

Gall Group

Structure, Physiology and Chemistry of
Neotropical Galls

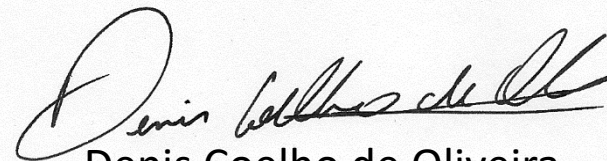
CERTIFICATION

We certify that **MOSHE INBAR** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Functional ecology of gall traits – a lesson from aphids**”.

Sincerely,



Rosy Mary dos Santos Isaías



Denis Coelho de Oliveira



UFMG



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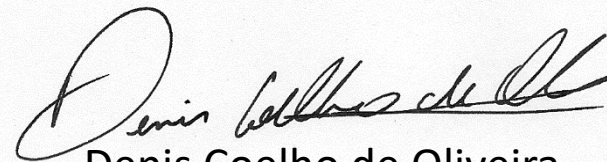
CERTIFICATION

We certify that **PAUL HANSON** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Parasitoids and inquilines of gall-inducing insects**”.

Sincerely,



Rosy Mary dos Santos Isaías



Denis Coelho de Oliveira



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Neotropical Galls

CERTIFICATION

We certify that **DALVA LUIZ DE QUEIROZ** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Natural history of gall-inducing psyllids (Hemiptera, Psylloidea)**”, authored by **DALVA LUIZ DE QUEIROZ** and **DANIEL BURCKHARDT**.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **MARCELO GUERRA SANTOS** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “A review of galls on ferns and lycophytes worldwide”, authored by **MARCELO GUERRA SANTOS, PAUL HANSON, VALERIA CID MAIA** and **KLAUS MEHLTRETER**.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **VALÉRIA C. MAIA** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Cecidomyiidae (Diptera) of the Atlantic Forest**”.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **UIARA C. REZENDE** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Multiple gall traits and galling survival in a multi-enemy context**” authored by **UIARA C. REZENDE, JOÃO CUSTÓDIO FERNANDES CARDOSO** and **DENIS C. OLIVEIRA**.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **NINA DE CASTRO JORGE** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “*Eremanthus erythropappus* senescent globoid stem galls and ants”, authored by **NINA DE CASTRO JORGE, THAIS SILVA DE PAULA, RAFAEL MELO CAFFARO** and **ROSY MARY DOS SANTOS ISAIAS**.

Sincerely,

Rosy Mary dos Santos Isaias

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **ÍGOR ABBA ARRIOLA**, attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Galls induced in Al-hyperaccumulator plants**”, authored by **ÍGOR ABBA ARRIOLA** and **ROSY MARY DOS SANTOS ISAIAS**.

Sincerely,

Rosy Mary dos Santos Isaias

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **RENÊ GONÇALVES DA SILVA CARNEIRO** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Gall development: how deep have we gone?**”.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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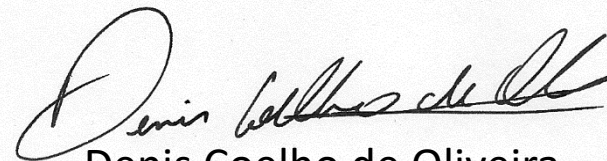
CERTIFICATION

We certify that **SÉRVIO PONTES RIBEIRO** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Gall abundance and distribution in tropical canopies is an evolutionary response to enemy free-space**”.

Sincerely,



Rosy Mary dos Santos Isaías



Denis Coelho de Oliveira



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CERTIFICATION

We certify that **ROSY MARY DOS SANTOS ISAIAS** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**How to be a gall**”.

Sincerely,

Rosy Mary dos Santos Isaias

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **BRUNO GARCIA FERREIRA** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Gall metabolism by anatomy and histochemistry: new insights by old tools**”.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **ELAINE COTRIM COSTA** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Structural convergence in bivalve-shaped galls induced by Cecidomyiidae (Diptera) on *Mimosa gemmulata* (Fabaceae)**” authored by **ELAINE COTRIM COSTA, DENIS COELHO DE OLIVEIRA and ROSY MARY DOS SANTOS ISAIAS.**

Sincerely,

Rosy Mary dos Santos Isaias

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **GRACIELLE PEREIRA BRAGANÇA** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Dynamics of cell wall components during gall formation on *Inga ingoides* (Rich.) Willd. (Fabaceae: Caesalpinioideae)**” authored by **GRACIELLE PEREIRA BRAGANÇA, CAROLINA FERREIRA DE ALENCAR, MARIANA DE SOUSA COSTA FREITAS and ROSY MARY DOS SANTOS ISAIAS.**

Sincerely,

Rosy Mary dos Santos Isaias

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **REISILA MIGLIORINI MENDES** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Prospection into anatomic, metabolic and genetic patterns in five morphotypes of galls in *Byrsonima coccolobifolia* Kunth (Malpighiaceae): a bridge between academic research and the formation of teachers**” authored by **REISILA MIGLIORINI MENDES** and **ROSY MARY DOS SANTOS ISAIAS**.

Sincerely,

Rosy Mary dos Santos Isaias

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **VITOR MARTINI** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **oral presentation** entitled “**Transcriptome profile in galls: whats up?**” authored by **VITOR MARTINI** and **DENIS COELHO DE OLIVEIRA**.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **GRACIELLE PEREIRA BRAGANÇA** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **poster presentation** entitled “**Metabolic and cytological compartmentalization in galls on *Inga ingoides* (Rich.) Willd. (Fabaceae: Caesalpinoideae)**” authored by **CAROLINA FERREIRA DE ALENCAR, GRACIELLE PEREIRA BRAGANÇA** and **ROSY MARY DOS SANTOS ISAIAS**.

Sincerely,

Rosy Mary dos Santos Isaias

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **ALENE RAMOS RODRIGUES** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **poster presentation** entitled “**Description of three new species of *Bruggmanniella* Tavares, 1909 (Diptera, Cecidomyiidae) from Brazil and a key for species**” authored by **ALENE RAMOS RODRIGUES** and **VALÉRIA CID MAIA**.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **KAREN DIOCESANO DA CRUZ** and **CAROLINA MARÍA CRISTINA MAIA SILVA** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with **poster presentation** entitled “**Representativeness of the genus *contarinia* (insecta, diptera, cecidomyiidae)** in the entomology collection of the national museum / UFRJ” authored by **VALÉRIA CID MAIA, KAREN DIOCESANO DA CRUZ** and **CAROLINA MARÍA CRISTINA MAIA SILVA**.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **SHARLENE ASCENDINO HORACIO DA SILVA** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **poster presentation** entitled “**New geographical records of species of Clinodiplosis (Diptera, Cecidomyiidae)**” authored by **SHARLENE ASCENDINO HORACIO DA SILVA** and **VALÉRIA CID MAIA**.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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Structure, Physiology and Chemistry of
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CERTIFICATION

We certify that **SHARLENE ASCENDINO HORACIO DA SILVA** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **poster presentation** entitled “**Agromyzidae (Insecta: Diptera) galls from Brazil: What is known?**” authored by **VIVIANE RODRIGUES DE SOUSA, SHARLENE ASCENDINO HORACIO DA SILVA** and **VALÉRIA CID MAIA**.

Sincerely,

Rosy Mary dos Santos Isaías

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **ELAINE COTRIM COSTA** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **poster presentation** entitled “Does the galling Cecidomyiidae stimulate the formation of histochemical gradients in tissue compartments of the bivalve-shaped gall?” authored by **DAYSE KELLY LISBOA FERREIRA, ELAINE COTRIM COSTA** and **ROSY MARY DOS SANTOS ISAIAS**.

Sincerely,

Rosy Mary dos Santos Isaias

Denis Coelho de Oliveira



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CERTIFICATION

We certify that **THAIS SILVA DE PAULA** attended the *Biology of Galls - Symposium* in Parque Estadual do Itacolomi – Ouro Preto/ MG - Brazil from November 15th to 17th 2018, with the **poster presentation** entitled “Structural alterations between senescent galls occupied by ants and senescent galls not occupied” authored by **THAIS SILVA DE PAULA, NINA DE CASTRO JORGE** and **ROSY MARY DOS SANTOS ISAIAS**.

Sincerely,

Rosy Mary dos Santos Isaias

Denis Coelho de Oliveira



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