**AHMAD YAR QAMAR**

Assistant. Professor, Department of Clinical Sciences, University of Veterinary & Animal Sciences (UVAS), Sub-campus, Jhang-Pakistan

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* **Objectives**

I am looking forward to embark upon a challenging research career and wish to be a part of a research group where I may employ acquired skills in research and management. I am resolved to explore new horizons of pragmatic knowledge and learn for excellence.

* **Personal Brief**

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| Date of Birth and place | **July 4th, 1984, Gujrat Punjab Pakistan** |
| Nationality | **Pakistan** |
| Marital Status | **Married** |
| Passport No. | **BR-4225911 & BR-4225912 (Renewed)** |

* **Scholastic record**
* **Ph.D. Veterinary Medicine** (2017–2020)
* CGPA: 4.385/4.5 (**President Award**),
* College of Veterinary Medicine,
* Chungnam National University, Daejeon, South Korea
* **M.Phil. Theriogenology** (2010–2011)
* CGPA: 4.00/4.00 (**Silver Medal**)
* Department of Theriogenology,
* University of Veterinary & Animal Sciences, Lahore, Pakistan
* **DVM Doctor of Veterinary Medicine** (2004–2009).
* CGPA: 3.91/4.00
* Faculty of Veterinary Sciences
* University of Veterinary & Animal Sciences, Lahore, Pakistan
* **Jobs & career**
* **Assist. Professor** (17th January 2022 till date)
* Theriogenology section,
* Dept. of Clinical Sciences, University of Veterinary and Animal Sciences, Sub-campus Jhang, Pakistan
* **Lecturer** (16th November 2011 to 16th January 2022)
* Theriogenology section,
* Dept. of Clinical Sciences, University of Veterinary and Animal Sciences, Sub-campus Jhang, Pakistan
* **Teaching Assistant** (September 2017 to February 2019)
* Lab. Of Theriogenology,
* College of Veterinary Medicine, Chungnam National University (CNU), 99 Daehak-ro (St), Yuseong-gu, Daejeon, 34134, Republic of Korea,
* **Research Assistant** (September 2018 to February 2019)
* Companion Animal Reproduction
* Lab. Of Theriogenology,
* College of Veterinary Medicine, Chungnam National University (CNU), 99 Daehak-ro (St), Yuseong-gu, Daejeon, 34134, Republic of Korea,
* **Research Assistant (**March to June 2010)
* Research project: Synchronization of Estrus in Buffaloes to Enhance Herd Fertility Using Various Protocols
* Department of Theriogenology, University of Veterinary and Animal Sciences, Lahore, Pakistan
* **Research Assistant (**May to November 2011)
* Research project: New Approaches of Estrus synchronization to Improve Reproductive Performance in Dairy Animals
* Department of Theriogenology, University of Veterinary and Animal Sciences, Lahore, Pakistan.
* **Reproduction Consultant** (April 2010 to August 2011)
* Living Dairies, Chunian Distt. Kasoor Pakistan.
* **Dairy Consultant** (Sep–Dec, 2011)
* Supreme Dairies, Mohnalwal Distt. Lahore Pakistan.
* **Internship-cum-hands-on experience**
* Semen Production Unit (SPU) Al-Haiwan Sires, Sahiwal Pakistan.
* **Research publications**
* Seonggyu Bang, Bereket Molla Tanga, Xun Fang, Gyeonghwan Seong, Islam M. Saadeldin, **Ahmad Yar Qamar**, Sanghoon Lee, Keun-Jung Kim, Yun-Jae Park, Abdelbagi Hammad Talha Nabeel, Il-jeoung Yu, Akila Cooray, Kyu Pil Lee, and Jongki Cho. **Cryopreservation of pig semen using a quercetin-supplemented freezing extender**. Life, 12, 2022,1155. <https://doi.org/10.3390/life12081155>. (Impact factor: **3.251**, Category of Journal: **X**)
* Xun Fang, Bereket Molla Tanga, Seonggyu Bang, Gyeonghwan Seong, Islam M. Saadeldin, **Ahmad Yar Qamar**, Joohyun Shim, Kimyung Choi, Sanghoon Lee, and Jongki Cho. **Vitamin C enhances porcine cloned embryo development and improves the derivation of embryonic stem-like cells**. Reproductive Biology, 22, 2022, 22(2), 100632. <https://doi.org/10.1016/j.repbio.2022.100632>. (Impact factor: **2.089**, Category of Journal: **W**).
* Seonggyu Bang, **Ahmad Yar Qamar**, Bereket Molla Tanga, Xun Fang, Gyeonghwan Seong, Abdelbagi Hamad Talha Nabeel, Il-Jeoung Yu, Islam M. Saadeldin, and Jongki Cho. **Quercetin improves the apoptotic index and oxidative stress in post-thaw dog sperm**. Environmental Science and Pollution Research, 2021. <https://doi.org/10.1007/s11356-021-17421-6>. (Impact factor: **5.190**, Category of Journal: **W**)
* Pantu Kumar Roy, **Ahmad Yar Qamar**, Bereket Molla Tanga, Seonggyu Bang, Gyeonghwan Seong, Xun Fang, Ghangyong Kim, Shan Lakmal Edirisinghe, Mahanama De Zoysa, Do Hyung Kang, Islam M. Saadeldin, and Jongki Cho. **Modified spirulina maxima pectin nanoparticles improve the developmental competence of in vitro matured porcine oocytes.** Animals, 2021, 11(9), 2483.  <https://doi.org/10.3390/ani11092483>. (Impact factor: **3.231**, Category of Journal: **W**)
* Jongki Cho, Ghangyong Kim, **Ahmad Yar Qamar**, Xun Fang, Pantu Kumar Roy, Bereket Molla Tanga, Seonggyu Bang, Jong Keun Kim, Cesare Galli, Andrea Perota, Young Tae Kim, Jeong Hwan Che, and Chung-Gyu Park. **Improved efficiencies in the generation of multigene-modified pigs by recloning and using sows as the recipient**. Zygote, 2021, 1–8. https://doi.org/10.1017/S0967199421000423. (Impact factor: **1.818**, Category of Journal: **Y**)
* Seonggyu Bang, **Ahmad Yar Qamar**, Bereket Molla Tanga, Xun Fang, and Jongki Cho. **Resveratrol supplementation into extender protects against cryodamage in dog post-thaw sperm**. The Journal of Veterinary Medical Science, 2021, 83(6): 973–980. https://doi.org/doi: 10.1292/jvms.21- 0125. (Impact factor: **1.105**, Category of Journal: **W**)
* Pantu Kumar Roy, **Ahmad Yar Qamar**, Bereket Molla Tanga, Xun Fang, Ghangyong Kim, Seonggyu Bang, and Jongki Cho. **Enhancing oocyte competence with milrinone as a phosphodiesterase 3A inhibitor to improve the development of porcine cloned embryos**. Frontiers in Cell and Developmental Biology, 2021; https://doi.org/10.3389/fcell.2021.647616. (Impact factor: **6.081**, Category of Journal: **W**)
* Pantu Kumar Roy, **Ahmad Yar Qamar**, Xun Fang, Ghangyong Kim, Seonggyu Bang, Mahanama De Zoysa, Sang Tae Shin, and Jongki Cho. **Chitosan nanoparticles enhance developmental competence of *in vitro*‐ matured porcine oocytes**. Reproduction in Domestic Animals, 2020; <https://doi.org/10.1111/rda.13871>. (Impact factor: **1.858**, Category of Journal: **W**)
* Muhammad Shakeel, Mudussar Nawaz, Zahid Naseer, Muhammad Fiaz, Asghar Khan, Muhammad Imran Khan, Awais Ur Rehman, **Ahmad Yar Qamar**, and Ali Raza. **Caprine and Ovine Serological Evidence of Brucellosis in Five Districts of Punjab, Pakistan**. Sarhad Journal of Agriculture, 2020, 36(4): 1040–1046; <http://dx.doi.org/10.17582/journal.sja/2020/36.4.1040.1046>. (Impact factor: **NA**, Category of Journal: **NA**)
* Feriel Yasmine Mahiddine, Jin Wook Kim, **Ahmad Yar Qamar**, Jeong Chan Ra, Soo Hyun Kim, Eun Joong Jung, and Min Jung Kim. **Conditioned medium from canine amniotic membrane-derived mesenchymal stem cells improved dog sperm post-thaw quality-related parameters**. Animals, 2020, 10, 1899; <https://doi:10.3390/ani10101899>. (Impact factor: **3.231**, Category of Journal: **W**)
* **Ahmad Yar Qamar**, Xun Fang, Seonggyu Bang, Sang Tae Shin, and Jongki Cho. **The effect of astaxanthin supplementation on the post-thaw quality of dog semen**. Reproduction in Domestic Animals, 2020; <https://doi.org/10.1111/rda.13758>. (Impact factor: **1.858**, Category of Journal: **W**)
* **Ahmad Yar Qamar**, Xun Fang, Seonggyu Bang, Min Jung Kim, and Jongki Cho. **Effects of kinetin supplementation on the post-thaw motility, viability, and structural integrity of dog sperm.** Cryobiology, 2020; <https://doi.org/10.1016/j.cryobiol.2020.05.015>. (Impact factor: **2.728**, Category of Journal: **W**)
* Pantu Kumar Roy, **Ahmad Yar Qamar**, Xun Fang, Bahia Mohamed Salih Hassan, and Jongki Cho. **Effects of cobalamin on meiotic resumption and developmental competence of growing porcine oocytes**. Theriogenology, 154 (2020) 24–30; <https://doi.org/10.1016/j.theriogenology.2020.05.011>. (Impact factor: **2.923**, Category of Journal: **W**)
* **Ahmad Yar Qamar**,Xun Fang, Min Jung Kim, and Jongki Cho. **Improved viability and fertility of frozen-thawed dog sperm using adipose-derived mesenchymal stem cells.** Scientific Reports, 2020, 10, 7034; <https://doi.org/10.1038/s41598-020-61803-8>. (Impact factor: **4.996**, Category of Journal: **W**)
* **Ahmad Yar Qamar**,Xun Fang, Min Jung Kim, and Jongki Cho. **Myoinositol supplementation of freezing medium improves the quality-related parameters of dog sperm.** Animals, 2019, *9*, 1038; https://doi: 10.3390/ani9121038. (Impact factor: **3.231**, Category of Journal: **W**)
* **Ahmad Yar Qamar**,Xun Fang, Min Jung Kim, and Jongki Cho. **Improved post-thaw quality of canine semen after treatment with exosomes from conditioned medium of adipose-derived mesenchymal stem cells**. Animals, 2019, *9*(11), 865; <https://doi.org/10.3390/ani9110865>. (Impact factor: **3.231**, Category of Journal: **W**)
* Xun Fang, **Ahmad Yar Qamar**, Sang Tae Shin, and Jongki Cho. **Improved preimplantation development of cloned porcine embryos through supplementation of histone deacetylase inhibitor MS-275.** Journal of Veterinary Clinics, 2019, Vol. 36 (5): 253–258; <http://dx.doi.org/10.17555/jvc.2019.10.36.5.253>. (Impact factor: **0**, Category of Journal: **Y**)
* Xun Fang, **Ahmad Yar Qamar**, Ki-Youn Yoon, and Jongki Cho. **Antioxidant flavone improves the quality of porcine cloned embryo during preimplantation development.** Journal of Embryo Transfer, 2018, Vol. 33, No. 4, pp. 255–264; <https://doi.org/10.12750/JET.2018.33.4.255>. (Impact factor: **NA**, Category of Journal: **NA**)
* Muhammad Usman Mehmood, **Ahmad Yar Qamar**, Abdul Sattar, Liaquat Ahmad, and Nasim Ahmad. **Incorporation of estradiol benzoate to CIDR protocol improves the reproductive responses in crossbred dairy heifers**. Journal of Tropical Animal Health and Production, 2017, 49, 347–351; https://doi.org/[10.1007/s11250-016-1198-z](https://doi.org/10.1007/s11250-016-1198-z). (Impact factor: **1.893**, Category of Journal: **NA**)
* **Ahmad Yar Qamar,** Abdul Sattar, and Nasim Ahmad. **“Cholesterol enhances post-thaw semen quality in buffaloes (*Bubalus bubalis*)”**. Buffalo Bulletin 32 (Special Issue 2), 2013, 370–374. (Impact factor: **0.172**, Category of Journal: **Y**)
* Abdur Rahman Ansari, Hafsa Zaneb, Saima Masood, Aneela Zameer Durrani, **Ahmad Yar Qamar,** Asghar Hussain, and Abid Hussain Shahzad. **Assessment of seasonal variations in plasma progesterone concentrations and the morphometry of corpus luteum and ovary during estrous in Nili-Ravi buffalo**. International Journal for Agro Veterinary and Medical Sciences, 2013, 7(6); 190–195. https://doi.org/10.5455/ijavms.25-1374802290. (Impact factor: **NA**, Category of Journal: **NA**)
* **Review Articles**
* **Ahmad Yar Qamar**, Tariq Hussain, Muhammad Kamran Rafique, Seonggyu Bang, Bereket Molla Tanga, Gyeonghwan Seong, Xun Fang, Islam M. Saadeldin, and Jongki Cho. **The role of stem cells and their derived extracellular vesicles in restoring female and male fertility**. Cells, 2021, 10: 2460**;** <https://doi.org/10.3390/cells10092460>. (Impact factor: **7.666**, Category of Journal: **X**)
* Bereket Molla Tanga, **Ahmad Yar Qamar**, Sanan Raza, Seonggyu Bang, Xun Fang, Kiyoung Yoon, Jongki Cho. **Semen evaluation: methodological advancements in sperm quality-specific fertility assessment- A review**. Asian-Australasian Journal of Animal Sciences, 2021, 34(8): 1253–1270; <https://doi.org/10.5713/ab.21.0072>. (Impact factor: **2.694**, Category of Journal: **W**)
* Muhammad Zeeshan Akram, Ali Murtaza, Muhammad Kashif, Syed Ehtisham-ul-Haque, Aman Ullah Khan, Waqas Ahmad, Hassan Jalal, Muhammad Farooq, **Ahmad Yar Qamar**, H.M. Khizer Aziz, Zohaib Shahid. **Peeping into the emerging threat of novel influenza D virus: A review**. Agricultural Reviews, 2021; <https://doi.10.18805/ag.R-190>. (Impact factor: **NA**, Category of Journal: **NA**)
* **Ahmad Yar Qamar**, Feriel Yasmine Mahiddine, Seonggyu Bang, Xun Fang, Sang Tae Shin, Min Jung Kim, and Jongki Cho. **Extracellular vesicle-mediated crosstalk between the gametes, conceptus, and female reproductive tract**. Frontiers in Veterinary Science, 2020, 7:589117; <https://doi.org/10.3389/fvets.2020.589117>. (Impact factor: **3.471**, Category of Journal: **W**)
* **Short Communications and Case Reports**
* Feriel Yasmine Mahiddine, **Ahmad Yar Qamar**, and Min Jung Kim. **Canine amniotic membrane-derived mesenchymal stem cells exosomes addition in canine sperm freezing medium**. Journal of Animal Reproduction and Biotechnology,2020; 35(3): 268–272*.* <https://doi.org/10.12750/JARB.35.3.268>. (Impact factor: **NA**, Category of Journal: **NA**)
* Muhammad Usman Mehmood,**Ahmad Yar Qamar,** Sanan Raza, Hamayun Khan, Qaisar Shahzad, and Abdul Sattar. **Dystocia due to perosomus elumbis (Acaudatus) in a buffalo.** Pakistan Journal of Zoology, 46 (5); 1468–1470 (2014). (Impact factor: **0.687**, Category of Journal: **X**)
* **Book chapter**
* **Ahmad Yar Qamar,** Xun Fang, Seonggyu Bang, Feriel Yasmine Mahiddine, Min Jung Kim, and Jongki Cho. 2020. **The interplay between exosomes and spermatozoa**. In: Faisal A. Alzahrani., Islam M. Saadeldin (eds). Role of exosomes in biological communication systems. Springer Nature Singapore Pte Ltd. pp 115–140. Link: <https://doi.org/10.1007/978-981-15-6599-1>.
* [**Ahmad Yar Qamar**](http://link.springer.com/search?facet-author=%22Ahmad+Yar+Qamar%22)**,**[Aman Ullah Khan](http://link.springer.com/search?facet-author=%22Aman+Ullah+Khan%22), [Aatka Jamil](http://link.springer.com/search?facet-author=%22Aatka+Jamil%22), and [Muhammad Abu Bakar](http://link.springer.com/search?facet-author=%22Muhammad+Abubakar%22). 2015. **Biotechnology and Animal Reproduction**. In: Abu-Bakr M., Saeed A., Kul O. (eds). The Role of Biotechnology in Improvement of Livestock Animal Health and Biotechnology. Springer, Berlin, Heidelberg. pp 1–26. Link: <http://link.springer.c;om/book/10.1007/978-3-662-46789-3>.
* **Abstract published, oral and poster presentations**
* **Ahmad Yar Qamar,** Xun Fang, Seonggyu Bang, Sang Tae Shin, and Jongki Cho. **Reduced cryo-damage of canine sperm using freezing extender supplemented with antioxidants or extracellular vesicles.** College of Veterinary Medicine, Chungnam National University, 99 Daehak-ro, Yuseong-gu, Daejeon 34134, Republic of Korea. Department of Clinical Sciences, College of Veterinary and Animal Sciences, Jhang 35200, Sub-campus University of Veterinary and Animal Sciences, Lahore 54000, Pakistan. 2020 Korean Society of Animal Reproduction and Biotechnology Annual Symposium, 20 August 2020. **Excellent oral presentation award.**
* Seonggyu Bang, **Ahmad Yar Qamar,** Xun Fang, Sang Tae Shin, and Jongki Cho. **Effects of resveratrol supplementation on freeze-thaw structural and functional integrity of dog sperm**.College of Veterinary Medicine, Chungnam National University, 99 Daehak-ro, Yuseong-gu, Daejeon 34134, Republic of Korea. Department of Clinical Sciences, College of Veterinary and Animal Sciences, Jhang 35200, Sub-campus University of Veterinary and Animal Sciences, Lahore 54000, Pakistan. 2020 Korean Society of Animal Reproduction and Biotechnology Annual Symposium, 20 August 2020.
* **Ahmad Yar Qamar,** Xun Fang, Min Jung Kim, and JongKi Cho. **Improved post-thaw semen quality through supplementation of exosomes isolated from conditioned media of adipose-derived mesenchymal stem cells.** College of Veterinary Medicine, Chungnam National University, 99 Daehak-ro, Yuseong-gu, Daejeon 34134, Republic of Korea. Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University, 1 Gwanak-ro, Gwanak-gu, Seoul 08826, Republic of Korea. Convergence: Challenges and future of Biomedical Science, 25th October 2019. The Korean society for biomedical laboratory Sciences. **Excellent Poster Award.**
* **Ahmad Yar Qamar**, Xun Fang, Min Jung Kim, Byeong Chun Lee, and Jongki Cho. **Role of mesenchymal stem cells derived factors in the enhancement of parameters associated with sperm quality in dogs**.Laboratory of Theriogenology, College of Veterinary Medicine, Chungnam National University, Daejeon, Republic of Korea.Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University, Seoul, Republic of Korea. European veterinary society for small animal reproduction (EVSSAR, 2019).
* Jin Wook Kim, Feriel Yasmine Mahiddine, **Qamar Ahmad Yar**, Byeong Chun Lee, and Min Jung Kim. **Evaluation of the similarities in reproduction parameters of peroxisome proliferator activated receptor α overexpressing dogs in a muscle-specific manner**.Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University, Seoul, Republic of Korea. Laboratory of Theriogenology, College of Veterinary Medicine, Chungnam National University, Daejeon, Republic of Korea. European veterinary society for small animal reproduction (EVSSAR, 2019).
* Tae Hee Lee, Min Jung Kim, **Ahmad Yar Qamar**, and Byeong Chun Lee. **Sperm cryopreservation using conditioned medium derived from amniotic mesenchymal stem cells in dogs**. Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University, Seoul, Republic of Korea. College of Veterinary Medicine, Chungnam National University, Daejeon, Republic of Korea. European veterinary society for small animal reproduction (EVSSAR, 2019).
* **Ahmad Yar Qamar**, Xun Fang, Min Jung Kim, Byeong Chun Lee, Sang Tae Shin, and JongKi Cho. **Cryopreservation of canine spermatozoa using adipose**-**derived mesenchymal stem cells**.Laboratory of Theriogenology, College of Veterinary Medicine, Chungnam National University, Daejeon, Republic of Korea. Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University, Seoul, Republic of Korea. [Journal of Veterinary Science. (May 2019)].
* **Ahmad Yar Qamar**, Xun Fang, Min Jung Kim, and JongKi Cho. **Expression of different genes and secretion of their associated proteins by canine adipose-derived mesenchymal stem cells**.Laboratory of Theriogenology, College of Veterinary Medicine, Chungnam National University, Daejeon, Republic of Korea. Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University, Seoul, Republic of Korea. Australasian Extracellular Vesicles Conference. 14–16 Nov 2018.
* **Ahmad Yar Qamar**, Xun Fang, Min Jung Kim, and JongKi Cho. **Comparative analysis of proteins and their relative gene expression among canine adipose-derived mesenchymal stem cells and skin fibroblasts**. Laboratory of Theriogenology, College of Veterinary Medicine, Chungnam National University, Daejeon, Republic of Korea. Department of Theriogenology and Biotechnology, College of Veterinary Medicine, Seoul National University, Seoul, Republic of Korea. Korean Society of Veterinary Science (KSVS) 25–27 Oct 2018.
* Xun Fang, **Ahmad Yar Qamar**, and JongKi Cho. **Enhance porcine cloned embryo by flavone supplement during preimplantation development**[.](https://www.ncbi.nlm.nih.gov/pubmed/29162325) College of Veterinary Medicine, Chungnam National University, Daejeon 34134, Republic of Korea. Korean Society of Veterinary Science (KSVS) 25–27 Oct 2018.
* **Ahmad Yar Qamar**, Xun Fang, and Jongki Cho. **Identification of proteins associated with cell repair from canine adipose-derived mesenchymal stem cells isolated conditioned media**.College of Veterinary Medicine, Chungnam National University, Daejeon 34134, Republic of Korea. The 18th International Symposium on Developmental Biotechnology. **Best Poster Award**. 1–2 November 2018.
* **Ahmad Yar Qamar**, Xun Fang, Pantu Kumar Roy, Ghangyong Kim, and JongKi Cho. 2018. **Improved developmental competence of porcine transgenic nuclear-transferred embryos derived from cloned fetal kidney fibroblasts**. College of Veterinary Medicine, Chungnam National University, Daejeon 34134, Republic of Korea. The 1st Joint Meeting of Veterinary Science in East Asia. **Excellent Poster Merit**. 10–12 May 2018.
* Pantu Kumar Roy, Xun Fang, **Ahmad Yar Qamar**, Sangtae Shin, and Jongki Cho. 2018. **“Chitosan nanoparticles (CNP) improve development competence of *in-vitro* matured porcine oocytes”**. College of Veterinary Medicine, Chungnam National University, Daejeon 34134, Republic of Korea. The 1st Joint Meeting of Veterinary Science in East Asia. 10–12 May 2018.
* **Ahmad Yar Qamar**, Xun Fang, Junkyu Park, Pantu Kumar Roy, Bahia MS Hassan, SangtaeShin, and Jongki Cho. **Evaluating the accuracy of temperature monitoring ear tags to aid early disease detection in farm animals**. College of Veterinary Medicine, Chungnam National University, Daejeon 34134, Republic of Korea.K Works Co. Ltd., Yuseong-gu, Daejeon, 34145, Republic of Korea. Korean Society of Veterinary Science. 27th Oct 2017.
* Pantu Kumar Roy, Xun Fang, Bahia MS Hassan, **Ahmad Yar Qamar**, Sangtae Shin, and Jongki Cho. **Development of porcine embryos derived from competent oocytes selected by BCB staining**.College of Veterinary Medicine, Chungnam National University, Daejeon 34134, Republic of Korea. Korean Society of Veterinary Science. 27th Oct 2017.
* Pantu Kumar Roy, Xun Fang, Bahia MS Hassan, **Ahmad Yar Qamar**, Sangtae Shin, and Jongki Cho. **Cobalamin supplementation in maturation media improves developmental competence of porcine oocytes**. College of Veterinary Medicine, Chungnam National University, Daejeon 34134, Republic of Korea. Korean Society of Animal Reproduction. 2017.
* Abid Hussain Shahzad, Abdul Sattar, Ijaz Ahmad, **Ahmad Yar Qamar**, and Nasim Ahmad. **Evaluation of different synchronization and early pregnancy diagnosis methods in postpartum Holstein cows***.* Salt Lake City UT. American Society of Animal Science, Journal of Animal Science, Volume 94, E- Supplement 5. American Dairy Science Association, Journal of Dairy Science, Volume 99, E- Supplement 1. 19–23rd July 2016.
* Muhammad Usman Mehmood, **Ahmad Yar Qamar,** Nasim Ahmad, Abdul Sattar, and Muhammad Abdullah. **Effect of estradiol benzoate on estrus intensity, estrus response and fertility in CIDR-treated crossbred heifers**. J. Anim. Sci. Vol, 91, E-Suppl. 2/J. Dairy Sci. Vol. 96, E- Suppl. 1.
* Sanan Raza, Muhammad Younus, **Ahmad Yar Qamar,** Tariq Abbas, Hamayun Khan, and Aman Ullah Khan**. Comparison of hCG and GnRH in enhancing pregnancy rate of non-lactating cycling brood mares**. World Academy of Science, Engineering and Technology, International Science Index, Animal and Veterinary Sciences, 2(2), 149. (2014).
* Sanan Raza, Hamayun Khan, Muhammad Younus, **Ahmad Yar Qamar,** Tariq Abbas, and Mujahid Zafar. **Comparative assessment of hCG with Estrogen in increasing pregnancy rate in mixed parity buffaloes**. World Academy of Science, Engineering and Technology, International Science Index, Animal and Veterinary Sciences, 2(4), 155. (2014).
* **Ahmad Yar Qamar**, Abdul Sattar, and Nasim Ahmad. **Cholesterol Enhances Post-Thaw Semen Quality in Buffaloes (Bubalus bubalis).** Department of Theriogenology, University of Veterinary and Animal Sciences, Lahore 54000, Pakistan. The 10th World Buffalo Congress and the 7th Asian Buffalo Congress May 6-8, 2013 Hilton Phuket Arcadia Resort and Spa, Phuket, Thailand.
* **Lectures/ Presentations/ Webinars/Seminars**
* Organized a symposium entitled “**Dairy Farmer’s Challenges and Their Solutions**” held at the College of Veterinary and Animal Sciences, Jhang on Thursday, 21st July 2022.
* Attended a seminar entitled “**Application of Nuclear Techniques for the Development of Agriculture Sector in Pakistan**” held at Nuclear Institute for Agriculture & Biological (NIAB), Pakistan on 27th December 2021.
* Organized a webinar on “**Utilizing the Sexed Semen in Dairy Cattle**” on Thursday; 25th November 2021.
* Attended a webinar on “**One Health Approach; To Control Pandemics and Zoonosis**” on Monday; 15th November 2021.
* Attended a webinar on “**Maximizing Genetic Potential With Embryo Transfer and IVF Technology**” on Wednesday; 27th January 2021.
* Presenter of an international webinar on **"Reduced Cryo-Damage of Canine Sperm Using Freezing Extender Supplemented With Antioxidants and Exosomes"** on Wednesday; 04th November 2020.
* Invited speaker: **Introduction to Ultrasound** & **Reproductive Anatomy of Mare.** A three days workshop on “**Veterinary Ultrasonography**” at the College of Veterinary and Animal Sciences, Jhang, Pakistan, December 1-3, 2014.
* Participated as a **Focal person** **and coordinator** in Three days workshop on “**Veterinary Ultrasonography**” from 1st December to 3rd December 2014 held at College of Veterinary and Animal Sciences, Jhang, Pakistan.
* Invited speaker: **Malpractice in Animal Reproduction in the field.** One day farmer workshop at Gojra Faisalabad, 17th June 2014.
* **Workshops, short training courses & conferences**
* Attended a one-day workshop on “Research Proposal Writing and Intellectual Property Rights” organized by the College of Veterinary & Animal Sciences, Jhang on 24th August 2022.
* Organized a one-day workshop on “ **Evaluation of Low-Grade Lameness in Horses: A Diagnostic Roadmap**” held at the College of Veterinary & Animal Sciences, Jhang on 04th July 2022.
* Attended a training workshop under the “Agricultural Linkages Program (ALP)” project on “**Laparoscopic Artificial Insemination in Goats**” held at Animal Sciences Institute, National Agricultural Research Center, Islamabad on 16th March 2022.
* Attended 5 days of virtual training on “**Biorisk Management**” held at the College of Veterinary & Animal Sciences, Jhang on 10–14th January 2022.
* Attended 3 days’ “**Faculty Professional Training”**, held at the College of Veterinary & Animal Sciences, Jhang on 8–10 June 2015.
* Participated in “**International Livestock, Dairy, and Poultry Congress**” from 14th April to 15th April 2015 at **Expo Centre, Lahore**, Pakistan.
* Participated in **“International Symposium on Dairy Animal Reproduction** (ISDAR 2015)” from 30th March to 31st March 2015 at the University of Veterinary and Animal Sciences, Lahore, Pakistan.
* Participated in a three-day conference as an organizer of the “**International Conference on Advances in Parasitology and Public health (ICAPPH)**” from 22nd October to 24th October 2014 held at the College of Veterinary and Animal Sciences, Jhang, Pakistan.
* Participated in “**International Livestock, Dairy, and Poultry Congress**” from 11th March to 12th March 2014 at **Aiwan- e-Iqbal Complex**, Lahore, Pakistan.
* Participated in 3-days HEC-AIT Cascading workshop on “**Ensuring Training Effectiveness**” 11th-13th September 2013 held at College of Veterinary and Animal Sciences, Jhang, Pakistan.
* Participated in three days workshop on “**Data Analysis**” from 20th May to 22nd May 2013 conducted by Bio-Statistical Consulting Center, UVAS Lahore at College of Veterinary and Animal Sciences, Jhang, Pakistan.
* Participated in two days congress on “**International Livestock, Dairy, and Poultry Congress**” on 17th-18th April 2013 at **Awan-e-Iqbal Lahore**, Pakistan.
* Participated in two days training workshop on “**Use of EndNote X5 for Biomedical Researchers**” held on 5th-6th April 2013 conducted by College of Veterinary and Animal Sciences, Jhang, Pakistan**.**
* Workshop on “**New Approaches of Estrus Synchronization in Dairy Animals**” through video conference on April 11, 2012, with the collaboration of **Michigan State University**, USA through the **PAK-US Science** and **Technology HEC project**.
* “**Professional Competency Enhancement Workshop for Teachers**” held on 20th-24th February 2012 organized by the Center for Educational Policy and Administration at CVAS, Jhang.
* In-Vitro Fertilization (IVF) Training **National Agriculture Research Council, Islamabad** (1 Month in August 2010).
* Participated in a workshop on “**Improved Reproductive Management in Dairy Animals**” organized by the Department of Theriogenology, in collaboration with **ALP PARC, Islamabad and Al-Haiwan Sires** (SPU), Sahiwal on March 6th, 2010.
* **Expertise**
* Artificial insemination
* Estrus synchronization in dairy animals
* Fluorescence activated cell sorting (FACs)
* In-vitro fertilization (IVF)
* Parthenogenesis
* PCR (genomic, reverse transcriptase, real-time, and Gradient)
* Primer designing using Snap Gene software
* Semen processing and cryopreservation
* Somatic cell nuclear transfer (SCNT)
* Stem cells culture
* Ultrasonography in all domestic animals
* Western Blotting
* **Memberships**
* Pakistan Veterinary & Medical Council (PVMC)
* Society for Animal Reproduction of Pakistan (SARP)
* UVAS alumni association
* UVAS Academic Staff Association (ASA)
* UVAS 24/7 Extension Services Team
* **English & other languages proficiency**
* **IELTS: 6.5 BANDS;** **Speaking:** 6.5, **Writing:** 6.5, **Reading:** 6.0, and **Listening**: 7.5
* **TOPIK: 3 Level; Speaking:** 50/100, **Writing:** 47/100, **Listening:** 44/100
* **Scholastic rewards**
* **Korean Government Scholarship Program.** (Doctoral Degree)
* **Merit scholarship:** M.Phil. Theriogenology (Theriogenology)
* **Merit scholarship:** During Doctor of Veterinary Medicine
* **References**
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