

ADDITIONAL TREE FERNS OF PERÚ: NEW SPECIES, NEW RECORDS, AND HYBRIDS

Adrian Tejedor¹ and Gloria Calatayud²

¹School for Field Studies, Perú; ²Universidad San Antonio Abad del Cusco, Perú

Photos by Adrian Tejedor and Gloria Calatayud. Produced by Adrian Tejedor. Thanks to the School for Field Studies for support and to Gonzalo Ochoa for company in the field.

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1 *Cyathea angelica* A.Tejedor & G.Calatayud



frond apex



trunk apex



crozier



petiole



pinnule



2 *Cyathea brucei* Lehnert



3 *Cyathea carolinae* A.Tejedor & G.Calatayud



4 *Cyathea cisandina* A.Tejedor & G.Calatayud



5 *Cyathea cnemidaria* Lehnert



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6 *Cyathea delgadoi* Pohl ex Sternb.*



frond apex



trunk apex



crozier



petiole



pinnule



7 *Cyathea estevesorum* A.Tejedor & G.Calatayud



8 *Cyathea grata* A.Tejedor & G.Calatayud



9 *Cyathea hierbabuena* A.Tejedor & G.Calatayud



10 *Cyathea lehnertii* A.Tejedor & G.Calatayud



* Under current taxonomic concept. Excludes populations with atropurpureous petioles and glabrescent axes from Costa Rica to Paraguay.

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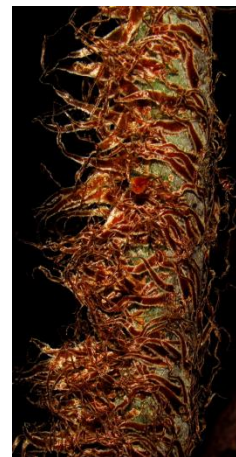
11 *Cyathea leoniae* M. Acuña-Tarazona & E. Huamán-Melu frond apex

trunk apex

crozier

petiole

pinnule



12 *Cyathea macrosora* (Baker) Domin



13 *Cyathea monteagudoii* A. Tejedor & G. Calatayud



14 *Cyathea novoi* A. Tejedor & G. Calatayud



15 *Cyathea oscariorum* A. Tejedor & G. Calatayud

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16 *Cyathea phegopteroides* (Hook.) Domin



frond apex



trunk apex



crozier



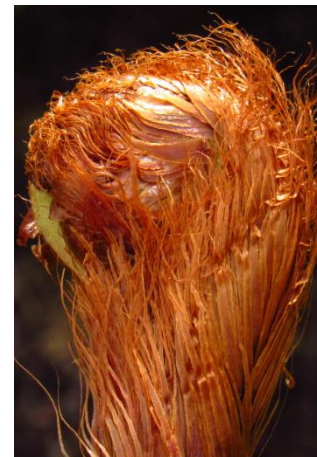
petiole



pinnule



17 *Cyathea phoenix* A.Tejedor & G.Calatayud



18 *Cyathea pibyaе* A.Tejedor & G.Calatayud



19 *Cyathea rocioae* A.Tejedor & G.Calatayud



20 *Cyathea valliciergoana* A.Tejedor & G.Calatayud



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21 *Cyathea villosa* Humb. & Bonpl. ex Willd.



frond apex



trunk apex



crozier



petiole



pinnule



22 *Cyathea xerica* A.Tejedor & G.Calatayud



23 *Cyathea yambrasensis* A.Tejedor & G.Calatayud



24 *Cyathea* sp. aff. *meridensis* Karst.; Alto Nieva, Amazonas



25 *Cyathea* sp. nov.; Alto Nieva, Amazonas



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26 *Cyathea bipinnatifida* x *C. lechleri*; Pilcopata, Cuzco



27 *Cyathea bipinnatifida* x *C. obnoxia*; Abra Patricia, Amazonas



28 *Cyathea bipinnatifida* x *C. squamipes*; Cenepa, Amazonas



29 *Cyathea chontilla* x *C. thelypteroides*; Ozurco, Cajamarca



30 *Cyathea chontilla* x *C. serpens*; Chacos, Pasco



31 *Cyathea dombeyi* x *C. tortuosa*; Soqtapata, Cusco



32 *Cyathea gracilis* x *C. lindeniana*; Calabozo, Cajamarca



33 *Cyathea gracilis* x *C. oreopteroides*; Alto Nieva, Amazonas



34 *Cyathea gracilis* x *C. pibya*; Abra Patricia, Amazonas



35 *Cyathea gracilis* x *C. villosa*; Calabozo, Cajamarca

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36 *Cyathea gracilis* x *C. xerica*; Colán, Amazonas

37 *Cyathea meridensis* x *C. oscarorum*; Colán, Amazonas



38 *Cyathea microphylla* x *C. obnoxia*; Colán, Amazonas

39 *Cyathea multisegmenta* x *C. uleana*; Intipunku, Cuzco



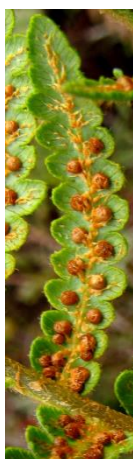
40 *Cyathea obnoxia* x *C. oreopteroides*; Alto Nieva, Amazonas

41 *Cyathea obnoxia* x *C. xerica*; Corosha, Amazonas



42 *Cyathea oreopteroides* x *C. pibyaie*; Alto Nieva, Amazonas

43 *Cyathea oreopteroides* x *C. squamipes?*; Abra Patricia, Amazonas



44 *Cyathea peladensis* x *C. pibyaie*; Romerillo, Cajamarca

45 *Cyathea pibyaie* x *C. yambrasensis*; Romerillo, Cajamarca