Reference Sections: January, 2015

Attention: The next posting of a reference list will be in

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AMPHIBIANS

Antwis RE et al. 2014. Ex situ diet influences the bacterial community associated with the skin of **red-eyed tree frogs** (*Agalychnis callidryas*). PLoS One, 9(1): e85563.

Berkvens CN. 2014. Serum and hepatic vitamin A levels in captive and wild **marine toads** (*Bufo marinus*). Zoo Biology, 33(6): 536-543.

Brenes-Soto A et al. 2014. Effect of dietary carotenoids on vitamin A status and skin pigmentation on **false tomato frogs** (*Dyscophus guineti*). Zoo Biology, 33(6): 544-552.

Clugston RD & Blaner WS. 2014. **Vitamin A (retinoid) metabolism** and actions: what we know and what we need to know about amphibians. Zoo Biology, 33(6): 537-535.

de Sousa VTT et al. 2014. Flexible feeding kinematics of a tropical **carnivorous anuran tadpole**. Journal of Zoology, 293(3): 143-217.

Dugas MB, Yeager J & Richards-Zawacki CL. 2013. Carotenoid supplementation enhances reproductive success in captive **strawberry poison frogs** (*Oophaga pumilio*). Zoo Biology, 32(6): 592-599.

Dutton C et al. 2014. The effect of supplementation with vitamin A on serum and liver concentrations in **Puerto Rican crested toads** (*Peltophryne lemur*) and its lack of impact on brown skin disease. Zoo Biology, 33(6): 553-557.

Ferrie GM et al. 2014. Nutrition and health in **amphibian husbandry**. Zoo Biology, 33(6): 485-501.

Knoop R. et al. 2014. Vitamin C supplementation has no effect on **American bullfrog's** immune response. Journal of Animal Physiology and Animal Nutrition, 99(1): 85-91.

Livingston S. 2014. Challenges with effective nutrient supplementation for **amphibians**: a review of cricket studies. Zoo Biology, 33(6): 565-576.

Olea-Popelka F et al. 2014. Leaping forward in **amphibian** health and nutrition. Zoo Biology, 33(6): 586-589.

Pessier AP et al. 2014. Causes of mortality in **anuran amphibians** form an ex situ survival assurance colony in Panama. Zoo Biology, advanced e-alert.

Pryor GS. 2014. Tadpole nutritional ecology and digestive physiology: implications for captive rearing of **larval anurans**. Zoo Biology, 33(6): 502-507.

Rodriguez CE & Pessier AP. 2014. Pathologic changes associated with suspected **hypovitaminosis A** in amphibians under managed care. Zoo Biology, 33(6): 508-515.

Sullivan KE et al. 2014. Vitamin A values of world-caught **Cuban tree frogs** (*Osteopilus septentrionalis*) and marine toads (*Rhinella marina*) in whole body, liver and serum. Journal of Zoo and Wildlife Medicine, 45(4): 892-895.

Tapley B et al. 2014. Meeting **ultraviolet B** radiation requirements of amphibians in captivity: a case study with mountain chicken frogs (*Leptodactylus fallax*) and general recommendations for pre-release health screening. Zoo Biology, advanced e-alert.

.BIRDS

Kenow KP et al. 2014. Hand-rearing, growth, and development of common **loon** (*Gavia immer*) chicks. Zoo Biology, 33(4): 360-371.

Mata F & Lam A. 2013. Investigating the relationship between feed and helminthic burden of captive **birds of prey** in Hong Kong. Zoo Biology, 32(6): 652-654. Troup G & Dutka TL. 2014. Osmotic concentration of prey affects food discrimination behaviour in the **Australian pelican**. Journal of Zoology, advance e-alert.

Perrig M et al. 2014. Experimental food supplementation affects the physical development, behaviour and survival of **Little Owl** *Athene noctua* nestlings. Ibis, 256(4): 755-767.

Witteveen M, Brown M & Downs CT. 2013. Does sugar content matter? Blood plasma glucose levels in an occasional and specialist **avian nectarivore**. Comparative Biochemistry and Physiology Part A: Molecular and Integrative Physiology, advance e-alert.

FEEDS, FORAGES and METHODOLOGY

Brooks mA et al. 2014. Effect of varying **dietary starch and fiber levels** and inoculum source (**mule deer** versus dairy cow) on simulated rumen fermentation characteristics. Zoo Biolgy, 33(2): 110-120.

Glasser F et al. 2013. Fat and fatty acid content and composition of **forages**: a meta-analysis. Animal Feed Science and Technology, advance e-alert.

Christian AL et al. 2015. Nutrient and mineral composition during shoot growth in seven species of Phyllostachy and Pseudosasa **bamboo** consumed by giant panda. Journal of Animal Physiology and Animal Nutrition, advance e-alert.

FISH (aquaria)

FOOD SAFETY

INVERTEBRATES (terrestrial and aquatic)

Moini M et al. 2014. Understanding irregular shell formation of **Nautilus** in aquaria: chemical composition and structural analysis. Zoo Biology, 33(4): 285-294.

Vidhya et al. 2014. The effects of mixed algal diets on population growth, egg productivity and nutritional profiles in **cyclopoid copepods** (*Thermocyclops hyalinus* and *Mesocyclops aspericornis*). The Journal of Basic and Applied Zoology, advanced e-alert.

MAMMALS

Anderson KM & Wolf KN. 2014. Iron deficiency anemia in a **ring-tailed lemur** (*Lemur catta*) with concurrent chronic renal failure. Journal of American Veterinary Medical Association, 244(4): 471-475.

Bapodra P et al. 2014. Evaluation of season-related dietary changes on the serum profiles of fatsoluble vitamins, mineral fatty acids, and lipids in the captive **greater one-horned rhinoceros** (*Rhinoceros unicornis*). Zoo Biology, 33(4): 314-319. Das A et al. 2014. Effect of concentrates restriction on feed consumption, diet digestibility, and nitrogen utilization in captive **Asian elephants** (*Elephas maximus*). Zoo Biology, advanced ealert.

Dittman MT et al. 2013. Energy requirements and metabolism of the Phillip's **dik dik** (*Madoqua saltiana phillipsi*). Comparative Biochemistry and Physiology Part A: Molecular and Integrative Physiology, 167: 45-51.

Gattiker C et al. 2014. Diet and diet-related disorders in captive **ruminants** at the national zoological gardens of South Africa. Zoo Biology, 33(5): 426-432.

Gull JM et al. 2014. Digestive physiology of captive **giant anteaters** (*Myrmecophaga tridactyla*): determinants of faecal dry matter content. Journal of Animal Physiology and Animal Nutrition, advance e-alert.

Hummel J et al. 2014. Solute and particle retention in a small grazing antelope, the **blackbuck** (*Antilope cervicapra*). Comparative Biochemistry and Physiology Part A: Molecular and Integrative Physiology, advance e-alert.

Johnson-Delaney, CA. 2014. Captive **marsupial** nutrition. Veterinary Clinics of North America Exotic Animal Practice, 17(3): 415-447.

Kerr KR et al. 2014. Commercially available avian and mammalian whole prey diet items targeted for consumption by managed exotic and domestic pet **felines**: macronutrient, mineral and long-chain fatty acid composition, Zoo Biology, 33(4): 327-335.

Kerr KR et al. 2014. Apparent total tract energy and macronutrient digestibility of one-to-three-day old, adult ground, extruded, and canned chicken-based diets in domestic **cats** (*Felis silvestris catus*). Journal of Animal Science, 92(8): 3441-3448.

Komprda T et al. 2014. Effect of dietary *Schizochytrium* microalga oil and fish oil on plasma cholesterol level in **rats**. Journal of Animal Physiology and Animal Nutrition, advance e-alert.

Liptovsky M et al. 2014. Urolithiasis in a captive group of **Tammar wallabies** (*Macropus eugenii*). Zoo Biology, 33(5): 455-458.

Monson S et al. 2014. Identifying and managing an adverse food reaction in a **polar bear** (*Ursus maritimus*) by an elimination trial diet. Journal of Zoo and Wildlife Medicine, 45(2): 417-419.

Müller J et al. 2014. Growth and wear of incisor and cheek teeth in domestic **rabbits** (*Oryctolagus cuniculus*) fed diets of different abrasiveness. Journal of Experimental Zoology A: Ecological and Gebetic Physiology, 321(5): 283-298.

Müller J et al. 2014. Tooth length and incisal wear and growth in **guinea pigs** (*Cavia porcellus*) fed diets of different abrasiveness. Journal of Animal Physiology and Animal Nutrition, advanced e-alert.

Nogueira-Filho SL et al. 2014. Nitrogen requirements of **white-lipped peccary** (Mammalia, Tayassuidae). Zoo Biology, 33(4): 320-326.

Oldham CL et al. 2013. Volatile fatty acid profile for grass hay or alfalfa hay fed to **alpacas** (*Vicugna pacos*). Journal of Animal Physiology and Animal Nutrition, 98(5): 908-913.

Petzinger JL et al. 2014. Proximate composition of milk of the **bongo** (*Tragelaphus eurycerus*) in comparison to other African bovids and to hand-rearing formulas. Zoo Biology, 33(4): 305-313.

Prebble, JL. 2014. Bodyweight and body condition score in **rabbits** on four different feeding regimes. Journal of Small Animal Practice, advance e-alert.

Rolfe AK et al. 2014. Species-level analysis of diets of two **mormoopid bats** from Puerto Rico. Journal of Mammalogy, 95(3): 587-596.

Ruskell, AD et al. 2014. Effect of bungee-carcass enrichment on behaviour and fecal glucocorticoid metabolites in two species of zoo-housed **felids**. Zoo Biology, advanced e-alert.

Scmidt DA et al. 2014. Fiber digestibility in **royal antelope** (*Neotragus pygmaeus*). Journal of Zoo and Wildlife Medicine, 45(4): 744-748.

Schneeberger K et al. 2104. Frugivory is associated with low measures of plasma oxidative stress and high antioxidant concentration in free-ranging **bats**. Naturwissenschaften, 101(4): 285-290.

Schoster A et al. 2014. Probiotic use in **horses** –what is the evidence for their clinical efficacy? Journal of Veterinary Internal Medicine, advanced e-alert.

Schumann K et al. 2104. Animal housing and welfare: effects on housing conditions on body weight and cortisol in a medium-sized **rodent** (*Cavia aperea*). Journal of Applied Animal Welfare Science, 17(2): 111-124.

Smith BK et al. 2014. Nutrition of the captive **western lowland gorilla** (*Gorilla gorilla gorilla*): a dietary survey. Zoo Biology, 33(5): 419-425.

Spriggs M et al. 2014. Gastrolithiasis in **prehensile-tailed porcupines** (*Coendou prehensilis*): nine cases and pathogenesis of stone formation. Journal of Zoo and Wildlife Medicine, 45(4): 883-891.

Stannard HJ et al. 2014. Dietary composition and nutritional outcomes in two **marsupials** *Sminthopsis macroura* and *S. crassicaudata*. Journal of Mammalogy, 95(3): 503-515.

Vercammen F et al. 2014. Long-term assessment of glucosuria in captive **okapi** (*Okapia johnstoni*) after a dietary change. Journal of Zoo and Wildlife Medicine, 45(3): 632-634.

Wijeyamohan S et al. 2014. A visual system for scoring body condition of **Asian elephants** (*Elephas maximus*). Zoo Biology, advanced e-alert.

NUTRITIONAL PATHOLOGY AND CLINICAL NUTRITION

De Voe RS. 2014. Nutritional support of **reptile** patients. Veterinary Clinics of North America Exotic Animal Practice, 17(2): 249-261.

Dutton C et al. 2014. The effect of supplementation with vitamin A on serum and liver concentrations in Puerto Rican crested toads (*Peltophryne lemur*) and its lack of impact on **brown skin disease.** Zoo Biology, advance e-alert.

Gattiker C et al. 2014. Diet and **diet-related disorders** in captive **ruminants** at the national zoological gardens of South Africa. Zoo Biology, 33(5): 426-432.

Monson S et al. 2014. Identifying and managing an adverse **food reaction** in a **polar bear** (*Ursus maritimus*) by an elimination trial diet. Journal of Zoo and Wildlife Medicine, 45(2): 417-419.

Pessier AP et al. 2014. Causes of mortality in **anuran amphibians** form an ex situ survival assurance colony in Panama. Zoo Biology, advanced e-alert.

Rodriguez CE & Pessier AP. 2014. Pathologic changes associated with suspected **hypovitaminosis** A in amphibians under managed care. Zoo Biology, 33(6): 508-515.

Vercammen F et al. 2014. Long-term assessment of **glucosuria in captive okapi** (*Okapia johnstoni*) after a dietary change. Journal of Zoo and Wildlife Medicine, 45(3): 632-634.

REPTILES

De Voe RS. 2014. **Nutritional support** of reptile patients. Veterinary Clinics of North America Exotic Animal Practice, 17(2): 249-261.

Mans C & Braun J. 2014. Up[date on common nutritional disorders of captive reptiles. Veterinary Clinics of North America Exotic Animal Practice, 17(3): 369-395.