

REFERENCES

- Aebersold, R., & Goodlett, D.R. (2001). Mass spectrometry in proteomics. *Chemical Reviews*, 101(2), 269-295.
- Aebersold, R., & Mann, M. (2003). Mass spectrometry-based proteomics. *Nature*, 422, 198-207.
- Afifiyan, F., Armugam, A., Tan, C.H., Gopalakrishnakone, P., & Jeyaseelan, K. (1999). Postsynaptic α -Neurotoxin gene of the spitting cobra, *Naja naja sputatrix*: Structure, organization, and phylogenetic analysis. *Genome Research*, 9(3), 259-266.
- Ahmed, S.M., Ahmed, M., Nadeem, A., Mahajan, J., Choudhary, A., & Pal, J. (2008). Emergency treatment of a snake bite: Pearls from literature. *Journal of Emergencies, Trauma and Shock*, 1(2), 97-105.
- Aird, S.D. (2002). Ophidian envenomation strategies and the role of purines. *Toxicon*, 40(4), 335-393.
- Al-Abdulla, I., Garnvwa, J.M., Rawat, S., Smith, D.S., Landon, J., & Nasidi, A. (2003). Formulation of a liquid ovine Fab-based antivenom for the treatment of envenomation by the Nigerian carpet viper (*Echis ocellatus*). *Toxicon*, 42(4), 399-404.
- Alirol, E., Sharma, S.K., Bawaskar, H.S., Kuch, U., & Chappuis, F. (2010). Snake Bite in South Asia: A review. *PLOS Neglected Tropical Diseases*, 4(1), 1-9.
- Ali, S.A., Stoeva, S., Abbasi, A., Alam, J.M., Kayed, R., Faigle, M., . . . Voelter, W. (2000). Isolation, structural, and functional characterization of an apoptosis-inducing L-amino acid oxidase from leaf-nosed viper (*Eristocophis macmahoni*) snake venom. *Archives of Biochemistry and Biophysics*, 384(2), 216-226.
- Ali, S.A., Yang, D.C., Jackson, T.N., Undheim, E.A., Koludarov, I., Wood, K., . . . Fry, B.G. (2013). Venom proteomic characterization and relative antivenom neutralization of two medically important Pakistani elapid snakes (*Bungarus sindanus* and *Naja naja*). *Journal of Proteomics*, 89, 15-23.
- Amuy, E., Alape-Girón, A., Lomonte, B., Thelestam, M., & Gutiérrez, J.M. (1997). Development of immunoassays for determination of circulating venom antigens during envenomations by coral snakes (*Micrurus* species). *Toxicon*, 35(11), 1605-1116.

Andrião-Escarso, S.H., Soares, A.M., Rodrigues, V.M., Angulo, Y., Díaz, C., Lomonte, B., . . . Giglio, J.R. (2000). Myotoxic phospholipases A₂ in *Bothrops* snake venoms: Effect of chemical modifications on the enzymatic and pharmacological properties of bothropstoxins from *Bothrops jararacussu*. *Biochimie*, 82(8), 755-763.

Antil-Delbeke,S., Gaillard,C., Tamiya, T., Corringer, P.J., Changeux, J.P., Servent, D., & Ménez, A. (2000). Molecular determinants by which a long chain toxin from snake venom interacts with the neuronal alpha 7-nicotinic acetylcholine receptor. *Journal of Biological Chemistry*, 275(38), 29594-29601.

Antil, S., Servent, D., & Ménez, A. (1999). Variability among the sites by which curaremimetic toxins bind to *Torpedo* acetylcholine receptor, as revealed by identification of the functional residues of α-Cobratoxin. *Journal of Biological Chemistry*, 274, 34851-34858.

Araki, S., Ishida, T., Yamamoto, T., Kaji, K., & Hayashi, H. (1993). Induction of apoptosis by hemorrhagic snake venom in vascular endothelial cells. *Biochemical and Biophysical Research Communications*, 190(1), 148-153.

Archundia, I.G., de Roodt, A.R., Ramos-Cerrillo, B., Chippaux, J.P., Olguín-Pérez, L., Alagón, A., & Stock, R.P. (2011). Neutralization of *Vipera* and *Macrovipera* venoms by two experimental polyvalent antisera: A study of paraspécificité. *Toxicon*, 57(7-8), 1049-1056.

Ariaratnam, C.A., Meyer, W.P., Perera, G., Eddleston, M., Kuleratne, S.A., Attapattu, W., . . . Warrell, D.A. (1999). A new monospecific ovine Fab fragment antivenom for treatment of envenoming by the Sri Lankan Russell's viper (*Daboia Russelii Russelii*): A preliminary dose-finding and pharmacokinetic study. *The American Journal of Tropical Medicine and Hygiene*, 61(2), 259-265.

Ariaratnam, C.A., Sheriff, M.H., Arambepola, C., Theakston, R.D., & Warrell, D.A. (2009). Syndromic approach to treatment of snake bite in Sri Lanka based on results of a prospective national hospital-based survey of patients envenomed by identified snakes. *The American Journal of Tropical Medicine and Hygiene*, 81(4), 725-732.

Ariaratnam, C.A., Sjöström, L., Raziek, Z., Kularatne, S.A., Arachchi, R.W., Sheriff, M.H., . . . Warrell, D.A. (2001). An open, randomized comparative trial of two antivenoms for the treatment of envenoming by Sri Lankan Russell's viper (*Daboia russelii russelii*). *Transactions of the Royal Society of Tropical Medicine and Hygiene*, 95(1), 74-80.

Armugam, A., Earnest, L., Chung, M.C., Gopalakrishnakone, P., Tan, C.H., Tan, N.H., & Jeyaseelan, K. (1997). Cloning and characterization of cDNAs encoding three isoforms of phospholipase A₂ in Malayan spitting cobra (*Naja naja sputatrix*) venom. *Toxicon*, 35(1), 27-37.

Audebert, F., Urtizberea, M., Sabouraud, A., Schermann, J.M., & Bon, C. (1994). Pharmacokinetics of *Vipera aspis* venom after experimental envenomation in rabbits. *Journal of Pharmacology and Experimental Therapeutics*, 268(3), 1512-1517.

Azuma, J., Kurimoto, T., Tsuji, S., Mochizuki, N., Fujinaga, S., Matsumoto, Y., & Masuho, Y. (1991). Phase 1 study on human monoclonal antibody against cytomegalovirus: Pharmacokinetics and immunogenicity. *Journal of Immunotherapy*, 10(4), 278-285.

Barber, C.M., Isbister, G.K., & Hodgson, W.C. (2013). Alpha neurotoxins. *Toxicon*, 66, 47-58.

Bazin-Redureau, M., Pepin, S., Hong, G., Debray, M., & Schermann, J.M. (1998). Interspecies scaling of clearance and volume of distribution for horse antivenom (Fab')₂. *Toxicology and Applied Pharmacology*, 150(2), 295-300.

Bazin-Redureau, M.I., Renard, C.B., & Schermann, J.M. (1997). Pharmacokinetics of heterologous and homologous immunoglobulin G, F(ab')₂ and Fab after intravenous administration in the rat. *Journal of Pharmacy and Pharmacology*, 49(3), 277-281.

Bhat, M.K., & Gowda, T.V. (1989). Purification and characterization of a myotoxic phospholipase A₂ from Indian cobra (*Naja naja naja*) venom. *Toxicon*, 27(8), 861-873.

Binh, D.V., Thanh, T.T., & Chi, P.V. (2010). Proteomic characterization of the thermostable toxins from *Naja naja* venom. *Journal of Venomous Animals and Toxins including Tropical Diseases*, 16(4), 631-638.

Birrell, G.W., Earl, S., Masci, P.P., de Jersey, J., Wallis, T.P., Gorman, J.J., & Lavin, M.F. (2006). Molecular diversity in venom from the Australian Brown Snake, *Pseudonaja textilis*. *Molecular and Cellular Proteomics*, 5(2), 379-389.

Bougis, P.E., Marchot, P., & Rochat, H. (1987). In vivo synergy of cardiotoxin and phospholipase A₂ from the elapid snake *Naja mossambica mossambica*. *Toxicon*, 25(4), 427-431.

Bradford, M.M. (1976). A rapid and sensitive method for the quantitation of microgram quantities of protein utilizing the principle of protein-dye binding. *Analytical Biochemistry*, 72(1), 248-254.

Bringans, S., Eriksen, S., Kendrick, T., Gopalakrishnakone, P., Livk, A., Lock, R., & Lipscombe, R. (2008). Proteomic analysis of the venom of *Heterometrus longimanus* (Asian black scorpion). *Proteomics*, 8, 1081-1096.

Brunda, G., Rao, B.S., & Sarin, R.K. (2006). Quantitation of Indian krait (*Bungarus caeruleus*) venom in human specimens of forensic origin by indirect competitive inhibition enzyme-linked immunosorbent assay. *Journal of AOAC International*, 89(5), 1360-1366.

Calvete, J.J. (2009). Venomics: Digging into the evolution of the venomous systems and learning to twist nature to fight pathology. *Journal of Proteomics*, 72(2), 121-126.

Calvete, J.J., Borges, A., Segura, A., Flores-Díaz, M., Alape-Girón, A., Gutiérrez, J.M., . . . Sanz, L. (2009a). Snake venomics and antivenomics of *Bothrops colombiensis* a medically important pitviper of the *Bothrops atrox-asper* complex endemic to Venezuela: Contributing to its taxonomy and snakebite management. *Journal of Proteomics*, 72(2), 227-240.

Calvete, J.J., Escolano, J., & Sanz, L. (2007). Snake venomics of *Bitis* species reveals large intragenus venom toxin composition variation: Application to taxonomy of congeneric taxa. *Journal of Proteome Research*, 6(7), 2732-2745.

Calvete, J.J., Sanz, L., Angulo, Y., Lomonte, B., & Gutiérrez, J.M. (2009b). Venoms, venomics and antivenomics. *FEBS Letters*, 583(11), 1736-1743.

Casasola, A., Ramos-Cerrillo, B., de Roodt, A.R., Carbajal Saucedo, A., Chippaux, J.P., Alagón, A., & Stock, R.P. (2009). Paraspecific neutralization of the venom of African species of cobra by an equine antiserum against *Naja melanoleuca*: A comparative study. *Toxicon*, 53(6), 602-608.

Casewell, N.R., Huttley, G.A., & Wüster, W. (2012). Dynamic evolution of venom proteins in squamate reptiles. *Nature Communications*, 3, 1066.

Chang, L., Chung, C., Lin, J., & Hong, E. (2002). Organization and phylogenetic analysis of κ-Bungarotoxin genes from *Bungarus Multicinctus* (Taiwan Banded Krait). *Genetica*, 115(2), 213-221.

Chang, L.S., Huang, H.B., & Lin, S.R. (2000). The multiplicity of cardiotoxins from *Naja naja atra* (Taiwan cobra) venom. *Toxicon*, 38(8), 1065-1076.

Changeux, J-P. (1990). The TiPS lecture the nicotinic acetylcholine receptor: An allosteric protein prototype of ligand-gated ion channels. *Trends in Pharmacological Sciences*, 11(12), 485-492.

Chanhomea, L., Coxb, M.J., Vasaruchaponga, T., Chaiyabutra, N., & Sitprija, V. (2011). Characterization of venomous snakes of Thailand. *Asian Biomedicine*, 5(3), 311-328.

Chen, C.M., Wu, K.G., Chen, C.J., & Wang, C.M. (2011). Bacterial infection in association with snakebite: a 10-year experience in a northern Taiwan medical center. *Journal of Microbiology, Immunology and Infection*, 44(6), 456-460.

Chen, K.C., Chiou, Y.L., Kao, P.H., Lin, S.R., & Chang, L.S. (2008). Taiwan cobra cardiotoxins induce apoptotic death of human neuroblastoma SK-N-SH cells mediated by reactive oxygen species generation and mitochondrial depolarization. *Toxicon*, 51(4), 624-634.

Chen, P.S., Toribara, T.Y., & War, H. (1956). Microdetermination of phosphorus. *Analytical Chemistry*, 28(1), 1756-1759.

Chew, K.S., Khor, H.W., Ahmad, R., & Rahman, N.H. (2011). A five-year retrospective review of snakebite patients admitted to a tertiary university hospital in Malaysia. *International Journal of Emergency Medicine*, 4(41), 1-6.

Chiappinelli, V.A., Weaver, W.R., McLane, K.E., Conti-Fine, B.M., Fiordalisi, J.J., & Grant, G.A. (1996). Binding of native kappa-neurotoxins and site-directed mutants to nicotinic acetylcholine receptors. *Toxicon*, 34(11-12), 1243-1256.

Chien, C.M., Chang, S.Y., Lin, K.L., Chiu, C.C., Chang, L.S., & Lin, S.R. (2010). Taiwan cobra cardiotoxin III inhibits Src kinase leading to apoptosis and cell cycle arrest of oral squamous cell carcinoma Ca9-22 cells. *Toxicon*, 56(4), 508-520.

Ching, A., Paes Leme, A.F. , Zelanis, A. , Rocha, M.M. , Furtado Mde, F., Silva, D.A., . . . Junqueira-de-Azevedo, I.L. (2012). Venomics profiling of *Thamnodynastes strigatus* unveils matrix metalloproteinases and other novel proteins recruited to the toxin arsenal of rear fanged snakes. *Journal of Proteome Research*, 11(2), 1152-1162.

Chippaux, J.P. (1998). Snake-bites: appraisal of the global situation. *Bulletin of the World Health Organization*, 76(5), 515-524.

Chippaux, J.P. (2008). Estimating the global burden of snakebite can help to improve management. *Plos Medicine*, 5(11), e221.

Chippaux, J.P., & Goyffon, M. (1991). Production and use of snake antivenin. In A. T. Tu (Ed.), *Reptile Venoms and Toxins*. New York: Marcel Dekker Inc.

Chu, E.R., Weinstein, S.A., White, J., & Warrell, D.A. (2010). Venom ophthalmia caused by venoms of spitting elapid and other snakes: Report of ten cases with review of epidemiology, clinical features, pathophysiology and management. *Toxicon*, 56(3), 259-272.

Ciscotto, P., Machado de Avila, R.A., Coelho, E.A., Oliveira, J., Diniz, C.G., Farias, L.M., . . . Chavez-Olortegui, C. (2009). Antigenic, microbicidal and antiparasitic properties of an L-amino acid oxidase isolated from *Bothrops jararaca* snake venom. *Toxicon*, 53(3), 330-341.

Cousin, X., & Bon, C. (1999). Acetylcholinesterase from snake venom as a model for its nerve and muscle counterpart. *Journal of Natural Toxins*, 8(2), 285-294.

Covell, D.G., Barbet, J., Holton, O.D., Black, C.D., Parker, R.J., & Weinstein, J.N. (1986). Pharmacokinetics of monoclonal immunoglobulin G1, F(ab')₂ and Fab' in mice. *Cancer Research*, 46(8), 3969-3978.

Cundall, D., & Greene, H.W. (2000). Feeding in snakes. In K. Schwenk (Ed.), *Feeding: Form, Function and Evolution in Tetrapod Vertebrates*. San Diego: Academic Press.

Dart, R.C., Seifert, S.A., Boyer, L.V., Clark, R.F., Hall, E., McKinney, P., . . . Porter, R.S. (2001). A randomized multicenter trial of crotalinae polyvalent immune Fab (ovine) antivenom for the treatment of crotaline snakebite in the United States. *Archives of Internal Medicine*, 161, 2030-2036.

Das, T., Bhattacharya, S., Halder, B., Biswas, A., Das Gupta, S., Gomes, A. , & Gomes, A. (2011). Cytotoxic and antioxidant property of a purified fraction (NN-32) of Indian *Naja naja* venom on Ehrlich ascites carcinoma in BALB/c mice. *Toxicon*, 57(7-8), 1065-1072.

Decker, A. (1977). *L-amino acid oxidase*, *Worthington Enzyme manual*. New Jersey: Worthington Biochemical Co.

Dhananjaya, B.L., & D'Souza, C.J. (2010a). The pharmacological role of nucleotidase in snake venoms. *Cell Biochemistry and Function*, 28(3), 171-177.

Dhananjaya, B.L., & D'Souza, C.J. (2010b). An overview on nucleases (DNase, RNase, and phosphodiesterase) in snake venoms. *Biochemistry (Moscow)*, 75(1), 1-6.

Dhananjaya, B.L., Nataraju, A., Rajesh, R., Raghavendra Gowda, C.D., Sharath, B.K., Vishwanath, B.S., & D'Souza, C.J. (2006). Anticoagulant effect of *Naja naja* venom 5'nucleotidase: Demonstration through the use of novel specific inhibitor, vanillic acid. *Toxicon*, 48(4), 411-421.

Dhillon, S., & Gill, K. (2006). Basic pharmacokinetics. In S. Dhillon & A. Kostrzewski (Eds.), *Clinical Pharmacokinetics* (pp. 1-44). UK: Pharmaceutical Press.

Doley, R., & Kini, R.M. (2009). Protein complexes in snake venom. *Cellular and Molecular Life Sciences*, 66(17), 2851-2871.

Doley, R., Zhou, X., & Kini, R.M. (2010). Snake venom phospholipase A₂ enzymes. In S. P. Mackessy (Ed.), *Handbook of Venoms and Toxins of Reptiles* (pp. 173-205). Boca Raton, Florida: CRC Press.

Dong Le, V., Eng, K.H., Quyen le, K., & Gopalakrishnakone, P. (2004). Optical immunoassay for snake venom detection. *Biosensors and Bioelectronics*, 19(10), 1285-1294.

Dorfman, A., & Ott, M.L. (1948). A turbidimetric method for the assay of hyaluronidase. *The Journal of Biological Chemistry*, 172, 367-375.

Du, X.Y., & Clemetson, K.J. (2002). Snake venom L-amino acid oxidases. *Toxicon*, 40(6), 659-665.

Ducancel, F., Rowan, E.G., Cassar, E., Harvey, A.L., Ménez, A., & Boulain, J.C. (1991). Amino acid sequence of a muscarinic toxin deduced from the cDNA nucleotide sequence. *Toxicon*, 29(4-5), 516-520.

Durand, J.F. (2004). "The origin of snakes" (Vol. Abstract Volume 1). University of the Witwatersrand, Johannesburg, South Africa: Geoscience Africa 2004.

Eggertsen, G., Lind, P., & Sjöquist, J. (1981). Molecular characterization of the complement activating protein in the venom of the Indian cobra (*Naja N. siamensis*). *Molecular Immunology*, 18(2), 125-133.

- Ellman, G.L., Courtney, K.D., Andres, V. Jr, & Featherstone, R.M. (1961). A new and rapid colorimetric determination of acetylcholinesterase activity. *Biochemical Pharmacology*, 7(1), 88-95.
- Endo, T., & Tamiya, N. (1991). Structure-function relationships of postsynaptic neurotoxins from snake venoms. In A. L. Harvey (Ed.), *Snake Toxins* (pp. 165-222). New York: Pergamon Press.
- Escoubas, P., Quinton, L., & Nicholson, G.M. (2008). Venomics: unravelling the complexity of animal venoms with mass spectrometry. *Journal of Mass Spectrometry*, 43(3), 279-295.
- Fernández, J., Alape-Girón, A., Angulo, Y., Sanz, L., Gutiérrez, J.M., Calvete, J.J., & Lomonte, B. (2011). Venomic and antivenomic analyses of the Central American coral snake, *Micrurus nigrocinctus* (Elapidae). *Journal of Proteome Research*, 10(4), 1816-1827.
- Finney, D.J. (1952). *Probit analysis* (2nd ed.). England: Cambridge University Press.
- Fletcher, J.E., Yang, C.C., & Rosenberg, P. (1982). Basic phospholipase A₂ from *Naja nigricollis* snake venom: phospholipid hydrolysis and effects of electrical and contractile activity of the rat heart. *Toxicology and Applied Pharmacology* 66(1), 39-54.
- Fox, S., Rathuwithana, A.C. Kasturiratne, A., Laloo, D.G., & de Silva, H.J. (2006). Underestimation of snakebite mortality by hospital statistics in the Monaragala District of Sri Lanka. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, 100(7), 693-695.
- Fox, J.W., & Serrano, S.M. (2008). Exploring snake venom proteomes: Multifaceted analyses for complex toxin mixtures. *Proteomics*, 8(4), 909-920.
- Frobert, Y., Crémillon, C., Cousin, X., Rémy, M.H., Chatel, J.M., Bon, S., . . . Grassi, J. (1997). Acetylcholinesterases from Elapidae snake venoms: Biochemical, immunological and enzymatic characterization. *Biochimica et Biophysica Acta*, 1339(2), 253-267.
- Fry, B.G., Casewell, N.R., Wüster, W., Vidal, N., Young, B., & Jackson, T.N. (2012a). The structural and functional diversification of the Toxicofera reptile venom system. *Toxicon*, 60(4), 434-448.

Fry, B.G., Roelants, K., Champagne, D.E., Scheib, H., Tyndall, J.D., King, G.F., . . . de la Vega, R.C. (2009a). The toxicogenomic multiverse: Convergent recruitment of proteins into animal venoms. *Annual Review of Genomics and Human Genetics*, 10, 483-511.

Fry, B.G., Scheib, H., de L M Junqueira de Azevedo I, Silva, D.A., & Casewell, N.R. (2012b). Novel transcripts in the maxillary venom glands of advanced snakes. *Toxicon*, 59(7-8), 696-708.

Fry, B.G., Scheib, H., van der Weerd, L., Young, B., McNaughtan, J., Ramjan, S.F., . . . Norman, J.A. (2008). Evolution of an arsenal: Structural and functional diversification of the venom system in the advanced snakes (Caenophidia). *Molecular and Cellular Proteomics*, 7(2), 215-246.

Fry, B.G., Vidal, N., Norman, J.A., Vonk, F.J., Scheib, H., Ryan Ramjan, S.F., . . . Kochva, E. (2006). Early evolution of the venom system in lizards and snakes. *Nature*, 439, 584-588.

Fry, B.G., Vidal, N., van der Weerd, L., Kochva, E., & Renjifo, C. (2009b). Evolution and diversification of the Toxicofera reptile venom system. *Journal of Proteomics*, 72(2), 127-136.

Fry, B.G., Wüster, W., Ryan Ramjan, S.F., Jackson, T., Martelli, P., & Kini, R.M. (2003a). Analysis of Colubroidea snake venoms by liquid chromatography with mass spectrometry: Evolutionary and toxinological implications. *Rapid Communications in Mass Spectrometry*, 17(18), 2047-2062.

Fry, B.G., Winkel, K.D., Wickramaratna, J.C., Hodgson, W.C., & Wüster, W. (2003b). Effectiveness of snake antivenom: Species and regional venom variation and its clinical impact. *Journal of Toxicology*, 22(1), 23-34.

Fu, Q., & Gowda, D.C. (2001). Carbohydrate-directed conjugation of cobra venom factor to antibody by selective derivatization of the terminal galactose residues. *Bioconjugate Chemistry*, 12(2), 271-279.

Furtado Mde, F., Cardoso, S.T., Soares, O.E., Pereira, A.P., Fernandes, D.S., Tambourgi, D.V., & Sant'Anna, O.A. (2010). Antigenic cross-reactivity and immunogenicity of *Bothrops* venoms from snakes of the Amazon region. *Toxicon*, 55(4), 881-887.

Garg, P.P., Garg, P.M., & Ravi, T.K. (2012). Severe neuroparalytic Snake Bite. *Pediatric Oncall*, 9(9). doi: 10.7199/ped.oncall.2012.55

Georgieva, D., Arni, R.K., & Betzel, C. (2008). Proteome analysis of snake venom toxins: pharmacological insights. *Expert Review of Proteomics*, 5(6), 787-797.

Geoghegan, P., Angulo, Y., Cangelosi, A., Díaz, M., & Lomonte, B. (1999). Characterization of a basic phospholipase A₂-homologeu myotoxin isolated from the venom of the snake *Bothrops neuwiedii* (yarará chica) from Argentina. *Toxicon*, 37, 1735-1746.

Girish, K.S., Shashidharamurthy, R., Nagaraju, S., Gowda, T.V., & Kemparaju, K. (2004). Isolation and characterization of hyaluronidase a “spreading factor” from Indian cobra (*Naja naja*) venom. *Biochimie*, 86(3), 193-202.

Golay, P., Smith, H.M., Broadley, D.G., Dixon, J.R., McCarthy, C., Rage, J.C., . . . Toriba, M. (1993). *Endoglyphs and other major venomous snakes of the world. A checklist*. Switzerland: Azemiops SA Herpetological Data Center.

Gold, B.S., Dart, R.C., & Barish, R.A. (2002). Bites of Venomous Snakes. *The New England Journal of Medicine*, 347(5), 347–356.

Gomes, A., Bhattacharjee, P., Mishra, R., Biswas, A.K., Dasgupta, S.C., & Giri, B. (2010). Anticancer potential of animal venoms and toxins. *Indian Journal of Experimental Biology*, 48(2), 93-103.

Gowda, D.C., Glushka, J., Van Halbeek, H., Thotakura, R.N., Bredehorst, R., & Vogel, C.W. (2001). N-linked oligosaccharides of cobra venom factor contain novel alpha (1-3)galactosylated LeX structures. *Glycobiology*, 11(2), 195-208.

Grandgeorge, M., Veron, J.L., Lutsch, C., Makula, M.F., Riffard, P., Pepin, S., & Scherrmann, J.M. (1996). Preparation of improved F(ab')₂ antivenoms. An example: New polyvalent anti-European vipers (equine). *Toxicon*, 34(2), 148.

Gras, S., Plantefève, G., Baud, F., & Chippaux, J.P. (2012a). Snakebite on the hand: Lessons from two clinical cases illustrating difficulties of surgical indication. *Journal of Venomous Animals and Toxins including Tropical Diseases*, 18(4), 467-477.

Gras, S., Plantefève, G., & Chippaux, J.P. (2012b). Incidence and management of snakebite in Northern Central African Republic. *Toxicon*, 60(2), 217-218.

Greene, H.W., Fodgen, M., & Fodgen, P. (2000). *Snakes: The evolution of mystery in nature*. London, UK: University of California Press.

- Guo, M.P., Wang, Q.C., & Liu, G.F. (1993). Pharmacokinetics of cytotoxin from Chinese cobra (*Naja naja atra*) venom. *Toxicon*, 31, 339-343.
- Gutiérrez, J.M., Lomonte, B., León, G., Alape-Girón, A., Flores-Díaz, M., Sanz, L., . . . Calvete, J.J. (2009). Snake venomics and antivenomics: Proteomic tools in the design and control of antivenoms for the treatment of snakebite envenoming. *Journal of Proteomics*, 72(2), 165-182.
- Gutiérrez, J.M., Ponce-Soto, L.A., Marangoni, S., & Lomonte, B. (2008a). Systemic and local myotoxicity induced by snake venom group II phospholipases A₂: Comparison between crot toxin, crot toxin B and a Lys49 PLA₂ homologue. *Toxicon*, 51(1), 80-92.
- Gutiérrez, J.M., Sanz, L., Escolano, J., Fernández, J., Lomonte, B., Angulo, Y., . . . Calvete, J.J. (2008b). Snake venomics of the Lesser Antillean Pit Vipers *Bothrops caribbaeus* and *Bothrops lanceolatus*: Correlation with toxicological activities and immunoreactivity of heterologous antivenom. *Journal of Proteome Research*, 7(10), 4396-4408.
- Gutiérrez, J.M., Theakston, R.D.G., & Warrell, D.A. (2006). Confronting the neglected problem of snake bite envenoming: The need for a global partnership. *Plos Medicine*, 3(6), e150.
- Hammoudi-Triki, D., Lefort, J., Rougeot, C., Robbe-Vincent, A., Bon, C., Laraba-Djebari, F., & V, Choumet. (2007). Toxicokinetic and toxicodynamic analyses of *Androctonus australis hector* venom in rats: Optimization of antivenom therapy. *Toxicology and Applied Pharmacology*, 218, 205-214.
- Harper, G.P., & Thoenen, H. (1980). Nerve growth factor: Biological significance, measurement, and distribution. *Journal of Neurochemistry*, 34(1), 5-16.
- Harrison, R.A., Hargreaves, A., Wagstaff, S.C., Faragher, B., & Laloo, D.G. (2009). Snake envenoming: A disease of poverty. *PLOS Neglected Tropical Diseases*, 3(12), e569.
- Harrison, R.A., Wüster, W., & Theakston, R.D. (2003). The conserved structure of snake venom toxins confers extensive immunological cross-reactivity to toxin-specific antibody. *Toxicon*, 41, 441-449.
- Harvey, A.L. (2013). Snake Peptides. In A. Kastin (Ed.), *Handbook of Biologically Active Peptides* (pp. 451-460). San Diego: Academic Press.

- Harvey, A.L., Marshall, R.J., & Karlsson, E. (1982). Effects of purified cardiotoxins from the Thailand cobra (*Naja naja siamensis*) on isolated skeletal and cardiac muscle preparations. *Toxicon*, 20(2), 379-396.
- Hawgood, B.J. (1999). Doctor Albert Calmette 1863-1933: Founder of antivenomous serotherapy and of antituberculous BCG vaccination. *Toxicon*, 37(9), 1241-1258.
- Heppel, L.A., & Hillmore, R.J. (1955). 5'-Nucleotidase. In S. P. Colowick & N. O. Kaplan (Eds.), *Methods in enzymology* (Vol. 1, pp. 166-173). New York: Academic Press.
- Hedge, R.P., Rajagopalan, N., Doley, R., & Kini, R.M. (2010). Snake venom three-finger toxins. In S. P. Mackessy (Ed.), *Handbook of Venoms and Toxins of Reptiles*. Boca Raton, Florida: CRC Press.
- Ho, M., Silamut, K., White, N.J., Karbwang, J., Looareesuwan, S., Phillips, R.E., & Warrell, D.A. (1990). Pharmacokinetics of three commercial antivenoms in patients envenomed by the Malayan pit viper, *Calloselasma rhodostoma*, in Thailand. *The American Journal of Tropical Medicine and Hygiene*, 42(3), 260-266.
- Hodges, S.J., Agbaji, A.S., Harvey, A.L., & Hider, R.C. (1987). Cobra cardiotoxins. Purification, effects on skeletal muscle and structure/activity relationships. *European Journal of Biochemistry*, 165(2), 373-383.
- Howard-Jones, N.A. (1985). A CIOMS ethical code for animal experimentation. *WHO Chronicle*, 39(1), 51-56.
- Hung, C.C., Wu, S.H., & Chiou, S.H. (1998). Two novel alpha-neurotoxins isolated from Taiwan cobra: Sequence characterization and phylogenetic comparison of homologous neurotoxins. *Journal of Protein Chemistry*, 17(2), 107-114.
- Hung, D.Z., Liau, M.Y., & Lin-Shiau, S.Y. (2003). The clinical significance of venom detection in patients of cobra snakebite. *Toxicon*, 41(4), 409-415.
- Inoue, S., Odaa, T., Koyamaa, J., Ikeda, K., & Hayashi, K. (1991). Amino acid sequence of nerve growth factors derived from cobra venoms. *FEBS Letters*, 279(1), 38-40.
- Isbister, G.K., O'Leary, M.A., Hagan, J., Nichols, K., Jacoby, T., Davern, K., . . . Schneider, J.J. (2010). Cross-neutralisation of Australian brown snake, taipan and death adder venoms by monovalent antibodies. *Vaccine*, 28(3), 798-802.

Isbister, G.K., White, J., Currie, B.J., O'Leary, M.A., Brown, S.G., & ASP Investigators. (2011). Clinical effects and treatment of envenoming by *Hoplocephalus* spp. snakes in Australia: Australian Snakebite Project (ASP-12). *Toxicon*, 58(8), 634-640.

Ismail, M., Abd-Elsalam, M.A., & Al-Ahaidib, M.S. (1998). Pharmacokinetics of ¹²⁵I-labelled *Walterinnesia aegyptia* venom and its specific antivenins: Flash absorption and distribution of the venom and its toxin versus slow absorption and distribution of IgG, F(ab')₂ and F(ab) of the antivenin. *Toxicon*, 36(83-114).

Ismail, M., Aly, M.H.M., Abd-Elsalam, M.A., & Morad, A.M. (1996). A three-compartment open pharmacokinetic model can explain variable toxicities of cobra venoms and their alpha toxins. *Toxicon*, 34, 93-114.

Ito, M., Hamako, J., Sakurai, Y., Matsumoto, M., Fujimura, Y., Suzuki, M., . . . Matsui, T. (2001). Complete amino acid sequence of kaouthiagin, a novel cobra venom metalloproteinase with two disintegrin-like sequences. *Biochemistry*, 40(14), 4503-4511.

Jackson, K. (2003). The evolution of venom-delivery systems in snakes. *Zoological Journal of the Linnean Society*, 137, 337-354.

Jacome, D., Melo, M.M., Santos, M.M., & Heneine, L.G. (2002). Kinetics of venom and antivenom serum and clinical parameters and treatment efficacy in *Bothrops alternatus* envenomed dogs. *Veterinary & Human Toxicology*, 44(6), 334-338.

Jamaiah, I., Rohela, M., Ng, T.K., Ch'ng, K.B., Teh, Y.S., Nurulhuda, A.L., & Suhaili, N. (2006). Retrospective prevalence of snakebites from Hospital Kuala Lumpur (HKL) (1999-2003). *Southeast Asian Journal of Tropical Medicine and Public Health*, 37(1), 200-205.

Jamaiah, I., Rohela, M., Roshalina, R., & Undan, R.C. (2004). Prevalence of snake bites in Kangar District Hospital, Perlis, west Malaysia: A retrospective study (January 1999-December 2000). *Southeast Asian Journal of Tropical Medicine and Public Health*, 35(4), 962-965.

Jeyaseelan, K., Armugam, A., Lachumanan, R., Tan, C.H., & Tan, N.H. (1998). Six isoforms of cardiotoxin in malayan spitting cobra (*Naja naja sputatrix*) venom: Cloning and characterization of cDNAs. *Biochimica et Biophysica Acta*, 1380(2), 209-222.

Jiang, M.S., Fletcher, J.E., & Smith, L.A. (1989). Effects of divalent cations on snake venom cardiotoxin-induced hemolysis and ³H-deoxyglucose-6-phosphate release from human red blood cells. *Toxicon*, 27(12), 1297-1305.

Jiang, Y., Li, Y., Lee, W., Xu, X., Zhang, Y., Zhao, R., . . . Wang, W. (2011). Venom gland transcriptomes of two elapid snakes (*Bungarus multicinctus* and *Naja atra*) and evolution of toxin genes. *BMC Genomics*, 12(1). doi: 10.1186/1471-2164-12-1

Jin, Y., Lu, Q., Zhou, X., Zhu, S., Li, R., Wang, W., & Xiong, Y. (2003). Purification and cloning of cysteine-rich proteins from *Trimeresurus jerdonii* and *Naja atra* venoms. *Toxicon*, 42(5), 539-547.

Johnson, C., Rimmer, J., Mount, G., Gurney, I., & Nicol, E.D. (2013). Challenges of managing snakebite envenomation in a deployed setting. *Journal of the Royal Army Medical Corps*. doi: 10.1136/jramc-2013-000047

Kang, T.S., Georgieva, D., Genov, N., Murakami, M.T., Sinha, M., Kumar, R.P., . . . Kini, R.M. (2011). Enzymatic toxins from snake venom: Structural characterization and mechanism of catalysis. *FEBS Journal*, 278(23), 4544-4576.

Kapoor, V.K. (2010). Natural toxins and their therapeutic potential. *Indian Journal of Experimental Biology*, 48(3), 228-237.

Kardong, K.V. (1982). The evolution of the venom apparatus in snakes from Colubrids to Viperids & Elapids. *Memórias do Instituto Butantan*, 46, 105-118.

Karlsson, E., Jolkkonen, M., Mulugeta, E., Onali, P., & Adem, A. (2000). Snake toxins with high selectivity for subtypes of muscarinic acetylcholine receptors. *Biochimie*, 82(9-10), 793-806.

Karlsson, E., Risinger, C., Jolkkonen, M., Wernstedt, C., & Adem, A. (1991). Amino acid sequence of a snake venom toxin that binds to the muscarinic acetylcholine receptor. *Toxicon*, 29(4-5), 521-526.

Kasturiratne, A., Wickremasinghe, A.R., de Silva, N., Gunawardena, N.K., Pathmeswaran, A., Premaratna, R., . . . de Silva, H.J. (2008). The global burden of snakebite: A literature analysis and modeling based on regional estimates of envenoming and deaths. *Plos Medicine*, 5(11), e218.

Kemparaju, K., & Girish, K.S. (2006). Snake venom hyaluronidase: A therapeutic target. *Cell Biochemistry and Function*, 24(1), 7-12.

Kemparaju, K., Girish, K.S., & Nagaraju, S. (2009). Hyaluronidases, a neglected class of glycosydases from snake venom: Beyond a spreading factor. In S. P. Mackessy (Ed.), *Hand Book of Venoms and Toxins of Reptiles* (pp. 237-258). Florida, USA: CRC Press.

Khin Ohn Lwin, Aye Aye Myint, Tun Pe, Theingie Nwe, & Naing, Min. (1984). Russell's viper venom levels in serum of snake bite victims in Burma. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, 78(2), 165-168.

Kini, R.M. (2002). Molecular moulds with multiple missions: Functional sites in three-finger toxins. *Clinical and Experimental Pharmacology and Physiology*, 29(9), 815-822.

Kini, R.M. (2003). Excitement ahead: Structure, function and mechanism of snake venom phospholipase A₂ enzymes. *Toxicon*, 42(8), 827-840.

Kini, R.M. (Ed.). (1997). *Venom phospholipase A₂ enzymes: Structure, function and mechanism*. New Jersey: John Wiley & Sons

Kini, R.M., & Doley, R. (2010). Structure, function and evolution of three-finger toxins: Mini proteins with multiple targets. *Toxicon*, 56(6), 855-867.

Kochva, E. (1987). The origin of snakes and evolution of the venom apparatus. *Toxicon*, 25(1), 65-106.

Koh, D.C., Armugam, A., & Jeyaseelan, K. (2006). Snake venom components and their applications in biomedicine. *Cellular and Molecular Life Sciences*, 63(24), 3030-3041.

Kohlhoff, M., Borges, M.H., Yarleque, A., Cabezas, C., Richardson, M., & Sanchez, E.F. (2012). Exploring the proteomes of the venoms of Peruvian pit vipers *Bothrops atrox*, *B.barnetti*, and *B.pictus*. *Journal of Proteomics*, 75(7), 2181-2195.

Kohli, H.S., & Sakhuja, V. (2003). Snake bites and acute renal failure. *Saudi Journal of Kidney Diseases and Transplantation*, 14, 165-176.

Kornisiuk, E., Jerusalinsky, D., Cerveñansky, C., & Harvey, A.L. (1995). Binding of muscarinic toxins MT₁ and MT₂ from the venom of the green mamba *Dendroaspis angusticeps* to cloned human muscarinic cholinoreceptors. *Toxicon*, 33(1), 11-18.

- Kostiza, T., & Meier, J. (1996). Nerve growth factors from snake venoms: Chemical properties, mode of action and biological significance. *Toxicon*, 34(7), 787-806.
- Krifi, M.N., Savin, S., Debray, M., Bon, C., El Ayeb, M., & Choumet, V. (2005). Pharmacokinetic studies of scorpion venom before and after antivenom immunotherapy. *Toxicon*, 45(2), 187-198.
- Kulkeaw, K., Chaicumpa, W., Sakolvaree, Y., Tongtawe, P., & Tapchaisri, P. (2007). Poteome and immunome of the venom of the Thai cobra, *Naja kaouthia*. *Toxicon*, 49(7), 1026-1041.
- Kumar, T.K., Jayaraman, G., Lee, C.S., Arunkumar, A.I., Sivaraman, T., Samuel, D., & Yu, C. (1997). Snake venom cardiotoxins-structure, dynamics, function and folding. *Journal of Biomolecular Structure and Dynamics*, 15(3), 431-463.
- Kunitz, M. (1947). Crystalline soybean trypsin inhibitor II. General Properties. *The Journal of General Physiology*, 30(1), 291-310.
- Lachumanan, R., Armugam, A., Durairaj, P., Gopalakrishnakone, P., Tan, C.H., & Jeyaseelan, K. (1999). In situ hybridization and immunohistochemical analysis of the expression of cardiotoxin and neurotoxin genes in *Naja naja sputatrix*. *Journal of Histochemistry and Cytochemistry*, 47(4), 551-560.
- Lachumanan, R., Armugam, A., Tan, C.H., & Jeyaseelan, K. (1998). Structure and organization of the cardiotoxin genes in *Naja naja sputatrix*. *FEBS Letters*, 433(1-2), 119-124.
- Laemmli, U.K. (1970). Cleavage of structural proteins during the assembly of the head of bacteriophage T4. *Nature*, 227, 680-685.
- Lalloo, D.G., & Theakston, R.D.G. (2003). Snake antivenoms: Antivenoms. *Clinical Toxicology*, 41(3), 277-290.
- Lee, M.S., & Scanlon, J.D. (2002). Snake phylogeny based on osteology, soft anatomy and ecology. *Biological reviews of the Cambridge Philosophical Society*, 77(3), 333-401.
- Levin, E.R., Gardner, D.G., & Samson, W.K. (1998). Natriuretic peptides. *The New England Journal of Medicine*, 339(5), 321-328.

- Li, S., Wang, J., Zhang, X., Ren, Y., Wang, N., Zhao, K., . . . S., Liu. (2004). Proteomic characterization of two snake venoms: *Naja naja atra* and *Agkistrodon halys*. *Biochemical Journal*, 384(Pt 1), 119-127.
- Lipps, B.V., & Khan, A.A. (2000). Antigenic cross reactivity among the venoms and toxins from unrelated diverse sources. *Toxicon*, 38(7), 973-980.
- Lo, T.B., Chen, Y.H., & Lee, C.Y. (1966). Chemical studies of Formosan cobra (*Naja naja atra*) venom. Part 1. Chromatographic separation of crude venom on CM-Sephadex and preliminary characterization of its components. *Journal of Chinese Chemical Society*, 13(1), 165-177.
- Mackessy, S.P. (1998). Phosphodiesterases, ribonucleases and deoxyribonucleases. In G. S. Bailey (Ed.), *Enzymes from Snake Venom* (pp. 361-404). Alaken: Fort Collins.
- Mackessy, S.P. (2002). Biochemistry and pharmacology of colubrid snake venoms. *Journal of Toxicology-Toxin Reviews*, 21(1&2), 43-83.
- Magro, A.J., da Silva, R.J., Ramos, P.R.R., Cherubini, A.L., & Hatayde, M.R. (2001). Intraspecific variation in the venom electrophoretic profile of recently captured *Crotalus durissus terrificus* (Laurenti, 1768) snakes. *Journal of Venomous Animals and Toxins including Tropical Diseases*, 7(2), 276-301.
- Makran, B., Fahmi, L., Pla, D., Sanz, L., Oukkache, N., Lkhider, M., . . . Calvete, J.J. (2012). Snake venomics of *Macrovipera mauritanica* from Morocco, and assessment of the para-specific immunoreactivity of an experimental monospecific and a commercial antivenoms. *Journal of Proteomics*, 75(8), 2431-2441.
- Matsui, T., Hamako, J., & Titani, K. (2010). Structure and function of snake venom proteins affecting platelet plug formation. *Toxins (Basel)*, 2(1), 10-23.
- Matsui, T., Fujimura, Y., & Titani, K. (2000). Snake venom proteases affecting hemostasis and thrombosis. *Biochimica et Biophysica Acta*, 1477(1-2), 146-156.
- Matsunaga, Y., Yamazaki, Y., Hyodo, F., Sugiyama, Y., Nozaki, M., & Morita, T. (2009). Structural divergence of cysteine-rich secretory proteins in snake venoms. *Journal of Biochemistry*, 145(3), 365-275.
- Maung-Maung-Thwin, Khin-Mee-Mee, Mi-Mi-Kyin, & Thein-Than. (1988). Kinetics of envenomation with Russell's viper (*Vipera russelli*) venom and of antivenom use in mice. *Toxicon*, 26(4), 373-378.

McCarthy, C.J. (1985). Monophyly of the elapid snakes (Serpentes: Reptilia). An assessment of the evidence. *Zoological Journal of the Linnean Society*, 83, 79-93.

McLane, K.E., Weaver, W.R., Lei, S., Chiappinelli, V.A., & Conti-Tronconi, B.M. (1993). Homologous kappa-neurotoxins exhibit residue-specific interactions with the alpha 3 subunit of the nicotinic acetylcholine receptor: A comparison of the structural requirements for kappa-bungarotoxin and kappa-flavitoxin binding. *Biochemistry*, 32(27), 6988-6994.

Ménez, A. (1998). Functional architectures of animal toxins: A clue to drug design? *Toxicon*, 36(11), 1557-1572.

Ménez, A., Stöcklin, R., & Mebs, D. (2006). 'Venomics' or the venomous systems genome project. *Toxicon*, 47(3), 255-259.

Mello, S.M., Linardi, A., Rennó, A.L., Tarsitano, C.A., Pereira, E.M., & Hyslop, S. (2010). Renal kinetics of *Bothrops alternatus* (Urutu) snake venoms in rats. *Toxicon*, 55(2-3), 470-480.

Mohapatra, B., Warrell, D.A., Suraweera, W., Bhatia, P., Dhingra, N., Jotkar, R.M., . . . Collaborators, Million Death Study. (2011). Snakebite mortality in India: A nationally representative mortality survey. *PLOS Neglected Tropical Diseases*, 5(4), e1018.

Morais, V., Ifran, S., Berasain, P., & Massaldi, H. (2010). Antivenoms: Potency or median effective dose, which to use? *Journal of Venomous Animals and Toxins including Tropical Diseases*, 16(2), 191-193.

Mordvintsev, D.Y., Polyak, Y.L., Kuzmine, D.A., Levtsova, O.V., Tourleigh, Y.V., & Kasheverov, I.E. (2006). A model for short alpha-neurotoxin bound to nicotinic acetylcholine receptor from *Torpedo californica*. *Journal of Molecular Neuroscience*, 30(1-2), 71-72.

Mordvintsev, D.Y., Rodionov, D.I., Makarova, M.V., Kamensky, A.A., Levitskaya, N.G., Ogay, A.Y., . . . Utkin, Y.N. (2007). Behavioural effects in mice and intoxication symptomatology of weak neurotoxin from cobra *Naja kaouthia*. *Basic and Clinical Pharmacology and Toxicology*, 100(4), 273-278.

Morita, T. (2005). Structures and functions of snake venom CLPs (C-type lectin-like proteins) with anticoagulant-, procoagulant-, and platelet-modulating activities. *Toxicon*, 45(8), 1099-1144.

Müller, C.E. , & Jacobson, K.A. (2011). Recent developments in adenosine receptor ligands and their potential as novel drugs. *Biochimica et Biophysica Acta*, 1808(5), 1290-1308.

Muir, W.W., Hubbell, J.A.E., Bednarski, R.M., & Lerche, P. (2012). *Handbook of Veterinary Anesthesia* (5th ed.). St. Louis, Missouri: Elsevier.

Mukherjee, A.K. (2008). Phospholipase A₂-interacting weak neurotoxins from venom of monocled cobra *Naja kaouthia* display cell-specific cytotoxicity. *Toxicon*, 51(8), 1538-1543.

Muthusamy, E. (1988). Snake bite: Experience in Bukit Mertajam District Hospital, Pulau Pinang. *Singapore Medical Journal*, 29(4), 383-386.

Nakamura, M., Kinjoh, K., Miyagi, C., Oka, U., Sunagawa, M., Yamashita, S., & Kosugi, T. (1995). Pharmacokinetics of Habutobin in rabbits. *Toxicon*, 33(9), 1201-1206.

Nawarak, J., Sinchaikul, S., Wu, C.Y., Liau, M.Y., Phutrakul, S., & Chen, S.T. (2003). Proteomics of snake venoms from Elapidae and Viperidae families by multidimensional chromatographic methods. *Electrophoresis*, 24(16), 2838-2854.

Nirthan, S., Gopalakrishnakone, P., Gwee, M.C., Khoo, H.E., & Kini, R.M. (2003). Non-conventional toxins from Elapid venoms. *Toxicon*, 41(4), 397-407.

O'Keefe, M.C., Caporale, L.H., & Vogel, C.W. (1988). A novel cleavage product of human complement component C3 with structural and functional properties of cobra venom factor. *The Journal of Biological Chemistry*, 263(25), 12690-12697.

O'Leary, M.A., Isbister, G.K., Schneider, J.J., Brown, S.G., & Currie, B.J. (2006). Enzyme immunoassays in brown snake (*Pseudonaja* spp.) envenoming: detecting venom, antivenom and venom-antivenom complexes. *Toxicon*, 48(1), 4-11.

O'Shea, M. (2011). *Venomous snakes of the world*. London: New Holland Publisher.

Oda, T., Ohta, M., Inoue, S., Ikeda, K., Furukawa, S., & Hayashi, K. (1989). Amino acid sequence of nerve growth factor purified from the venom of the formosan cobra *Naja naja atra*. *Biochemistry International Journal*, 19(4), 909-917.

Ogay, A.Y., Rzhevsky, D.I., Murashev, A.N., Tsetlin, V.I., & Utkin, Y.N. (2005). Weak neurotoxin from *Naja kaouthia* cobra venom affects haemodynamic regulation by acting on acetylcholine receptors. *Toxicon*, 45(1), 93-99.

Ogunbanjo, G.A. (2009). Management of snakebites at a rural South African hospital. *South African Family Practice*, 51(3), 224-227.

Ong, J.R., Ma, H.P., & Wang, T.L. (2004). Snake bites. *Annals of Disaster Medicine*, 2, 80-88.

Osipov, A.V., Levashov, M.Y., Tsetlin, V.I., & Utkin, Y.N. (2005a). Cobra venom contains a pool of cysteine-rich secretory proteins. *Biochemical and Biophysical Research Communications*, 328(1), 177-182.

Osipov, A.V., Mordvintsev, D.Y., Starkov, V.G., Galebskaya, L.V., Ryumina, E.V., Bel'tyukov, P.P., . . . Utkin, Y.N. (2005b). *Naja melanoleuca* cobra venom contains two forms of complement-depleting factor (CVF). *Toxicon*, 46(4), 394-403.

Osipov, A.V., Weise, C., Franke, P., Kukhtina, V.V., Frings, S., Hucho, F., . . . Utkin, IuN. (2001). Cobra venom contains a protein belongs to the CRISP family. *Bioorganisk Khimiya*, 27(3), 224-226.

Ouyang, C., & Huang, T.F. (1983). Inhibition of platelet aggregation by 5'-nucleotidase purified from *Trimeresurus gramineus* snake venom. *Toxicon*, 21(4), 491-501.

Ouyang, C., & Huang, T.F. (1986). Platelet aggregation inhibitors from *Agkistrodon acutus* snake venom. *Toxicon*, 24(11-12), 1099-1106.

Ownby, C.L., Fletcher, J.E., & Colberg, T.R. (1993). Cardiotoxin 1 from cobra (*Naja naja atra*) venom causes necrosis of skeletal muscle in vivo. *Toxicon*, 31(6), 697-709.

Pakmanee, N., Khow, O., Kumsap, W., Omori-Satoh, T., Chanhome, L., Sriprapat, S., & Sitprija, V. (1998). Envenomation of mice by Thai cobra (*Naja kaouthia*) venom: Tolerable venom concentration and exposure time. *Toxicon*, 36(5), 809-812.

Pal, S.K., Gomes, A., Dasgupta, S.C., & Gomes, A. (2002). Snake venom as therapeutic agents: From toxin to drug development. *Indian Journal of Experimental Biology*, 40(12), 1353-1358.

Paniagua, D., Jiménez, L., Romero, C., Vergara, I., Calderón, A., Benard, M., . . . A., Alagón. (2012). Lymphatic route of transport and pharmacokinetics of *Micrurus fulvius* (coral snake) venom in sheep. *Lymphology*, 45(4), 144-153.

Parvathy, VR., Chary, K.V.R., Kini, R.M., & Govil, G. (2006). Solution structure of candoxin, a novel three-finger toxin from the venom of *Bungarus candidus*. *Archive for Organic Chemistry*, 2006(15), 1-16.

Patil, T.B., Bansod, Y.V., & Pail, M.B. (2012). Snake bite induced acute renal failure: A study of clinical profile and predictors of poor outcome. *World Journal of Nephrology and Urology*, 1(2-3), 59-65.

Paul, V.K. (1993). Animal and insect bites. In M. Singh (Ed.), *Medical Emergencies in Children* (2nd ed., pp. 624-683). New Delhi: Sagar Publications.

Pawelek, P.D., Cheah, J., Coulombe, R., Macheroux, P., Ghisla, S., & Vrielink, A. (2000). The structure of L-amino acid oxidase reveals the substrate trajectory into an enantiomerically conserved active site. *EMBO Journal*, 19(16), 4204-4215.

Peichoto, M.E., Tavares, F.L., Santoro, M.L., & Mackessy, S.P. (2012). Venom proteomes of South and North American opisthoglyphous (Colubridae and Dipsadidae) snake species: A preliminary approach to understanding their biological roles. *Comparative Biochemistry and Physiology - Part D: Genomics and Proteomics*, 7(4), 361-369.

Pépin-Covatta, S., Lutsch, C., Grandgeorge, M., Lang, J., & Scherrmann, J.M. (1996). Immunoreactivity and pharmacokinetics of horse anti-scorpion venom F(ab')₂-scorpion venom interactions. *Toxicology and Applied Pharmacology*, 141(1), 272-277.

Pepin, S., Lutsch, C., Grandgeorge, M., & Scherrmann, J.M. (1995). Snake F(ab')₂ antivenom from hyperimmunized horse: Pharmacokinetics following intravenous and intramuscular administrations in rabbits. *Pharmaceutical Research*, 12(10), 1470-1473.

Petras, D., Sanz, L., Segura, A., Herrera, M., Villalta, M., Solano, D., . . . Calvete, J.J. (2011). Snake venomics of African Spitting cobras: Toxin composition and assessment of Congeneric cross-reactivity of the Pan African EchiTabPlus-ICP antivenom by antivenomics and neutralization approaches. *Journal of Proteome Research*, 10(3), 1266-1280.

Poh, S.L., Mourier, G., Thai, R., Armugam, A., Molgo, J., Servent, D., . . . Me'nez, A. (2002). A synthetic weak neurotoxin binds with low affinity to *Torpedo* and

chicken $\alpha 7$ nicotinic acetylcholine receptors. *European Journal of Biochemistry*, 269(17), 4247-4256.

Pollack, S.E., Uchida, T., & Auld, D.S. (1983). Snake venom phosphodiesteras: A zinc metalloenzyme. *Journal of Protein Chemistry*, 2(1), 1-12.

Praznikar, Z.J., Petan, T., & Pungercar, J. (2009). A neurotoxic secretory phospholipase A₂ induces apoptosis in motoneuron-like cells. *Annals of the New York Academy of Sciences* 1152, 215-224.

Pung, Y.F., Wong, P.T.H., Kumar, P.P., Hodgson, W.C., & Kini, R.M. (2005). Ohanin, a novel protein from king cobra venom, induces hypolocomotion and hyperalgesia in Mice. *Journal of Biological Chemistry*, 280, 13137-13147.

Pyron, R.A., Burbrink, F.T., Colli, G.R., de Oca, A.N., Vitt, L.J., Kuczynski, C.A., & Wiens, J.J. (2011). The phylogeny of advanced snakes (Colubroidea), with discovery of a new subfamily and comparison of support methods for likelihood trees. *Molecular Phylogenetics and Evolution*, 58(2), 329-342.

Queiroz, G. P., Pessoa, L. A., Portaro, F. C., Furtado Mde, F., & Tambourgi, D. V. (2008). Interspecific variation in venom composition and toxicity of Brazilian snakes from *Bothrops* genus. *Toxicon*, 52(8), 842-851.

Quesada, L., Sevcik, C., Lomonte, B., Rojas, E., & Gutiérrez, J.M. (2006). Pharmacokinetics of whole IgG equine antivenom: Comparison between normal and envenomed rabbits. *Toxicon*, 48(3), 255-263.

Ramos-Cerrillo, B., de Roodt, A. R., Chippaux, J. P., Olguín, L., Casasola, A., Guzmán, G., . . . Stock, R. P. (2008). Characterization of a new polyvalent antivenom (Antivipmyn® Africa) against African vipers and elapids. *Toxicon*, 52(8), 881-888.

Ratain, M.J., & Plunkett, W.K. (2003). Principles of Pharmacokinetics. In D. W. Kufe, R. E. Pollock, R. R. Weichselbaum, R. C. Bast, T. S. Gansler, J. F. Holland & E. Frei (Eds.), *Holland-Frei Cancer Medicine* (6th ed.). Canada: BC Decker.

Raw, I., Guidolin, R., Higashi, G., & Kelen, E.M.A. (1991). Antivenom in Brazil. In A. T. Tu (Ed.), *Handbook of Natural Toxin. Reptile Venoms and Toxins* (pp. 557-578). New York: Marcel Dekker Inc.

- Rehana, S., & Kini, R.M. (2007). Molecular isoforms of cobra venom factor-like proteins in the venom of *Austrelaps superbus*. *Toxicon*, 50(1), 32-52.
- Reid, H.A. (1964). Cobra bites. *British Medical Journal*, 2(1), 540-545.
- Rieppel, O. (1988a). The classification of the Squamata. In M. J. Benton (Ed.), *The Phylogeny and Classification of the Tetrapods* (pp. 261-269). USA: Oxford University Press.
- Rieppel, O. (1988b). A review of the origin of snakes. *Evolutionary Biology*, 22, 37-130.
- Risch, M., Georgieva, D., von Bergen, M., Jehmlich, N., Genov, N., Arni, R.K., & Betzel, C. (2009). Snake venomics of the Siamese Russell's viper (*Daboia russelli siamensis*)-relation to pharmacological activities. *Journal of Proteomics*, 72(2), 256-269.
- Rivière, G., Choumet, V., Audebert, F., Sabouraud, A., Debray, M., Scherrmann, J.M., & Bon, C. (1997). Effect of antivenom on venom pharmacokinetics in experimentally envenomed rabbits: Toward an optimization of antivenom therapy. *Journal of Pharmacology and Experimental Therapeutics*, 281(1), 1-8.
- Rocha, M.L., Valenca, R.C., Maia, M.B., Guarnieri, M.C., Araujo, I.C., & Araujo, D.A. (2008). Pharmacokinetics of the venom of *Bothrops erythromelas* labeled with ¹³¹I in mice. *Toxicon*, 52(3), 526-529.
- Rodrigues, R.S., Boldrini-França, J., Fonseca, F.P., de la Torre, P., Henrique-Silva, F., Sanz, L., . . . Rodrigues, V.M. (2012). Combined snake venomics and venom gland transcriptomic analysis of *Bothropoides pauloensis*. *Journal of Proteomics*, 75(9), 2707-2720.
- Rodrigues, R.S., da Silva, J.F., Boldrini França, J., Fonseca, F.P., Otaviano, A.R., Henrique Silva, F., . . . Rodrigues, V.M. (2009). Structural and functional properties of Bp-LAAO, a new L-amino acid oxidase isolated from *Bothrops pauloensis* snake venom. *Biochimie*, 91(4), 490-501.
- Rodrigues, R.G., Marcussi, S., Carlos, G.B., Pietro, R.C., Selistre-de-Araújo, H.S., Giglio, J.R., . . . Soares, A.M. (2004). Platelet aggregation and antibacterial effects of an L-amino acid oxidase purified from *Bothrops alternatus* snake venom. *Biorganic and Medicinal Chemistry*, 12(11), 2881-2886

Rojas, G., Jiménez , J.M., & Gutiérrez, J.M. (1994). Caprylic acid fractionation of hyperimmune horse plasma: Description of a simple procedure for antivenom production. *Toxicon*, 32(3), 351-363.

Rojnuckarin, P. (2001). Snakebite induced coagulopathy and bleeding disorder. In R. M. Kini, K. J. Clemetson, F. S. Markland, M. A. McLane & T. Morita (Eds.), *Toxins and homeostasis* (pp. 699-710). New York: Springer.

Rokyta, D.R., Lemmon, A.R., Margres, M.J., & Aronow, K. (2012). The venom-gland transcriptome of the eastern diamondback rattlesnake (*Crotalus adamanteus*). *BMC Genomics*, 13(312), 1-23.

Rouault, M., Rash, L.D., Escoubas, P., Boillard, E., Bollinger, J., Lomonte, B., . . . Lambeau, G. (2006). Neurotoxicity and other pharmacological activities of the snake venom phospholipase A₂ OS2: The N-terminal region is more important than enzymatic activity. *Biochemistry*, 45(18), 5800-5816.

Russell, F.E. (1983). Venoms. In F. E. Russell (Ed.), *Snake Venom Poisoning* (pp. 139-234). New York: Scholium International.

Russell, F.E., Buess, F.W., & Woo, M.Y. (1963). Zootoxicological properties of venom phosphodiesterase. *Toxicon*, 1(1), 99-108.

Sabouraud, A.E., Urtizberea, M., Cano, N.J., Grandgeorge, M., Rouzioux, J.M., & Scherrmann, J.M. (1992). Colchicine-specific Fab fragments alter colchicine disposition in rabbits. *Journal of Pharmacology and Experimental Therapeutics*, 260, 1214-1219.

Salazar, A. M., Guerrero, B., Cantu, B., Cantu, E., Rodríguez-Acosta, A., Pérez, J. C., . . . Sánchez, E. E. (2009). Venom variation in hemostasis of the southern Pacific rattlesnake (*Crotalus oreganus helleri*): Isolation of hellerase. *Comparative Biochemistry and Physiology - Part C: Toxicology and Pharmacology*, 149(3), 307-316.

Sales, S.E., Uchida, T., & Auld, D.S. (1983). Snake venom phosphodiesterases: A zinc metalloenzyme. *Journal of Protein Chemistry*, 2(1), 1-12.

Samel, M., Tonismagi, K., Ronnholm, G., Vija, H., Siigur, J., Kalkkinen, N., & Siigur, E. (2008). L-amino acid oxidase from *Naja naja oxiana* venom. *Comparative Biochemistry and Physiology - Part B: Biochemistry and Molecular Biology*, 149, 572-580.

- Santoro, M.L., Vaquero, T.S., Leme, A.F., & Serrano, S.M. (2009). NPP-BJ, a nucleotide pyrophosphatase/phosphodiesterase from *Bothrops jararaca* snake venom, inhibits platelet aggregation. *Toxicon*, 54(4), 499-512.
- Sanz, L., Escolano, J., Ferretti, M., Biscoglio, M.J., Rivera, E , Crescenti, E.J., . . . Calvete, J.J. (2008). Snake venomics of the South and Central American Bushmasters. Comparison of the toxin composition of *Lachesis muta* gathered from proteomic versus transcriptomic analysis. *Journal of Proteomics*, 71(1), 46-60.
- Saravia, P., Rojas, E., Arce, V., Guevara, C., López, J.C , Chaves, E., . . . Gutiérrez, J.M. (2002). Geographic and ontogenetic variability in the venom of the neotropical rattlesnake *Crotalus durissus*: Pathophysiological and therapeutic implications. *Revista de Biología Tropical*, 50(1), 337-346.
- Satish, S., Tejaswini, J., Krishnakantha, T.P., & Gowda, T.V. (2004). Purification of a Class B1 platelet aggregation inhibitor phospholipase A₂ from Indian cobra (*Naja Naja*) venom. *Biochimie*, 86(3), 203-210.
- Ségalas, I., Roumestand, C., Zinn-Justin, S., Gilquin, B., Ménez, R., Ménez, A., & Toma, F. (1995). Solution structure of a green mamba toxin that activates muscarinic acetylcholine receptors, as studied by nuclear magnetic resonance and molecular modeling. *Biochemistry*, 34(4), 1248-1260.
- Seifert, S.A., Boyer, L.V, Dart, R.C., Porter, R.S., & Sjostrom, L. (1997). Relationship of venom effects to venom antigen and antivenom serum concentrations in a patient with *Crotalus atrox* envenomation treated with a Fab antivenom. *Annals of Emergency Medicine*, 30(1), 49-53.
- Serrano, S.M., Shannon, J.D., Wang, D., Camargo, A.C., & Fox, J.W. (2005). A multifaceted analysis of viperid snake venoms by two-dimensional gel electrophoresis: An approach to understanding venom proteomics. *Proteomics*, 5(2), 501-510.
- Servent, D., Winckler-Dietrich, V., Hu, H.Y., Kessler, P., Drevet, P., Bertrand, D., & Ménez, A. (1997). Only snake curaremimetic toxins with a fifth disulfide bond have high affinity for the neuronal $\alpha 7$ nicotinic receptor. *Journal of Biological Chemistry*, 272(39), 24279-24286.
- Servent, D., & Ménez, A. (2002). Snake neurotoxins that interact with nicotinic acetylcholine receptors. In E. J. Massaro (Ed.), *Handbook of Neurotoxicology* (Vol. 1, pp. 385-425). Totowa, New Jersey: Humana Press.

- Shao, J., Shen, H., & Havsteen, B. (1993). Purification, characterization and binding interactions of the Chinese-cobra (*Naja naja atra*) serum antitoxic protein CSAP. *Biochemical Journal*, 293(2), 559-566.
- Shargel, L., Yu, A.B.C., & Wu-Pong, S. (2005). *Applied Biopharmaceutics and Pharmacokinetics* (5th ed.). New York: McGraw-Hill.
- Shea, G., Shine, R., & Covacevich, J.C. (1993). Family Elapidae. In C. J. Glasby, G. J. B. Ross & P. L. Beasley (Eds.), *Fauna of Australia* (pp. 295-309). Canberra, Australia: AGPS.
- Siew, J.P.Y., Gong, N., Afifiyan, F., Ma, D., Poh, S.L., Armugam, A., & Jeyaseelan, K. (2004). Snake postsynaptic neurotoxins: Gene structure, phylogeny and applications in research and therapy. *Biochimie*, 86(2), 137-149.
- Simsiriwong, P., Eursakun, S., & Ratanabanangkoon, K. (2012). A study on the use of caprylic acid and ammonium sulfate in combination for the fractionation of equine antivenom (ab')₂. *Biologicals*, 40(5), 338-344.
- Slowinski, J.B., & Lawson, B. (2002). Snake phylogeny: Evidence from nuclear and mitochondrial genes. *Molecular Phylogenetics and Evolution*, 24, 194-202.
- Smith, D.C., Reddi, K.R., Laing, G., Theakston, R.G., & Landon, J. (1992). An affinity purified ovine antivenom for the treatment of *Vipera berus* envenoming. *Toxicon*, 30(8), 865-871.
- Souza, D.H., Eugenio, L.M., Fletcher, J.E., Jiang, M.S., Garratt, R.C., Oliva, G., & Selistre-de-Araujo, H.S. (1999). Isolation and structural characterization of a cytotoxic L-amino acid oxidase from *Agiistrodon contortrix laticinctus* snake venom: Preliminary crystallographic data. *Archives of Biochemistry and Biophysics*, 368(2), 285-290.
- Sriprapat, S., Aeksowan, S., Sapsutthipas, S., Chotwiwatthanakun, C., Suttijitpaisal, P., Pratanaphon, R., . . . Ratanabanangkoon, K. (2003). The impact of a low dose, low volume, multi-site immunization on the production of therapeutic antivenoms in Thailand. *Toxicon*, 41(1), 57-64.
- Srivastava, A., Taly, A.B., Gupta, A., Moin, A., & Murali, T. (2010). Guillain-Barré syndrome following snake bite: An unusual complication. *Annals of Indian Academy of Neurology*, 13(1), 67-68.

Stábeli, R.G., Magalhães, L.M., Selistre-de-Araujo, H.S., & Oliveira, E.B. (2005). Antibodies to a fragment of the *Bothrops moojeni*-amino acid oxidase cross-react with snake venom components unrelated to the parent protein. *Toxicon*, 46(3), 308-317.

Stábeli, R.G. , Marcussi, S. , Carlos, G.B. , Pietro, R.C. , Selistre-de-Araújo, H.S. , Giglio, J.R. , . . . Soares, A.M. (2004). Platelet aggregation and antibacterial effects of an L-amino acid oxidase purified from *Bothrops alternatus* snake venom. *Biorganic & Medicinal Chemistry*, 12(11), 2881-2886.

Suhara, T., Fukuo, K., Sugimoto, T., Morimoto, S., Nakahashi, T., Hata, S., . . . Ogihara, T. (1998). Hydrogen peroxide induces up-regulation of Fas in human endothelial cells. *The Journal of Immunology*, 160, 4042-4047.

Suhr, S.M., & Kim, D.S. (1996). Identification of the snake venom substance that induces apoptosis. *Biochemical and Biophysical Research Communications*, 224(1), 134-139.

Sun, Q.Y., & Bao, J. (2010). Purification, cloning and characterization of a metalloproteinase from *Naja atra* venom. *Toxicon*, 56(8), 1459-1469.

Sun, J.J., & Walker, M.J.A. (1986). Actions of cardiotoxins from the Southern Chinese cobra (*Naja naja atra*) on rat cardiac tissue. *Toxicon*, 24(3), 233-245.

Takahashi, H., & Hayashi, K. (1982). Purification and characterization of anticomplement factor (cobra venom factor) from the *Naja naja atra* venom. *Biochimica et Biophysica Acta*, 701(1), 102-110.

Tan, K.K., Choo, K.E., & Ariffin, W.A. (1990). Snake bite in Kelantanese children: A five year experience. *Toxicon*, 28(2), 225-230.

Tan, N.H. (1982a). Cardiotoxins from the venom of Malayan Cobra (*Naja naja sputatrix*). *Archives of Biochemistry and Biophysics*, 218(1), 51-58.

Tan, N.H. (1982b). Isolation and preliminary characterisation of two toxic phospholipases A₂ from the venom of the Malayan cobra (*Naja naja sputatrix*). *Biochimica et Biophysica Acta*, 719(3), 599-605.

Tan, N.H. (1983). Isolation and characterization of two toxins from the venom of the Malayan cobra (*Naja naja sputatrix*). *Toxicon*, 21(2), 201-207.

Tan, N.H. (1991). The biochemistry of venoms of some venomous snakes of Malaysia - a review. *Tropical Biomedicine*, 8, 91-103.

Tan, N.H., Lim, K.K., & Jaafar, M.I. (1993). An investigation into the antigenic cross-reactivity of *Ophiophagus hannah* (king cobra) venom neurotoxin, phospholipase A₂, hemorrhagin and L-amino acid oxidase using enzyme-linked immunosorbent assay. *Toxicon*, 31(7), 865-872.

Tan, N.H., & Ponnudurai, G. (1992). Biochemical characterization of snake venoms. In P. Gopalakrishnakone & C. K. Tan (Eds.), *Recent advances in toxinology research* (pp. 210-258). Singapore: National University of Singapore.

Tan, N.H., & Swaminathan, S. (1992). Purification and properties of the L-amino acid oxidase from monocellate cobra (*Naja naja kaouthia*) venom. *International Journal of Biochemistry*, 24(6), 967-973.

Tan, N.H., & Tan, C.S. (1988a). Acidimetric assay for phospholipase using egg yolk suspension as substrate. *Analytical Biochemistry*, 170(2), 282-288.

Tan, N.H., & Tan, C.S. (1988b). A comparative study of cobra (*Naja*) venom enzymes. *Comparative Biochemistry and Physiology - Part B: Biochemistry and Molecular Biology*, 90(4), 745-750.

Taub, A.M. (1967). *Comparative histological studies on Duvernoy's gland of colubrid snakes*. New York: American Museum of Natural History.

Teixeira, C.F., Landucci, E.C., Antunes, E., Chacur, M., & Cury, Y. (2003). Inflammatory effects of snake venom myotoxic phospholipase A₂. *Toxicon*, 42(8), 947-962.

Theakston, R.D., & Smith, D.C. (1997). Antivenoms. *BioDrugs*, 7(5), 366-375.

Thorpe, R.S., Wüster, W., & Malhotra, A. (Eds.). (1997). *Venomous snakes: Ecology, evolution and snakebite*. USA: Oxford University Press.

Torii, S., Naito, M., & Tsuruo, T. (1997). Apoxin I, a novel apoptosis-inducing factor with L-amino acid oxidase activity purified from Western diamondback rattlesnake venom. *The Journal of Biological Chemistry*, 272(14), 9539-9542.

Torii, S., Yamane, K., Mashima, T., Haga, N., Yamamoto, K., Fox, J.W., . . . Tsuruo, T. (2000). Molecular cloning and functional analysis of apoxin I, a snake venom-

derived apoptosis-inducing factor with L-amino acid oxidase activity. *Biochemistry*, 39(12), 3197-3205.

Torres, A.M., Kini, R.M., Selvanayagam, N., & Kuchel, P.W. (2001). NMR structure of bucandin, a neurotoxin from the venom of the Malayan krait (*Bungarus candidus*). *Biochemical Journal*, 360(Pt 3), 539-548.

Tseng, L.F., Chiu, T.H., & Lee, C.Y. (1968). Absorption and distribution of ¹³¹I-labeled cobra venom and its purified toxins. *Toxicology and Applied Pharmacology*, 12, 526-535.

Tsetlin, V. (1999). Snake venom alpha-neurotoxins and other 'three-finger' proteins. *European Journal of Biochemistry*, 264(2), 281-286.

Tu, A.T. (1977). *Venoms. Chemistry and molecular biology*. New York: John Wiley & Sons.

Tu, A.T. (1988). Snake venoms: General background and composition. In A. T. Tu (Ed.), *Venoms: Chemistry and Molecular Biology* (pp. 1-19). New York: John Wiley and Sons.

Ueda, M., Chang, C.C., & Ohno, M. (1988). Purification and characterization of L-amino acid oxidase from the venom of *Trimeresurus mucrosquamatus* (Taiwan habu snake). *Toxicon*, 26, 695-706.

Valentine, J.L., Arnold, L.W., & Owens, S.M. (1994). Anti-phencyclidine Fab fragments markedly alter phencyclidine pharmacokinetics in rats. *Journal of Pharmacology and Experimental Therapeutics*, 269, 1079-1085.

Van den Berg, C.W., Aerts, P.C., & Van Dijk, H. (1991). In vivo anti-complementary activities of the cobra venom factors from *Naja naja* and *Naja haje*. *Journal of Immunological Methods*, 136(2), 287-294.

Vejayan, J.I., Shin Yee, L., Ponnudurai, G., Ambu, S., & Ibrahim, I. (2010). Protein profile analysis of Malaysian snake venoms by two-dimensional gel electrophoresis. *Journal of Venomous Animals and Toxins including Tropical Diseases*, 16(4), 623-630.

Vidal, N. (2002). Colubroid systematics: Evidence for an early appearance of the venom apparatus followed by extensive evolutionary tinkering. *Journal of Toxicology-Toxin Reviews*, 21(1&2), 21-41.

- Vidal, N., Delmas, A.S., David, P., Cruaud, C., Couloux, A., & Hedges, S.B. (2007). The phylogeny and classification of caenophidian snakes inferred from seven nuclear protein-coding genes. *Comptes Rendus Biologies*, 330(2), 182-187.
- Vidal, N., & Hedges, S.B. (2004). Molecular evidence for a terrestrial origin of snakes. *Biology Letters*, 271, 226-229.
- Viravan, C., Veeravat, U., Warrell, M.J., Theakston, R.D, & Warrell, D.A. (1986). ELISA confirmation of acute and past envenoming by the monocellate Thai Cobra (*Naja kaouthia*). *The American Journal of Tropical Medicine and Hygiene*, 35(1), 173-181.
- Vitt, L.J., & Caldwell, J.P. (2009). Herpetology: An introductory Biology of Amphibians and Reptiles (3rd ed.). San Diego Academic Press.
- Vogel, C.W., & Fritzinger, D.C. (2010). Cobra venom factor: Structure, function, and humanization for therapeutic complement depletion. *Toxicon*, 56(7), 1198-1222.
- Vogel, C.W., & Müller-Eberhand, H.J. (1984). Cobra venom factor: Improved method for purification and biochemical characterization. *Journal of Immunological Methods*, 73(1), 203-220.
- Vonk, F.J., Admiraal, J.F., Jackson, K., Reshef, R., de Bakker, M.A.G., Vanderschoot, K. , . . . Richardson, M.K. (2008). Evolutionary origin and development of snake fangs. *Nature*, 454, 630-633.
- Wagstaff, S.C., Sanz, L., Juárez, P., Harrison, R.A., & Calvete, J.J. (2009). Combined snake venomics and venom gland transcriptomic analysis of the ocellated carpet viper, *Echis ocellatus*. *Journal of Proteomics*, 71(6), 609-623.
- Wang, F., Li, H., Liu, M.N., Song, H., Han, H.M., Wang, Q.L., . . . Jiang, T. (2006). Structural and functional analysis of natrin, a venom protein that targets various ion channels. *Biochemical and Biophysical Research Communications*, 351(2), 443-448.
- Wang, X., Buck, F., & Havsteen, B. (1998). Elucidation of a new biological function of an old protein: Unique structure of the cobra serum albumin controls its specific toxin binding activity. *The International Journal of Biochemistry & Cell Biology*, 30(2), 225-233.

Warrell, D.A. (1995). Clinical toxicology of snakebite in Asia. In J. Meier & J. White (Eds.), *Handbook of Clinical Toxicology of Animal Venoms and Poisons* (pp. 493-594). Boca Raton (Florida): CRC Press.

Warrell, D.A. (1999). WHO/SEARO Guidelines for the clinical management of snake bites in the Southeast Asian region. *Southeast Asian Journal of Tropical Medicine and Public Health*, 30(1), 1-85.

Warrell, D.A. (2010a). *Guidelines for the Management of Snake-bites*. India: World Health Organization. Regional Office for South-east Asia.

Warrell, D.A. (2010b). Snake bite. *Lancet*, 375, 77-88.

Warrell, D.A., Looareesuwan, S., Theakston, R.D., Phillips, R.E., Chanthavanich, P., Viravan, C., . . . al., et. (1986). Randomized comparative trial of three monospecific antivenoms for bites by the Malayan pit viper (*Calloselasma rhodostoma*) in Southern Thailand: clinical and laboratory correlations. *The American Journal of Tropical Medicine and Hygiene*, 35(6), 1235-1247.

Warrell, D.A., Greenwood, B.M., Davidson, N.M., Ormerod, L.D., & Prentice, C.R. (1976). Necrosis, haemorrhage and complement depletion following bites by the spitting cobra (*Naja nigricollis*). *Quarterly Journal of Medicine*, 45(177), 1-22.

Wei, J.F., Yang, H.W., Wei, X.L., Qiao, L.Y., Wang, W.Y., & He, S.H. (2009). Purification, characterization and biological activities of the L-amino acid oxidase from *Bungarus fasciatus* snake venom. *Toxicon*, 54(3), 262-271.

Weinstein, S.A., Warrell, D.A., White, J., & Keyler, D.E. (2011). *'Venomous' bites from Non-venomous snakes. A critical analysis of risk and management of 'Colubrid' snake bites* (1st ed.). Massachusetts: Elsevier.

World Health Organization. (2007a). Global plan to combat neglected tropical diseases 2008–2015. Geneva: World Health Organization.

World Health Organization. (2007b). Rabies and envenomings: A neglected Public Health Issue. Geneva.

World Health Organization. (2010). WHO guidelines for the production control and regulation of snake antivenom immunoglobulins. Geneva: WHO Press, World Health Organization.

Wisdom, G.B. (1996). Horseradish peroxidase labelling of IgG antibody. In J. M. Walker (Ed.), *The Protein Protocols Handbook* (pp. 273-274). Totowa, New Jersey: Humana Press.

Wüster, W. (1996). Taxonomic changes and toxinology: Systematic revisions of the Asiatic cobras (*Naja naja* species complex). *Toxicon*, 34(4), 399-406.

Wüster, W., & Thorpe, R.S. (1991). Asiatic cobras: Systematics and snakebite. *Experientia*, 47(2), 205-209.

Yamaguchi, Y., Shimohigashi, Y., Chijiwa, T., Nakai, M., Ogawa, T., Hattori, S., . . . (2001). Characterization, amino acid sequence and evolution of edema-inducing, basic phospholipase A₂ from *Trimeresurus flavoviridis* venom. *Toxicon*, 39(7), 1069-1076.

Yanes, O., Avilés, F.X., Wenzel, R., Nazabal, A., Zenobi, R., & Calvete, J.J. (2007). Proteomic profiling of a snake venom using high mass detection MALDI-TOF mass spectrometry. *Journal of American Society for Mass Spectrometry*, 18(4), 600-606.

Yasunaga, H., Horiguchi, H., Kuwabara, K., Hashimoto, H., & Matsuda, S. (2011). Venomous snake bites in Japan. *The American Journal of Tropical Medicine and Hygiene*, 84(1), 135-136.

Young, B.A., & Kardong, K.V. (1995). Dentitional surface features in snakes (Reptilia: Serpentes). *Amphibia-Reptilia*, 17(3), 261-276.

Zhang, H., Yang, Q., Sun, M., Teng, M., & L, Niu. (2004). Hydrogen peroxide produced by two amino acid oxidases mediates antibacterial actions. *The Journal of Microbiology*, 42(4), 336-339.

Zhang, H., Xu, S., Wang, Q., Song, S., Shu, Y., & Lin, Z. (2002). Structure of a cardiotoxic phospholipase A₂ from *Ophiophagus hannah* with the “pancreatic loop”. *Journal of Structural Biology*, 138(3), 207-215.

Zhao, H., Zheng, J., & Jiang, Z. (2001). Pharmacokinetics of thrombin-like enzyme from venom of *Agkistrodon halys ussuriensis* Emelianov determined in ELISA by rat. *Toxicon*, 39(12), 1821-1826.

Zhao, K.H., Zhou, Y.C., & Lin, Z.J. (2000). Structure of basic phospholipase A₂ from *Agkistrodon halys Pallas*: Implications for its association, hemolytic and anticoagulant activities *Toxicon* 38, 901-

Zusman, N., Cafmeyer, N., & Hudson, R.A. (1981). Purification and characterization of the cardiotoxins from the venom of the Thailand cobra, *Naja naja siamensis*. *Comparative Biochemistry and Physiology - Part B: Biochemistry and Molecular Biology*, 69(3), 345-351.