

Dr. Gopal Reddy

Peer-reviewed Publications:

- 1) Hanafy, A.M., H.A. Khalil, Omnia E. Kilany, Marwa A. Hassan, Mohamed S. Yusuf, Abdelazim Ibrahim, I.M. Fares, A.M. Hassan and **G. Reddy**, 2016. Efficacy of Oil Mixture Supplementation on Productive and Physiological Changes of Laying Japanese Quail (*Coturnix coturnix japonica*). *Asian J. Anim. Vet. Adv.*, 11: 24-33
- 2) Heba M. A. Abdelrazek^{1*}, Hend M. Tag², Omnia E. Kelany³, **Reddy, G**, Hassan A. M. 2016. Immunomodulatory effect of dietary turmeric supplementation on Nile tilapia (*Oreochromis niloticus*). *Aquaculture Nutrition*. (Manuscript ANU-15-279, Accepted for publication)
- 3) Abdelrahman Mohamed, **Gopal Reddy**, Temesgen Samuel; Mahmoud Mansour, Abdela S. Woubit. *Clostridium difficile* (Cd) in Shelter Dogs: Rationale for Screening Pets slated for Adoption. *Journal of Diagnostic Microbiology and Infectious Disease* (In Press, Symbiosis Journal of Veterinary Science. 2016)
- 4) Yusuf, M.S., M.S. Hassan, H.M. Tag, K. Srivastava, **P.G. Reddy** and A.M. Hassan. Influence of Turmeric (*Curcumina Longa*) on Performance, Histomorphology and Microbiota of Intestine in Juvenile Tilapia *Oreochromis niloticus*). *Pakistan Veterinary Journal*, 2016 (Accepted for Publication)
- 5) Giang Nguyen, Magda Ismail Abo-Samaha, **Gopal Reddy**, Mohammed Abdulrahman, Temesgen Samuel, Abiodun Adesiyun and Woubit Abdela. Improved Detection of *Campylobacter jejuni*, *Listeria monocytogenes* and *Salmonella* Typhimurium from Raw Meat Products Using Conventional and Newly Developed TaqMan Assays. 2015. *Int. J. Poult. Sci.*, 14 (7): 364-375, 2015
- 6) Hazem Ramadan, Byungjin Min, Amit K. Tiwari, **Gopal Reddy**, Abiodun Adesiyun, Arthur Hinton Jr. and Woubit Abdela. Antibacterial Activity of Pomegranate, Orange and Lemon Peel Extracts Against Food-Borne Pathogens and Spoilage Bacteria In vitro and on Poultry Skin, *Int. J. Poult. Sci.*, 14 (4): 229-239, 2015
- 7) Ahmed I. A, Helal M. A, Ramadan S. G, Mahboub H.1, Byomi A. M , **Reddy P.G.** 2014. Risk Factors Associated with Galactophagia and Its Impacts on Some Productive and Reproductive Traits in Dairy Cows and Buffaloes. *Research and Reviews: Journal of Dairy Science and Technology* ISSN: 2319-3409(online), ISSN: 2349-3704(print), Vol 4, Issue 2.
- 8) Ibrahim, A. Ahmed, Gamal, S. El Afandi, **Gopal Reddy**. 2014. Modelling an econometric regional equations for avian influenza outbreaks in Egypt under current climate conditions. *International Journal of Biological Sciences and Applications* 2014; 1(3): 72-78. Published online August 30, 2014

(<http://www.aascit.org/journal/ijbsa>), American Association for Science and Technology

- 9) Pridgeon, J.W. M. Yeldrin-Aksoy, P.H. Klesius, K. Kozima, j.A. Mobley, K.K. Srivastava, **P.G. Reddy**. Identification of *gyrB* and *rpoB* gene mutations and Differentially expressed proteins between a novobiocin-resistant *Aeromonas hydrophila* catfish vaccine strain and its virulent parent strain. *Vet Microbiol* 2013 Oct 25 166(3-4) 624-30 doi 10 1016, j vetmic 2013 07 025Epub 2013 Aug 2
- 10)Pridgeon, J.W., Y. Li, M. Y. Aksoy, L. Song, P.H.Klesius, K.K. Srivastava and **P.G. Reddy**. Fitness cost, *gyrB* mutation, and absence of phosphotransferase system fructose specific IIABC component in novobiocin-resistant *Streptococcus iniae* vaccine strain ISNO. *Vet Microbiol*. 2013. 165(3-4):384-91
- 11)Yildirim-Aksoy, M., J.W. Pridgeon, P. Klesius, K.K. Srivastava, and **G. Reddy**. Attenuation of a virulent *Aeromonas hydrophila* with novobiocin and pathogenic characterization of the novobiocin-resistant strain. *J Appl. Microbiol*. 2012: 113(6):1319-28
- 12)Pridgeon, J.W., Aksoy, M, Klesius, P.H, Li, Y., Mu X, Srivastava, K, **Reddy G**. Identification and expression profiles of multiple genes in Nile tilapia in response to bacterial infections. *Veterinary Immunol*. 2011: 144: 111-119
- 13)Pridgeon, J.W.^a, Klesius, P.H.^a, Mu, X.^a, Carter, D.^b, Fleming, K^b, Xu, Dehai^a, K.K. Srivastava, **P.G. Reddy**, Identification of unique DNA sequences present in highly virulent 2009 Alabama isolates of *Aeromonas hydrophila*. *Veterinary Microbiology*, 2011: 152: 117-125
- 14)Taha, E.G., A. Mohamed, K.K. Srivastava and **P.G. Reddy**. Rapid detection of *Salmonella* in chicken meat using immunomagnetic separation, CHROMagar, ELISA and Real-Time Polymerase Chain Reaction (RT-PCR). *Intl. J. Poultry Sci.*, 9:831-835, 2010
- 15)Abdelgadir, A.M.M.A., K.K. Srivastava, and **P.G. Reddy**. Detection of *Listeria monocytogenes* in ready-to-eat meat products. *Amer. J. Ani. Vet. Sci*. 4: 101-107, 2009
- 16)Essam S. Soliman, E.G. Taha, M.A.A. Sobieh and **P.G. Reddy**. Efficacy of some Commercial Chemical Disinfectants on *Salmonella enterica serovar Typhimurium*. *Am. J. Anim. & Vet. Sci*. 4(3): 58-64, 2009
- 17)Nimmanapalli. R., C. Sharmila and **P.G. Reddy**. 2010. Immunomodulation of caprine lentivirus infection by interleukin-16. *Comp Immunol Microbiol Infect Dis*. 33 (2010)529-536

- 18) Hassan, A.M. H. M. AbdelAzeem and **P.G. Reddy**. 2009. Effect of Some Water Supplements on the Performance and Immune System of Chronically Heat-Stressed Broiler Chicks. *International Journal of Poultry Science* 8 (5): 432-436
- 19) Abdelgadir A.M.M.A., K.K. Srivastava, and **P.G. Reddy**. 2009. Detection of *Listeria monocytogenes* in ready-to-eat meat products. *Am. J. Anim & Vet. Sci.* 4 (4):101-107
- 20) Prasadini, P., A. R. Reddy, R. Anuradha, P. Praveen, and **P.G. Reddy**. 2007. A study on the effect of paper mill effluent on growth of chicks. *J. Industrial Pollution Control* 22 (1): 73-76
- 21) Solaiman, S.G., T.J. Craig Jr., **G. Reddy**, C.E. Shoemaker. 2007. Effect of high levels of Cu supplement on growth performance, rumen fermentation, and immune responses in goat kids. *Small Ruminant Res.* 69: 115-123

Book Chapter:

Amit Tiwari, Roopali Mittal, Arun Agrawal, Marilyn Tourne, Srinivas V. Koduru, Gopal Reddy. 2014. *Nanoparticle-Based Therapeutics To Circumvent Cancer Chemoresistance* in Nanobiomedicine edited by B.S. Bhoop and published by M/s Stadium Press LLC, USA

Presentations:

- 1) **Reddy, G.** 2016. Global Warming & Climate Change: Opportunities & Challenges for Enhancing Livestock Production. International Conference on Climate Change & Food Security, Hyderabad, India. Organized by Agri Biotech Foundation, Rajendranagar, Hyderabad, February 11-13, 2016. (Invited paper)
- 2) W.S. Abdela, G. Nguyen, M. Abo Samaha, M. Abdulrahman, **G. Reddy**. Multiplex TaqMan assay for the prevalence of *C. jejuni*, *L. monocytogenes* and *S. Typhimurium* in local retail meat samples. 94th Annual Meeting of the Conference of Research Workers in Animal Diseases (CRWAD), December 8, 2013, Chicago, IL
- 3) Mohamed, Woubit A, T. Samuel, **G. Reddy**. *Clostridium difficile* in companion animals, Prevalence, Ribotyping and Toxin characterization. American Society for Microbiology, May 18-2, 2013 Denver, Colorado
- 4) **Reddy, G.** 2012. Nanobiotechnology –based prophylactic and therapeutic strategies for combating infectious & non-infectious diseases. Proceedings of the International Conference on Environmental Impact on Human Health & Therapeutic

Challenges (ICEHT-2012), S.V. University, Tirupathi, India, December 20-22, 2012.
Pages 5-7

- 5) Giang Nguyen, **Gopal Reddy**, Mohamed Abdulrahman, Woubit Abdela. Quantitative Multiplex Real-Time PCR identification of *S. Typhimurium*, *C. jejuni* and *L. monocytogenes* in meat samples from retail markets, USDA, Washington DC, November 27-29, 2012
- 6) Moonil Kim, Woubit S. Abdela, and **P. Gopal Reddy**. Detection of mutant p53 using field-effect transistor biosensor. Workshop on Novel Sampling and Sensing for Improving Food Safety, June 16-17, 2011 (Atlanta, GA)
- 7) **Reddy, P.G.** 2011. Emerging & Reemerging foodborne Pathogens. Proceedings of the Workshop on "Food Safety & Risk Analysis", Lyola Academy Degree & P.G. College, Secunderabad, India, July 6-9, 2011. Pages 15-17
- 8) Moonil Kim, Abdela Salah Woubit, and **P. Gopal Reddy**. Inhibitory effect of hypoxia on camptothecin-induced apoptosis by Bax down-regulation. 12th Annual Biomedical Research Symposium, September 22-23, 2011 (Tuskegee, AL)
- 9) Moonil Kim, Abdela Salah Woubit, K. Srivastava, and **P. Gopal Reddy**. Detection of *Salmonella* Typhimurium using DNA barcode amplification assay. 92nd Annual Meeting of the Conference of Research Workers in Animal Diseases (CRWAD), December 4-6, 2011 (Chicago, IL)
- 10) Grant, K.E.,* K.K. Srivastava, R. Whittington, J. Newton, A. Mohamed, and **G. Reddy**. Efficacy of Curcumin-supplemented Diets in Enhancing Immunity Against *Aeromonas hydrophila* in Channel Catfish. *Presented at 115th General Meeting, American Society of Microbiology, New Orleans, LA May 30- June 2, 2015
- 11) Prodgeon, J.W.,* M.Y. Aksoy, P.H. Klesius. K. Srivastava, **G. Reddy**. Attenuation of a virulent *Aeromonas hydrophila* with novobiocin and pathogenic characterization of the novobiocin-resistant strain. *Presented at 13th Biomedical Research Symposium, Tuskegee University, Tuskegee, AL, September 20-21, 2012
- 12) Yamani, M.,* K.K.Srivastava, J. Heath, and **P.G. Reddy**. Ultrastructural and mitochondrial membrane proteomic studies to elucidate the underlying causes of obesity. *Presented at 47th Annual Veterinary Medical Symposium, Tuskegee University, Tuskegee, AL, March 21-25, 2012
- 13) Carter, D.,*, K. Fleming, J. Pridgeon, **G. Reddy**, K. Srivastava and P. Klesius,*Presented at 11th Annual Biomedical Research Symposium, Tuskegee University, Tuskegee, AL, September, 23-24, 2010

- 14) Flemings, K. *, D. Carter, J. Pridgeon, **G. Reddy**, K. Srivastava and P. Klesius.
*Presented at 11th Annual Biomedical Research Symposium, Tuskegee University,
Tuskegee, AL, September, 23-24, 2010
- 15) Taha, E. *, A. Mohamed, K.K. Srivastava, and **P.G. Reddy**. Rapid detection of
Salmonella in retail chicken meat using CHROMagar plus immunomagenetic
separation, ELISA, and Polymerase Chain Reaction (P.C.R.) assay. *Presented at
9th Annual Biomedical Research Symposium, Tuskegee University, Tuskegee, AL,
September, 16-19, 2008