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Anexos

Anexo 1. Resultados do teste de *Kruskal-Wallis* (ANOVA) aplicado ao conjunto total dos dados entre os hábitos alimentares e os tecidos dos peixes estudados.

Variável [SeT]					
Efeito	Graus de liberdade	N	χ^2	H	*p*
Espécie e hábito alimentar	2	140	5,17	5,11	0,0778 ns
Tecidos	2	140	72,49	95,87	0,0000 *

ns- não significativo
(*) *p<0,01*

Anexo 1a. Resultados das somas dos quadrados dos grupos (*Kruskal-Wallis* – ANOVA) aplicadas ao conjunto total de dados para os diferentes hábitos alimentares dos peixes estudados.

Variável [SeT]		
Hábito alimentar	N	Soma dos quadrados dos grupos
Planctívoro	52	3351,0
Onívoro	28	1754,0
Carnívoro	60	4765,0

Anexo 1b. Resultados das somas dos quadrados dos grupos (*Kruskal-Wallis* – ANOVA) aplicadas ao conjunto total de dados para os diferentes tecidos dos peixes estudados.

Variável [SeT]		
Tecido e órgãos	N	Soma dos quadrados dos grupos
Tecido muscular	79	3362,0
Fígado	41	4840,0
Gônada	20	1668,0

Anexo 2. Resultados do teste de *Kruskal-Wallis* (ANOVA) aplicado entre o hábito alimentar e os tecidos dos peixes no conjunto dos diferentes tecidos.

Variável [SeT]					
Efeitos	Graus de liberdade	N	χ^2	H	*p*
Hábito alimentar e Espécie x Tecido muscular	2	79	27,38	31,90	0,0000 *
Hábito alimentar e Espécie x Fígado	2	41	21,36	17,46	0,0002 *
Hábito alimentar e Espécie x Gônada	1	20	3,33	2,63	0,1100 ns

ns- não significativo
(*) *p<0,01*

Anexo 2a. Resultados das somas dos quadrados dos grupos (*Kruskal-Wallis* – ANOVA) aplicadas ao conjunto das concentrações de selênio no fígado para os diferentes hábitos alimentares dos peixes estudados.

Variável [SeT]		
Hábito alimentar	N	Soma dos quadrados dos grupos
Planctívoro	13	345,0 *
Onívoro	14	142,0
Carnívoro	14	374,0 *

(*) – Grupos aparentemente semelhantes.

Anexo 2b. Resultados do teste de concordância de Friedman (ANOVA) para as concentrações de selênio no fígado dos peixes carnívoro e planctívoro.

Graus de liberdade	N	χ^2	*p*
1	13	0,69	0,4054 ns

ns- não significativo

Anexo 3. Resultados do teste de Mann-Whitney (teste U) para as comparações entre as concentrações de selênio no tecido muscular dos peixes.

Variável: [SeT]						
Efeito	Espécie (1)	Espécie (2)	Soma Quadrados (1)	Soma Quadrados (2)	U	*p*
Tecido Muscular	Corvina	Tainha	1385,0	695,0	199,0	0,00027*
Tecido Muscular	Corvina	Bagre	1043,0	133,0	28,0	0,000002*
Tecido Muscular	Bagre	Tainha	231,0	804,0	126,0	0,02560**

(*) *p<0,01*
(**) *p<0,05*

Anexo 4. Resultados do teste de Mann-Whitney (teste U) para as comparações entre as concentrações de selênio no tecido muscular e fígado dos peixes.

Variável: [SeT]					
Efeito	Espécie	Soma Quadrados (1)	Soma Quadrados (2)	U	*p*
Tecido Muscular (1) x Fígado (2)	Corvina	611,0	565,0	16,0	0,000000*
Tecido Muscular (1) x Fígado (2)	Bagre	105,0	301,0	0,0	0,000007*
Tecido Muscular (1) x Fígado (2)	Tainha	496,0	494,0	0,0	0,000000*

(*) *p<0,01*
(**) *p<0,05*

Anexo 5. Resultados do teste de Mann-Whitney (teste U) para as comparações entre as concentrações de selênio na gônada dos peixes.

Variável: [SeT]						
Efeito	Espécie (1)	Espécie (2)	Soma Quadrados (1)	Soma Quadrados (2)	U	*p*
Gônada	Corvina	Tainha	105,0	105,0	27,0	0,1052 ns

ns – não significativo

Anexo 6. Resultados do teste de Mann-Whitney (teste U) para as comparações entre as concentrações de selênio no tecido muscular e gônada dos peixes.

Variável: [SeT]					
Efeito	Espécie	Soma Quadrados (1)	Soma Quadrados (2)	U	*p*
Tecido Muscular (1) x Gônada (2)	Corvina	728,0	353,0	133,0	0,075724 ns
Tecido Muscular (1) x Gônada (2)	Tainha	496,0	284,0	0,0	0,000016*

ns- não significativo
(*) *p<0,01*

Anexo 7. Resultados do teste de Mann-Whitney (teste U) para as comparações entre as concentrações de selênio no tecido muscular e a maturidade sexual dos peixes.

Variável: [SeT]					
Efeito	Espécie	Soma Quadrados (1)	Soma Quadrados (2)	U	*p*
Jovens (1) x Adultos (2)	Corvina	303,0	292,0	27,0	0,000250*
Jovens (1) x Adultos (2)	Tainha	301,5	194,5	48,5	0,027975**

(*) *p<0,01*
(**) *p<0,05*

Anexo 8. Resultados do teste de Mann-Whitney (teste U) para as comparações entre as concentrações de selênio no tecido muscular e sexo dos peixes.

Variável: [SeT]					
Efeito	Espécie	Soma Quadrados (1)	Soma Quadrados (2)	U	*p*
Machos (1) x Fêmeas (2)	Corvina	3,5	24,5	0,5	0,081371 ns
Machos (1) x Fêmeas (2)	Tainha	5,0	194,5	16,0	0,354546 ns

ns- não significativo

Anexo 9. Resultados do teste de Mann-Whitney (teste U) para as comparações entre as concentrações de selênio no fígado e sexo dos peixes.

Variável: [SeT]					
Efeito	Espécie	Soma Quadrados (1)	Soma Quadrados (2)	U	*p*
Machos (1) x Fêmeas (2)	Corvina	5,0	23,0	2,0	0,245287 ns
Machos (1) x Fêmeas (2)	Tainha	11,0	10,0	0,0	0,064087 ns

ns- não significativo

Anexo 10. Resultados do teste de Mann-Whitney (teste U) para as comparações entre as concentrações de selênio na gônada e sexo das corvinas.

Variável: [SeT]					
Efeito	Espécie	Soma Quadrados (1)	Soma Quadrados (2)	U	*p*
Machos (1) x Fêmeas (2)	Corvina	3,0	25,0	0,0	0,052816*

(*) $p \leq 0,05$

Anexo 11. Resultados do teste de Kruskal-Wallis (ANOVA) aplicado ao conjunto total dos dados entre as três regiões amostradas.

Variável [SeT]					
Efeito	Graus de liberdade	N	χ^2	H	*p*
Região	2	9	6,30	4,19	0,0321*

(*) $p < 0,05$

Anexo 12. Relação dos trabalhos apresentados e publicados durante o desenvolvimento da dissertação.

- 2004 – "Selênio total em duas espécies de peixe da Baía de Guanabara (RJ)". **Seixas, T.G.**, Kehrig, H.A.**,** Baeta, A.P., Malm, O. & Moreira, I. *27ª. Reunião Anual da Sociedade Brasileira de Química e XXVI Congresso Latino americano de Química*, Salvador, Bahia, 30/05/2004 a 02/06/2004.
- 2004 – "Comparação entre as Concentrações de Hg e MeHg em Diferentes Organismos da Baía de Guanabara (RJ)". Baeta, A.P., Kehrig, H.A., Moreira, I., **Seixas, T.G.** & Malm, O. *27ª. Reunião Anual da Sociedade Brasileira de Química e XXVI Congresso Latino americano de Química*, Salvador, Bahia, 30/05/2004 a 02/06/2004.
- 2004 - "Relation between mercury, monomethylmercury and selenium in the muscle of coastal Brazilian fishes". Kehrig, H.A., **Seixas, T.G.**, Brito Jr., J.L., Baeta, A.P., Moreira, I. & Malm, O. *7th. International Conference on Mercury as a Global Pollutant*. Ljubljana, Slovenia, 27/06/2004 a 02/07/2004.
- 2004 - "Total mercury, monomethylmercury and selenium in the livers of different fishes and a marine mammal from a tropical estuary-Brazil". Kehrig, H.A., **Seixas, T.G.**, Baeta, A.P., Brito Jr., J.L., Moreira, I. & Malm, O. *7th. International Conference on Mercury as a Global Pollutant*. Ljubljana, Slovenia, 27/06/2004 a 02/07/2004.
- 2004 - "Comparison between mercury concentrations in tropical fishes from different periods". Baeta, A.P., Kehrig, H.A., Moreira, I., **Seixas, T.G.** & Malm, O. *7th. International Conference on Mercury as a Global Pollutant*. Ljubljana, Slovenia, 27/06/2004 a 02/07/2004.
- 2004 – "Determination of Selenium in Biological Samples using GF-AAS". **Seixas, T.G.**, Kehrig, H.A., Baeta, A.P., Moreira, I. & Malm, O. *8th. Rio Symposium on Atomic Spectrometry*. Parati, Brasil, 01/08/2004 a 06/08/2004.
- 2004 – "Selênio na Biota Aquática da Baía de Guanabara". **Seixas, T.G.**, Kehrig, H.A., Moreira, I. & Malm, O. *VIII Congresso Brasileiro de Ecotoxicologia*. Florianópolis, Santa Catarina, 17/10/2004 a 20/10/2004.
- *Relation Between Mercury, Methylmercury and Selenium in the Muscle of Coastal Brazilian Fishes and a Marine Mammal.* Kehrig, H.A., **Seixas, T.G.**, Brito Jr., J.L., Baeta, A.P., Moreira, I. & Malm, O. (2004). Submetido à Environmental Science and Pollution Research.