*Orytolagus Cuniculus*). *Fresenius Environment Bulletin*. **28**: 8759-8764.
https://www.prt-parlar.de/download_feb_2019/

Impact Factor (JCR): 0.553

- (27) Khan N.A., Yu, P. (2018). Molecular spectroscopic features of protein in newly developed chickpea: Relationship with protein chemical profile and metabolism in the rumen and intestine of dairy cows. *Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy*. **196**: 168-177.
<https://www.sciencedirect.com/science/article/pii/S1386142518301197>

Q1 ranked journal; HJRS Category: W Silver

Impact Factor (JCR): 4.098

- (28) Sun, B., Khan, N.A., Sun, M., Prates, L.L., Yu, P. (2018). Curve-linear relationship between altered carbohydrate traits with molecular structure and truly absorbed nutrient supply to dairy cattle in new hulless barley (*Hordeum vulgare* L.). *Animal Feed Science Technology*. **235**: 177-188.

<https://www.sciencedirect.com/science/article/pii/S0377840117302353>

Q1 ranked journal; HJRS Category: W Gold

Impact Factor (JCR): 3.247

- (29) Khan, I., Khan, U., Khan, K., Nawaz A.M., Khan, N.A., Ali, F. (2018). *In vitro* anti-pseudomonal potential of *Jugla NS Regia* and *Otostegia Limbata* leaves extract against planktonic and biofilm form of *Pseudomonas aeruginosa*. *Pakistan Journal of Botany*. **50**: 827-833.

<https://www.pakbs.org/pjbot/papers/1518737678.pdf>

Impact Factor (JCR): 0.972

- (30) Abeysekara, S., Khan, N.A., Yu, P. (2018). Relationship between protein molecular structural makeup and metabolizable protein supply to dairy cattle from new cool-season forage corn cultivars. *Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy*. **191**: 303-314.

<http://www.sciencedirect.com/science/article/pii/S1386142517308235>

Q1 ranked journal; HJRS Category: W Silver

Impact Factor (JCR): 4.098

- (31) Rehman, S., Ali, T., Ali, I., Khan N.A., Han, B., Gao, J. (2018). The growing genetic and functional diversity of extended spectrum beta-lactamases. *BioMed Research International*. **2018**: 9519718, 14 pages.

Web link: <https://www.hindawi.com/journals/bmri/aip/9519718/>

Q1 ranked journal; HJRS Category: W Bronze

Impact Factor (JCR): 3.411

- (32) Peng, Q. H., Khan, N.A., Xue, B., Yan, T. H., Wang, Z.S. (2018). Effect of different levels of protein concentrates supplementation on the growth performance, plasma amino acids profile and mTOR cascade genes expression in early-weaned yak calves. *Asian-Australasian Journal of Animal Sciences*, **31**: 218-224.

<https://www.ajas.info/journal/view.php?doi=10.5713/ajas.17.0148>

Q1 ranked journal; HJRS Category: W Bronze

Impact Factor (JCR): 1.66

- (33) Khan, K., Khan, S., Khan, N.A., Ahmad, N. (2018). Effect of flaxseed supplementation of feed on growth, carcass yield, meat and fatty acids profile of rabbit carcass. *Pakistan Journal of Zoology*, **50**: 2037-2043.

<http://researcherslinks.com/current-issues/Effect-of-Flaxseed-Supplementation-of-Feed/20/1/1686>

Impact Factor (JCR): 0.831

- (34) Rahman, S. U., Abass, N., Khan, N. A., Suleman, M., Ali, A., Rauf, M. (2018). Prevalence of *Mycoplasma gallisepticum* in poultry- and wild life- birds suspected of chronic respiratory disease in Northern Pakistan.

Pakistan Journal of Zoology, **50**: 1071-1077. <http://researcherslinks.com/current-issues/Prevalence-of-Mycoplasma-gallisepticum-Poultry/20/1/1439>

Impact Factor (JCR): 0.831

- (35) Ullah, R., Khan, S., **Khan, N.A.**, Tahir, M., Ahmad N. (2018). Effect of replacement of soybean meal by silkworm meal on growth performance, apparent metabolizable energy and nutrient digestibility in broilers at day 28 post hatch. **Journal of Animal and Plant Sciences**. **28**: 1239-1246.
<http://www.thejaps.org.pk/docs/v-28-05/03.pdf>
Impact Factor (JCR): 0.490
- (36) Refat, B., Parates, L.L., **Khan, N.A.**, Yaogeng L., David A. C., McKinnon J.J. M., Yu, P. (2017). Physiochemical characteristics and molecular structures for digestible carbohydrates of silages. **Journal of Agricultural and Food Chemistry**. **65**: 8979-8991.
<http://pubs.acs.org/doi/abs/10.1021/acs.jafc.7b01032?journalCode=jafcau>
Q1 ranked journal; HJRS Category: W Gold
Impact Factor (JCR): 5.279
- (37) Yaijing, B., **Khan, N.A.**, Yu, P. (2017). Nutritional and metabolic characteristics of *Brassica carinata* co-products from biofuel processing in dairy cows. **Journal of Agricultural and Food Chemistry**. **65**: 5994-6001.
<http://pubs.acs.org/doi/abs/10.1021/acs.jafc.7b02330?src=recsys>
Q1 ranked journal; HJRS Category: W Gold
Impact Factor (JCR): 5.279
- (38) Ullah, R., Khan, S., Hafiz, A., Sultan, A., **Khan, N.A.**, Chand, N., Ahmad, N. (2017). Silkworm (*Bombyx mori*) meal as alternate protein ingredient in broiler finisher ration. **Pakistan Journal Zoology**. **49**: 1463-1470.
<http://researcherslinks.com/current-issues/Silkworm-Bombyx-mori-Meal-Alternate/20/1/677/html>
Impact Factor (JCR): 0.790
- (39) Khan, K., Khan, S., Shafi U., **Khan, N. A.**, Khan, I., Ahmad, N. (2017). Nutritive value, fiber digestibility and methane production potential of tropical forages in rabbits: effect of species and harvest maturity. **Journal of Animal and Plant Sciences**. **27**: 75-81. <http://www.thejaps.org.pk/docs/v-27-04/06.pdf>
Impact Factor (JCR): 0.490
- (40) Khan, K., Khan, S., Khan, R., Sultan, A., **Khan, N. A.**, Ahmad, N. (2017). Production performance of indigenous rabbits under traditional and intensive production systems in northern Pakistan. **Journal of Animal and Plant Sciences**. **27**: 1094-1100. <http://www.thejaps.org.pk/docs/v-27-1/10.pdf>
Impact Factor (JCR): 0.490
- (41) Khan, A. D., Haleem, SK., Shafiq, M., **Khan, N. A.**, Rahman, S. U. (2017). Seropositivity of brucellosis in human and livestock in Tribal-Kurram Agency of Pakistan indicates cross circulation. **Thai Journal Veterinary Medicine**. **47**: 349-355. <https://www.tci-thaijo.org/index.php/tjvm/article/view/99987>.
Impact Factor (JCR): 0.28
- (42) Khan, K., Adnan, M., Khan, H., Kashif, J., Ahmad, S., Gohar, A., Ali, A., Khan, M.A., Shah, S.S.A., Hassan, M.F., Irshad, M., **Khan, N.A.**, Rahman, S.U. 2017. Clonal expansion of Sulfonamide resistant Escherichia coli isolates recovered from diarrheic calves. **Pakistan Veterinary Journal**. **37**: 230-232.
http://www.pvj.com.pk/abstract/37_2/16-278.htm
Impact Factor (JCR): 1.318
- (43) Habib, G., **Khan, N.A.**, Sultan, A., Ali, M. (2016). Nutritive value of common tree foliage for livestock in the semi-arid and arid rangelands of Northern Pakistan. **Livestock Science**. **184**: 64-70.

[http://www.livestockscience.com/article/S1871-1413\(15\)30062-7/fulltext](http://www.livestockscience.com/article/S1871-1413(15)30062-7/fulltext)

Q1 ranked journal; HJRS Category: W Bronze

Impact Factor (JCR): 1.943

- (44) Ali, M., Cone, J.W., Khan, N.A., Hendriks, W.H. (2016). Variation between individual cows in in situ rumen degradation characteristics of maize and grass silages. *Netherlands Journal of Life Sciences*. **78**: 167-173. <http://www.sciencedirect.com/science/article/pii/S1573521416300331>

Q1 ranked journal; HJRS Category: W Bronze

Impact Factor (JCR): 4.16

- (45) Khan, S., Naza, S., Sultan, A., Khan, R. U., Khan, N.A., Ahmad, S. (2016). Worm meal: a potential source of alternative protein in poultry feed. *World's Poultry Science Journal*. **72**: 93-102. <https://www.cambridge.org/core/journals/world-s-poultry-science-journal/article/worm-meal-a-potential-source-of-alternative-protein-in-poultry-feed/50F296213E7BADF3A7D4E3775E076700>

Q1 ranked journal; HJRS Category: W Bronze

Impact Factor (JCR): 2.915

- (46) Khan, K., Khan, S., Khan R., Sultan, A., Khan, N.A., Ahmad, N. (2016). Growth performance and meat quality of rabbits under different feeding regimes. *Tropical Animal Health and Production*. **48**: 1661-1666. <https://link.springer.com/article/10.1007/s11250-016-1140-4>

Q1 ranked journal; HJRS Category: W Bronze

Impact factor (JCR): 1.559

- (47) Ullah, K., Ahmad, S.S., Ahmad M.N., Khan, S., Urooj, Iqbal, M.S., Zia, A., Khan, N.A. (2015). Biomonitoring of fluoride pollution with gladiolus in the vicinity of a brick kiln field in Lahore, Pakistan. *Foluride*. **48**: 174-78. http://www.fluorideresearch.org/482/files/FJ2015_v48_n2_p174-178_pq.pdf

Impact Factor (JCR): 1.00

- (48) Huang, X., Khan, N.A., Christensen, C., Yu, P. (2015). Effects of canola meal pellet conditioning temperature and time on ruminal and intestinal digestion, hourly effective degradation ratio, and potential N to energy synchronization in dairy cows. *Journal of Dairy Science*. **98**: 8836-45. <http://www.sciencedirect.com/science/article/pii/S002203021500675X>

Q1 ranked journal; HJRS Category: W Gold

Impact Factor (JCR): 4.03

- (49) Khan, N.A., Booker, H., Yu, P. (2015). Effect of heating method on alteration of protein molecular structure in flaxseed: relationship with changes in protein subfraction profile and digestion in dairy cows. *Journal of Agricultural and Food Chemistry*. **63**: 1057-1066. <http://pubs.acs.org/doi/abs/10.1021/jf503575y>

Q1 ranked journal; HJRS Category: W Gold

Impact Factor (JCR): 5.279

- (50) Khan, N.A., Hussain, S., Bezabhi, M., Hendriks, W.H., Yu, P., Cone, J.W. (2015). Improving the feeding value of straws with *Pleurotus ostreatus*. *Animal Production Science*. **55**: 241-245. <http://www.publish.csiro.au/AN/AN14184>

Q1 ranked journal; HJRS Category: W Bronze

Impact Factor (JCR): 1.53

- (51) Gloria, Q.Y., Thomas D.W., Zhiyuan, N., **Khan, N.A.**, Yu, P. (2015). Molecular basis of processing-induced changes in protein structure in relation to intestinal digestion in yellow and green type pea (*Pisum sativum* L.): A molecular spectroscopic analysis. ***Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy***. **155**: 980-988. <http://www.sciencedirect.com/science/article/pii/S1386142515007659>
Q1 ranked journal; HJRS Category: W Silver
Impact Factor (JCR): 4.098
- (52) Ali, M., Cone, J.W., **Khan, N.A.**, Hendriks, W.H., Struik, P.C. (2015). Effect of temperature and duration of ensiling on in vitro degradation of maize silages in rumen fluid. ***Journal of Animal Physiology and Animal Nutrition***. **99**: 251-257.
<http://onlinelibrary.wiley.com.ezproxy.library.wur.nl/doi/10.1111/jpn.12244/abstract;jsessionid=F60FE0866B2915BD948AE8172BDD81C8.f01t04>
Q1 ranked journal; HJRS Category: W Bronze
Impact Factor (JCR): 2.130
- (53) **Khan, N.A.**, Peng, Q., Xin, H., Yu, P. (2015). Vibrational spectroscopic investigation of heat-induced changes in functional groups related to protein structural conformation in *camelina* seeds and their relationship to digestion in dairy cows. ***Animal Production Science***. **55**: 201-206.
<http://www.publish.csiro.au.ezproxy.library.wur.nl/AN/AN14400>
HJRS Category: W Bronze
Impact Factor (JCR): 1.53
- (54) Sultan, A., Uddin, I., Khan, S., Ullah, R., Khan, H., **Khan, N.A.**, Khan, R.U. (2015). Effect of yeast derived carbohydrate fraction on growth performance, apparent metabolizable energy, mineral retention and gut histomorphology of broilers during starter phase. ***Pakistan Veterinary Journal***. **35**: 409-413.
http://www.pvj.com.pk/abstract/35_4/15-042.htm
Impact Factor (JCR): 1.318
- (55) Shahid, S., Chand, N., Khan, R. U., **Khan, N.A.**, Suhail, S. M. (2015). Alternations in Cholesterol and Fatty Acids Composition in Egg Yolk of Rhode Island Red x Fyoumi Hens Fed with Hemp Seeds (*Cannabis sativa* L.). ***Journal of Chemistry***. Available online. <https://www.hindawi.com/journals/jchem/2015/362936/>
Impact Factor (JCR): 2.506
- (56) **Khan, N.A.**, Farooq, M.W., Ali, M., Suleman, M., Ahmad, N., Sulaiman, S.M., Cone, J.W., Hendriks, W.H. (2015). Effect of species and harvest maturity on the fatty acids profile of tropical forages. ***Journal of Animal and Plant Science***. **25**: 739-46. <http://www.thejaps.org.pk/docs/v-25-03/19.pdf>
Impact Factor (JCR): 0.448
- (57) Saleem M., Ahmand M.N., Khan, B.A., Zia, A., Ahmad, S.S., **Khan, N.A.**, Qazi, M. (2015). Effects of soil fluoride on the growth and quality of two tomato varieties grown in Peshawar, Pakistan. ***Foluride***. **48**: 174-78.
Weblink: http://www.fluorideresearch.org/482/files/FJ2015_v48_n2_p174-178_sfs.pdf
Impact Factor (JCR): 1.00
- (58) **Khan, N.A.**, Booker, H., Yu, P. (2014). Molecular structures and metabolic characteristics of protein in brown and yellow flaxseed with altered nutrient traits. ***Journal of Agricultural and Food Chemistry***. **62**: 6556-64.
<http://pubs.acs.org/doi/abs/10.1021/jf501284a>
Q1 ranked journal; HJRS Category: W Gold

Impact Factor (JCR): 5.279

- (59) Alam, S., Shah, H.U., **Khan, N.A.**, Mogan, N. (2014). Water availability and calcium propionate affect fungal population and aflatoxins production in broiler finisher feed during storage. ***Food Additives and Contaminants: Part A***. **31**: 1896-1903.
<http://www.tandfonline.com/doi/abs/10.1080/19440049.2014.963699>

Q1 ranked journal; HJRS Category: W Bronze

Impact Factor (JCR): 3.057

- (60) Xin, H., **Khan, N.A.**, Falk, K.C., Yu, P. (2014). Mid-infrared spectral characteristics of lipid molecular structures in *Brassica carinata* seeds: Relationship to oil content, fatty acid and glucosinolate profiles, polyphenols, and condensed tannins. ***Journal of Agricultural and Food Chemistry***. **62**: 7977-88.
<http://pubs.acs.org/doi/abs/10.1021/jf502209x>

Q1 ranked journal; HJRS Category: W Gold

Impact Factor (JCR): 5.279

- (61) Peng, Q., **Khan, N.A.**, Wang, Z., Zhang, X., Yu, P. (2014). Effect of thermal processing on estimated metabolizable protein supply to dairy cattle from camelina seeds: relationship with protein molecular structural changes. ***Journal of Agricultural and Food Chemistry***. **62**: 8263-73.
<http://pubs.acs.org/doi/abs/10.1021/jf5013049>

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