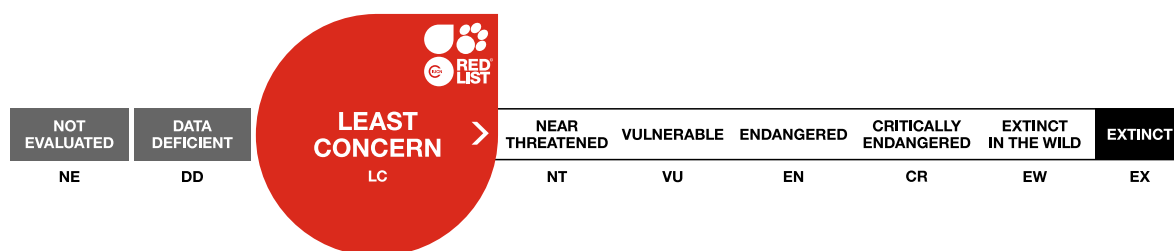


## *Sticta arachnofuliginosa*

Assessment by: Moncada, B., Simijaca, D., Soto-Medina, E., Coca, L.F. & Jaramillo, M.



View on [www.iucnredlist.org](http://www.iucnredlist.org)

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## Taxonomy

| Kingdom | Phylum     | Class           | Order        | Family      |
|---------|------------|-----------------|--------------|-------------|
| Fungi   | Ascomycota | Lecanoromycetes | Peltigerales | Lobariaceae |

**Scientific Name:** *Sticta arachnofuliginosa* Moncada & Lücking

**Taxonomic Source(s):**

Index Fungorum Partnership. 2020. Index Fungorum. Available at: <http://www.indexfungorum.org>.

**Identification Information:**

Liquen folioso, epífito de lóbulos redondeados, gris azulosos, con la superficie superior costillada y con depresiones. Superficie inferior con tomento y cifelas blancas y amplias.

## Assessment Information

**Red List Category & Criteria:** Least Concern [ver 3.1](#)

**Year Published:** 2023

**Date Assessed:** November 26, 2019

**Justification:**

Esta especie tiene una EOO de 65.042 km<sup>2</sup>, con el 50% de sus registros en áreas protegidas; no obstante, algunas de sus subpoblaciones están siendo afectadas por la ampliación de la frontera urbana, agrícola y el pastoreo de ganado, lo cual puede disminuir la calidad del hábitat. Sin embargo, dada su amplia EOO, la especie se lista como en Preocupación Menor (LC).

## Geographic Range

**Range Description:**

Amplia distribución en Colombia en la región andina en departamentos como Boyacá, Caldas, Cauca, Cundinamarca, Huila, Tolima, Nariño y Norte de Santander.

**Country Occurrence:**

**Native, Extant (resident):** Colombia

# Distribution Map

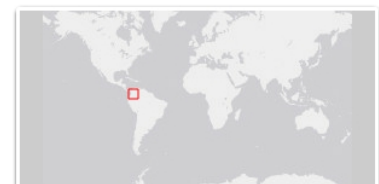
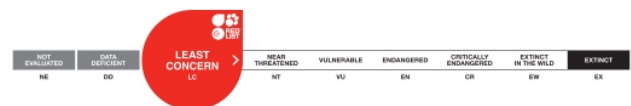


## Legend

● EXTANT (RESIDENT)

## Compiled by:

IUCN (International Union for Conservation of Nature) 2019



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.

## Population

Dada la naturaleza de su crecimiento clonal y la falta de estudios sobre su ecología poblacional, para Colombia no se conoce nada sobre la abundancia o dinámica de las poblaciones de la especie.

**Current Population Trend:** Unknown

## Habitat and Ecology (see Appendix for additional information)

Se encuentra en bosques altoandinos y páramos, en sitios sombreados, crece como elemento epífito en árboles y arbustos.

**Systems:** Terrestrial

## Use and Trade (see Appendix for additional information)

No se han reportado usos para la especie.

## Threats (see Appendix for additional information)

Algunas de sus subpoblaciones están siendo afectadas por la ampliación de la frontera urbana, agrícola y el pastoreo de ganado, lo cual puede disminuir la calidad del hábitat.

## Conservation Actions (see Appendix for additional information)

Algunos de sus registros se encuentra en área protegida. La especie se encuentra enmarcada en la resolución 0213 de 1977 que veda su uso y comercialización. Se recomiendan investigaciones relacionadas con la historia de vida y la ecología de la especie, así como la tendencia de sus poblaciones y del hábitat para determinar estrategias de manejo para los ecosistemas donde la especie es frecuente.

## Credits

**Assessor(s):** Moncada, B., Simijaca, D., Soto-Medina, E., Coca, L.F. & Jaramillo, M.

**Reviewer(s):** García, N., Allen, J. & Yahr, R.

**Contributor(s):** Lücking, R.

**Facilitator(s) and Compiler(s):** Lopez-Gallego, C.

## Bibliography

Alexander von Humboldt Biological Resources Research Institute. 2019. Catalogador de Información Biológica - IAvH. Available at: [http://i2d.humboldt.org.co/ceiba/resource.do?r=rrbb\\_liquenes\\_2019](http://i2d.humboldt.org.co/ceiba/resource.do?r=rrbb_liquenes_2019). (Accessed: 2019).

IUCN. 2023. The IUCN Red List of Threatened Species. Version 2023-1. Available at: [www.iucnredlist.org](http://www.iucnredlist.org). (Accessed: 11 December 2023).

Moncada, B. and Lücking, R. 2012. Ten new species of *Sticta* and counting: Colombia as a hot spot for unrecognized diversification in a conspicuous macrolichen genus. *Phytotaxa* 74: 1-29.

## Citation

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## External Resources

For [Supplementary Material](#), and for [Images and External Links to Additional Information](#), please see the Red List website.

## Appendix

### Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

| Habitat                                                             | Season | Suitability | Major Importance? |
|---------------------------------------------------------------------|--------|-------------|-------------------|
| 1. Forest -> 1.9. Forest - Subtropical/Tropical Moist Montane       | -      | Suitable    | -                 |
| 4. Grassland -> 4.7. Grassland - Subtropical/Tropical High Altitude | -      | Suitable    | -                 |

### Plant and Fungal growth forms

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

| Plant and Fungal growth forms |
|-------------------------------|
| LC. Lichen                    |

### Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

| Threat                                                                                                                            | Timing  | Scope   | Severity |
|-----------------------------------------------------------------------------------------------------------------------------------|---------|---------|----------|
| 1. Residential & commercial development -> 1.1. Housing & urban areas                                                             | Ongoing | -       | -        |
| 2. Agriculture & aquaculture -> 2.1. Annual & perennial non-timber crops -> 2.1.1. Shifting agriculture                           | Ongoing | Unknown | Unknown  |
| 2. Agriculture & aquaculture -> 2.3. Livestock farming & ranching -> 2.3.2. Small-holder grazing, ranching or farming             | Ongoing | Unknown | Unknown  |
| 5. Biological resource use -> 5.3. Logging & wood harvesting -> 5.3.3. Unintentional effects: (subsistence/small scale) [harvest] | Ongoing | Unknown | Unknown  |
| Stresses: 1. Ecosystem stresses -> 1.1. Ecosystem conversion<br>1. Ecosystem stresses -> 1.2. Ecosystem degradation               |         |         |          |

### Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

| Conservation Action in Place               |
|--------------------------------------------|
| In-place land/water protection             |
| Occurs in at least one protected area: Yes |
| In-place species management                |
| Subject to ex-situ conservation: No        |

## Conservation Actions Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

| Conservation Action Needed                                             | Notes |
|------------------------------------------------------------------------|-------|
| 2. Land/water management -> 2.3. Habitat & natural process restoration | -     |
| 4. Education & awareness -> 4.3. Awareness & communications            | -     |

## Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

| Research Needed                                            | Notes |
|------------------------------------------------------------|-------|
| 1. Research -> 1.2. Population size, distribution & trends | -     |
| 1. Research -> 1.3. Life history & ecology                 | -     |
| 3. Monitoring -> 3.1. Population trends                    | -     |
| 3. Monitoring -> 3.4. Habitat trends                       | -     |

## Additional Data Fields

|                                                                  |
|------------------------------------------------------------------|
| <b>Distribution</b>                                              |
| Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 65042   |
| Lower elevation limit (m): 2,805                                 |
| Upper elevation limit (m): 3,999                                 |
| <b>Population</b>                                                |
| Population severely fragmented: Unknown                          |
| <b>Habitats and Ecology</b>                                      |
| Continuing decline in area, extent and/or quality of habitat: No |



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