

**Reference Sections: August 2011**

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

***February, 2012***

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***Please Note:*** This reference service provided by CAZA-NARG cannot be all-inclusive and is not intended to be exclusive. The inclusion of any reference in this listing is based only on availability and/or relevance to aquarium and zoo animal nutrition. Inclusion of a reference on this list does not indicate an acceptance and/or rating of the research. If you have a peer-reviewed paper to include in this list, please send the citation information to the Secretary/Treasurer of CAZA-NARG (below).

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**AMPHIBIANS**

Hector KL, Bishop PJ & Nakagawa S. 2011. Consequences of **compensatory growth** in an amphibian. Journal of Zoology, 284(5): advance e-alert.

King JD, Muhibauer MC & James A. 2011. Radiographic evidence of **metabolic bone disease** in captive bred mountain chicken frogs (*Leptodactylus fallax*). Zoo Biology, 30(3): 254-259.

Schmidt DA, Mulkerin D, Boehm DR et al. 2010. Quantifying the vitamin D<sub>3</sub> synthesizing potential of **UVB lamps** at specific distances over time. Zoo Biology, 29(6): 741-752.

**BIRDS**

Bennett DC, Kaneko A & Karasawa Y. 2011. Maintenance nitrogen requirements of adult female **ostriches** (*Struthio camelus*). Journal of Animal Physiology and Animal Nutrition: advance e-alert.

McDonald DL, Harrison JS, Gelis GJ et al. 2010. Health and nutritional status of **wild Australian psittacines** birds: an evaluation of plasma and hepatic mineral levels, plasma biochemical values, and fecal microflora. Journal of Avian Medicine and Surgery, 24(4): 288-298.

## FEEDS, FORAGES and METHODOLOGY

Bampidis VA & Christodoulou V. 2011. **Chickpeas** (*Cicer arietinum* L.) in animal nutrition: a review. Animal Feed Science and Technology, 168(1-2): 1-20.

Choubert G, Brisbarre F & Baccaunaud M. 2011. Impact of dietary **carotenoid and packaging** during frozen storage on the quality of rainbow trout (*Oncorhynchus mykiss*) fed carotenoids. Journal of the Science of Food and Agriculture: advance e-alert.

Fuller G, Margulis SW & Santymire R. 2011. The effectiveness of **indigestible markers** for identifying individual animal feces and their prevalence of use in North American zoos. Zoo Biology, 30(4): 379-398.

Habib HM & Ibrahim WH. 2011. Nutritional quality of 18 **date** varieties. International Journal of Food Sciences and Nutrition, 62(5): advance e-alert.

Hettiaratchi UPK, Ekanayake S & Welihinda J. 2011. Chemical compositions and glycemic responses to **banana** varieties. International Journal of Food Sciences and Nutrition, 62(4): advance e-alert.

Moreaux SJ, Nichols JL, Bowman JGP et al. 2011. **Psyllium** lowers blood glucose and insulin concentrations in horses. Journal of Equine Veterinary Science, 31(4): 160-165.

Oonincx DGAB & Dierenfeld ES. 2011. An investigation into the chemical composition of alternative **invertebrate prey**. Zoo Biology, 29: 1-15.

Singh KK, Rehal MJ & Barnwal P. 2011. **Flaxseed**: a potential source of food, feed and fiber. Food Science and Nutrition, 51(3): 210-222.

Zotte AD & Szendrő Z. 2011. The role of **rabbit meat** as functional food. Meat Science: advance e-alert.

## FISH (aquaria)

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Sinha AK, Kumar V, Makkar HPS et al. 2011. **Non-starch polysaccharides** and their role in fish nutrition – a review. Food Chemistry: advance e-alert.

## FOOD SAFETY

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Fabbrocini A, Volpe MG, Di Stasio M et al. 2011. Agar-based pellets as feed for **sea urchins** (*Paracentrotus lividus*): rheological behaviour, digestive enzymes and gonad growth. Aquaculture Research: advance e-alert.

Gao Q, Wang Y, Dong S et al. 2011. Absorption of different food sources by **sea cucumber** *Apostichopus japonicas* (Selenka) (Echinodermata: Holothuroidea): evidence from carbon stable isotope. Aquaculture, advance e-alert.

Garcia S, Domingues P, Navarro JC et al. 2011. Growth, partial energy balance, mantle and digestive gland lipid composition of ***Octopus vulgaris*** (Cuvier, 1797) fed with two artificial diets. Aquaculture Nutrition, 17(2): e174-e187.

Kent M, Browdy CL & Leffler JW. 2011. Consumption and digestion of suspended microbes by juvenile **Pacific white shrimp** *Litopenaeus vannamei*. Aquaculture, advance e-alert.

Oonincx DGAB & Dierenfeld ES. 2011. An investigation into the chemical composition of **alternative invertebrate prey**. Zoo Biology, 29: 1-15.

Quintana D, Rosas C & Moreno-Villegas E. 2011. Relationship between nutritional and rearing parametes of ***Octopus maya*** juveniles fed with different rations of crab paste. Aquaculture Nutrition, 17(2): e379-e388.

Seo J-Y & Lee S-M. 2011. Optimum dietary protein and lipid levels for growth of juvenile **sea cucumber** *Apostichopus japonicas*. Aquaculture Nutrition, 17(2): e56-e61.

## MAMMALS

Bell KM, Rutherford SM, Cottam et al. 2011. Evaluation of two milk replacers fed to hand-reared **cheetah cubs** (*Acinonyx jubatus*): nutrient composition, apparent total tract digestibility, and comparison to maternal cheetah milk. Zoo Biology, 30(4): 412-426.

Bell KM, Rutherford SM & Morton RH. 2011. Growth rates and energy intake of hand-reared **cheetah cubs** (*Acinonyx jubatus*) in South Africa. Journal of Animal Physiology and Animal Nutrition: advance e-alert.

Clauss M, Burger B, Liesegang A et al. 2011. Influence of diet on calcium metabolism, tissue calcification and urinary sludge in **rabbits** (*Oryctolagus cuniculus*). Journal of Animal Physiology and Animal Nutrition: advance e-alert.

Das A, Katole S, Kumar A et al. 2011. Feed consumption, nutrient utilization and serum

metabolite profile of captive **blackbucks** (*Antelope cervicapra*) fed diets varying in crude protein content. Journal of Animal Physiology and Animal Nutrition, 95(4): advance e-alert.

Delorme M, Williams KJ & Halopulos AM. 2011. Environment and housing: **New World nectarivorous bats**. In: Bats in Captivity, Volume 3: Diet & Feeding, Environment & Housing (Barnard, S.M., ed.). Logos Press, Washington, D.C. In press.

Delorme M, Williams KJ, Halopulos AM et al. 2011. Diet and feeding: **New World nectarivorous bats**. In: Bats in Captivity, Volume 3: Diet & Feeding, Environment & Housing (Barnard, S.M., ed.). Logos Press, Washington, D.C. In press.

El-Sayyad HI, Abou-Egla MH, El-Sayyad FI et al. 2011. Effects of potato chip supplementation on mouse pregnancy and fetal development. Nutrition, 27(3): 343-350.

Finley TG, Sikes RS, Parsons JL et al. 2011. Energy digestibility of **giant pandas** on bamboo-only and on supplemented diets. Zoo Biology, 30(2): 121-133.

Finnie JW, Windsor PA & Kessell AE. 2011. Neurological diseases of **ruminant livestock** in Australia. II: toxic disorders and nutritional deficiencies. Australian Veterinary Journal, 89(7): 247-253.

Frank N. 2011. **Equine metabolic syndrome**. Veterinary Clinics of North America: Equine Practice, 27(1): 73-92.

Geng YY, Yang FH, Xing XM et al. 2011. Effects of dietary fat levels on nutrient digestibility and production performance of growing-furring **blue foxes** (*Alopex lagopus*). Journal of Animal Physiology and Animal Nutrition: advance e-alert.

Gómez-Campos E, Borrell A & Aguilar A. 2011. Assessment of nutritional condition indices across reproductive states in the striped **dolphin** (*Stenella coeruleoalba*). Journal of Experimental Marine Biology and Ecology,: advance e-alert.

Hackmann TJ. 2011. A system for predicting energy and protein requirements of **wild ruminants**. Zoo Biology, 30(2): 165-188.

Huber HF & Lewis KP. 2011. An assessment of gum-based environmental enrichment for captive **gummivorous primates**. Zoo Biology, 30(1): 71-78.

Kelm DH, Simon R, Kuhlow D et al. 2011. High activity enables life on a high-sugar diet: blood glucose regulation in **nectar-feeding bats**. Proceedings of the Biological Society: advacn e-alert.

Mazzaro LM, Richmond JP, Morgan JN et al. 2011. Evaluation of an alternative to feeding whole frozen fish in **belugas** (*Delphinapterus leucas*). Zoo Biology, 30(1): 32-51.

McCusker S, Shipley LA, Tollefson TN et al. 2011. Effects of starch and fibre in pelleted diets

on nutritional status of **mule deer** (*Odocoileus hemionus*) fawns. Journal of Animal Physiology and Animal Nutrition, 95(4): 409-544.

McKenzie III HC. 2011. **Equine hyperlipidemia**. Veterinary Clinics of North America: Equine Practice, 27(1): 59-72.

Meena V, Jhala YV, Chellam R et al. 2011. Implications of diet composition of **Asiatic lions** for their conservation. Journal of Zoology: advance e-alert.

Moreaux SJJ, Nichols JL, Bowman JGP et al. 2011. Psyllium lowers blood glucose and insulin concentrations in **horses**. Journal of Equine Veterinary Science, 31(4): 160-165.

Mott CL, Bloomquist CK & Nielsen CK. 2011. Seasonal, diet, and ontogenetic patterns of within-den behavior in **beavers** (*Castor Canadensis*). Mammalian Biology, 76(4): 436-444.

Naya DE & Karasov WH. 2011. Food digestibility by microbes in **wild ruminants**: the effect of host species and dietary substrate. Rangelands, 33(1): 31-34.

Olias P, Weiss ATA & Klopfleisch R. 2011. Iron storage disease in **red deer** (*Cervus elaphus elaphus*) is not associated with mutations in the HFE gene. Journal of Comparative Pathology, 145(2-3): 207-213.

Qin G, Zou C, Pang C et al. 2011. Evaluation of fasting metabolism of growing **water buffalo** (*Bubalus bubalis*). Animal Science Journal: advance e-alert.

Rezsutek MJ & Cameron GN. 2011. Diet selection and plant nutritional quality in **Attwater's pocket gopher** (*Geomys attwateri*). Mammalian Biology, 76(4): 385-524.

Ryan EB, Proudfoot KL & Fraser D. 2011. The effect of feeding enrichment methods on the behavior of captive **Western lowland gorillas**. Zoo Biology: advance e-alert.

Scherer-Hoock AL, Greene EA, Lennox M et al. 2011. A comparison of actual and suggested digestible energy intakes of **miniature horses** derived from different feeding recommendations. Journal of Equine Veterinary Science, 31(4): 180-184.

Tschudin A, Clauss M, Codron D et al. 2011. Preference of **rabbits** for drinking from open dishes versus nipple drinkers. Veterinary Record, 168(7): 190.

Woolley L, Page B & Slotow R. 2011. Foraging strategy within **African elephant** family units: why body size matters. Biotropica, 43(4): 489-495.

## NUTRITIONAL PATHOLOGY AND CLINICAL NUTRITION

Dittmer KE & Thompson KG. 2011. Vitamin D metabolism and **rickets** in domestic animals" a review. Veterinary Pathology, 48: 389-407.

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Practice, 27(1): 73-92.

Gopinath B, Harris DC & Flood VM. 2011. Carbohydrate nutrition is associated with the 5-year incidence of **chronic kidney disease**. The Journal of Nutrition, 141(3): 433-439.

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Mollica MP, Lionetti L, Putti R et al. 2011. From chronic overfeeding to **hepatic injury**: role of endoplasmic reticulum stress and inflammation. Nutrition, metabolism and cardiovascular diseases, 21(3): 222-230.

Moreaux SJJ, Nichols JL, Bowman JGP et al. 2011. Psyllium lowers **blood glucose and insulin concentrations** in horses. Journal of Equine Veterinary Science, 31(4): 160-165.

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van der Kolk J, Hoyer MJ, Verstappen FALM et al. 2011. **Diabetes mellitus** in a 50-year-old captive Asian elephant (*Elaphus maximus*). Veterinary Quarterly, 31(2): 99-101.

## REPTILES

Gaikhorst GS, Clarke BR, McPharlin M et al. 2011. The captive husbandry and reproduction of the **pink-eared turtle** (*Emydura victoriae*) at Perth Zoo. Zoo Biology, 30(1): 79-94.

Hobey S, Clauss M, Aebscher A et al. 2011. Dry matter and calcium digestibility in captive **veiled chameleons** (*Chamaeleo calyptratus*). Journal of Animal Physiology and Animal Nutrition: advance e-alert.

Rueda-Zozaya P, Mendoza GD, Crosby MM et al. 2011. Effect of feed type and sex on digestibility and feed efficiency utilization in black **spiny-tailed iguana** (*Ctenosaura pectinata*). Zoo Biology, 30(3): 349-354.

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