

Table 1 Species reports detected in air, in settled dust and on documents surface preserved in the NARC repositories from the 1980s to 2022

No.	Species	Air			Settled dust			Documents surface					
		References	No. of reports	RF (%)	E C	References	No. of reports	RF (%)	E C	References	No. of reports	RF (%)	E C
1	<i>Acremonium</i> sp. Link	44,47,48,52	4	17.4	R	-	-	-	-	-	-	-	-
2	<i>A. alabamense</i> Morgan-Jones	48	1	4.3	R	-	-	-	-	-	-	-	-
3	<i>Alternaria</i> sp. Nees	23,36,39-45,47,49,50,52,115,154,155,158,163,164	19	82.6	A	52	1	25	O	41,155	2	16.7	R
4	<i>A. alternata</i> (Fr.) Keissl.	41,48	2	8.7	R	-	-	-	-	-	-	-	-
5	<i>A. cinerariae</i> Hori&Enjoji	50	1	4.3	R	-	-	-	-	-	-	-	-
6	<i>A. geophila</i> Dasz.	115,154,155,156,162,158	6	26.1	O	-	-	-	-	115	1	8.3	R
7	<i>A. solani</i> Sorauer	158	1	4.3	R	-	-	-	-	115	1	8.3	R
8	<i>A. triticina</i> Prasada&Prabhu	50	1	4.3	R	-	-	-	-	-	-	-	-
9	<i>A. zinnia</i> H. Pape ex M.B. Ellis	50	1	4.3	R	-	-	-	-	-	-	-	-
10	<i>Aspergillus</i> sp. P. Micheli ex Haller	36,41,43,44,47,154,162,164	8	34.8	O	-	-	-	-	24,43,49,158	4	33.3	O
11	<i>A. alliaceus</i> Thom&Church	42,44,48,49,163	5	21.7	O	-	-	-	-	163,165,167	3	25.0	O
12	<i>A. thecius</i> Raper&Fennell	50,51,52	3	13.0	R	-	-	-	-	-	-	-	-
13	<i>A. auricomus</i> (Guég.) Saito	42,44,49,163	4	17.4	R	-	-	-	-	-	-	-	-
14	<i>A. caespitosus</i> Raper&Thom	-	-	-	-	-	-	-	-	163,165,167	3	25.0	O
15	<i>A. candidus</i> Link	42,44,48,49,163	5	21.7	O	-	-	-	-	49,166,168	3	25.0	O
16	<i>A. carbonarius</i> (Bainier) Thom	-	-	-	-	-	-	-	-	115,168	2	16.7	R
17	<i>A. carneus</i> (Tiegh.)	-	-	-	-	-	-	-	-	169	1	8.3	R

18	Blochwitz <i>A. chevalieri</i> L. Mangin	-	-	-	-	44,163, 167	3	75	C	167,168 <i>E.chevalieri</i> *: 24,49 <i>E. chevalieri</i> *: 166	2 2 1	16.7 16.7 8.3	R R R
19	<i>A. clavatoflavus</i> Raper & Fennell	46,50	2	8.7	R	-	-	-	-	-	-	-	-
20	<i>A. clavatus</i> Desm.	23,39,41,42,45,52	6	26.1	O	52	1	25	O	-	-	-	-
21	<i>A. conicus</i> Blochwitz	46,50	2	8.7	R	-	-	-	-	-	-	-	-
22	<i>A. ellipticus</i> Raper & Fennell	115	1	4.3	R	-	-	-	-	-	-	-	-
23	<i>A. flavipes</i> (Bain &Sart) Thom & Church	23,39,40,42,45, 48, 52	7	30.4	O	-	-	-	-	169	1	8.3	R
24	<i>A. flavus</i> Link	2,23,34,39-42,44, 45,47-52,115,155, 156,158,162,163, 168,170	23	100	A	44,52,163, 167	4	100	A	41,43,49,115,163, 165, 166,167,169,170	10	83.3	A
25	<i>A. fumigatus</i> Fresen.	39,42,115,155, 156,158,162	7	30.4	O	-	-	-	-	115,155	2	16.7	R
26	<i>A. glaucus</i> Link	46,50,52,115,155	5	21.7	O	52	1	25	O	115	1	8.3	R
27	<i>A. japonicus</i> Saito	42,44,49,50,163	5	21.7	O	-	-	-	-	-	-	-	-
28	<i>A. nidulans</i> (Eidam) G. Winter	34,39,40,42,52	5	21.7	O	-	-	-	-	24,43,49	3	25.0	O
29	<i>A. niger</i> Tiegh.	23,34,39,41,42, 45,46,48,49,50, 52,115,154,155, 156,158, 162,168,170	19	82.6	A	44,52,163,167	4	100	A	41,43,49,115,154, 155, 163,165,166,167, 170,169	12	100	A
30	<i>A. niveus</i> Blochwitz	-	-	-	-	-	-	-	-	169	1	8.3	R
31	<i>A. ochraceus</i> K. Wil.	34,50,51,52,115, 154	6	26.1	O	-	-	-	-	154	1	8.3	R
32	<i>A. ornatus</i> Raper, Fennell &Tresner	50	1	4.3	R	-	-	-	-	163,165,167	3	25.0	O
33	<i>A. oryzae</i> (Ahlb.) Cahn	34,42,44,49,52, 154,158,163,168	9	39.1	O	52	1	25	O	154,163,165,167	4	33.3	O
34	<i>A. ostianus</i> Wehmer	42,44,49,163	4	17.4	R	-	-	-	-	-	-	-	-
35	<i>A. panamensis</i> Raper & Thom	115,154	2	8.7	R	-	-	-	-	115,154	2	16.7	R
36	<i>A. parasiticus</i> Speare	46,50,52	3	13.0	R	-	-	-	-	168	1	8.3	R
37	<i>A. penicillioides</i>	49,52	2	8.7	R	52	1	25	O	-	-	-	-

92	<i>Cl. tenuissimum</i> Cooke, Grevillea	50,51,52,168	4	17.4	R	52	1	25	O	-	-	-	-
93	<i>Cl. varians</i> U. Braun, Melnik & K. Schub.	-	-	-	-	-	-	-	-	115	1	8.3	R
94	<i>Cl. werneckii</i> Horta **	115	1	4.3	R	-	-	-	-	-	-	-	-
95	<i>Cryptococcus</i> sp. Vuill.	-	-	-	-	-	-	-	-	2	1	8.3	R
96	<i>Curvularia</i> sp. Boedijn	2,23,39,40,41,42, 43,45,47,49,52, 155,158	13	56.5	F	52	1	25	O	115,155	2	16.7	R
97	<i>C. australiensis</i> (Bugnic. ex M.B. Ellis) Manamgoda, L. Cai & K.D. Hyde	44	1	4.3	R	-	-	-	-	-	-	-	-
98	<i>C. eragrostidis</i> (Henn.) J.A. Mey.	44,48,163	3	13.0	R	-	-	-	-	-	-	-	-
99	<i>C. lunata</i> (Wakker) Boedijn	41,115,154,156, 162	5	21.7	O	-	-	-	-	115,155	2	16.7	R
100	<i>C. pallescens</i> Boedijn	41,44,48,163	4	17.4	R	-	-	-	-	-	-	-	-
101	<i>Epicoccum</i> sp. Link	34,42,44,49,163, 170	6	30.4	O	-	-	-	-	-	-	-	-
102	<i>E. nigrum</i>	170	1	4.3	R	-	-	-	-	-	-	-	-
103	<i>Exophiala</i> <i>castellanii</i> Iwatsu, Nishimura & Miyaji	48	1	4.3	R	-	-	-	-	-	-	-	-
104	<i>Fusarium</i> sp. Link	2,23,34,36,39- 43,45,47,49,52, 164	14	60.9	F	-	-	-	-	155,158	2	16.7	R
105	<i>F. graminearum</i> Schwabe	50	1	4.3	R	-	-	-	-	-	-	-	-
106	<i>F. merismoides</i> Corda	115	1	4.3	R	-	-	-	-	-	-	-	-
107	<i>F. moniliforme</i> J. Sheld.	115,156,158,162	4	17.4	R	-	-	-	-	-	-	-	-
108	<i>F. solani</i> (Mart.) Sacc.	41,115,154,155, 156,158,162	7	30.4	O	-	-	-	-	115	1	8.3	R
109	<i>F. oxysporum</i>	48	1	4.3	R	-	-	-	-	115	1	8.3	R

	E. W Mason												
133	<i>Nodulisporium</i> sp. Preuss	36,47,50,52	4	17.4	R	-	-	-	-	-	-	-	-
134	<i>Ovulariopsis</i> sp. Pat. & Har.	36,47,50	3	13.0	R	-	-	-	-	-	-	-	-
135	<i>Paecilomyces</i> sp. Bainier	36,52,115	3	13.0	R	-	-	-	-	24,155,158	3	25.0	O
136	<i>P. variotii</i> Bainier	48	1	4.3	R	-	-	-	-	115,155	2	16.7	R
137	<i>Papularia</i> sp. Fr.	47,50	2	8.7	R	-	-	-	-	-	-	-	-
138	<i>Papulaspora</i> sp. Preuss	170	1	4.3	R	-	-	-	-	-	-	-	-
139	<i>Penicillium</i> sp. Link	2,23,34,36,39,40, 41,43,44,47,49, 163	12	52.2	F	44,163	2	50	F	2,24,41,49,154,155, 158,166,170	9	75.0	C
140	<i>P. albicans</i> Bainier	-	-	-	-	-	-	-	-	169	1	8.3	R
141	<i>P. aurantiogriseum</i> Dierckx	45,52,171	3	13.0	R	52	1	25	O	-	-	-	-
142	<i>P. brevicompactum</i> Dierckx	50,52	2	8.7	R	-	-	-	-	-	-	-	-
143	<i>P. camemberti</i> Thom	-	-	-	-	-	-	-	-	169,	1	8.3	R
144	<i>P. canescens</i> Sopp	42,44,49,163	4	17.4	R	-	-	-	-	-	-	-	-
145	<i>P. chrysogenum</i> Thom	41,42,44,45,48, 49,52,163	8	34.8	O	52	1	25	O	41,43,49,115,166,168	6	50.0	F
146	<i>P. citrinum</i> Thom	41,42,44,45,48- 52,163,168,170	12	52.2	F	52	1	25	O	41,43,44,49,115,163, 166,167	8	66.7	C
147	<i>P. citreorosum</i> Dierckx	115,155,156,158	5	21.7	O	-	-	-	-	-	-	-	-
148	<i>P. citreoviride</i> Biourge	-	-	-	-	-	-	-	-	43,170	2	16.7	R
149	<i>P. commune</i> Thom	41,42,45,52	4	17.4	R	52	1	25	O	41,169	2	16.7	R
150	<i>P. corylophilum</i> Dierckx	-	-	-	-	-	-	-	-	115	1	8.3	R
151	<i>P. decumbens</i> Thom	45,52	2	8.7	R	52	1	25	O	41	1	8.3	R
152	<i>P. digitatum</i> (Pers.) Sacc.	45,52	2	8.7	R	52	1	25	O	-	-	-	-
153	<i>P. fellutanum</i> Biourge	170	1	4.3	R	-	-	-	-	163,165,167	3	25.0	O
154	<i>P. frequentans</i> Westling	115	1	4.3	R	-	-	-	-	43,115,170	3	25.0	O
155	<i>P. funiculosum</i>	115	1	4.3	R	-	-	-	-	115	1	8.3	R

176	<i>Phoma</i> sp. Sacc.	115	1	4.3	R	-	-	-	-	157,158,159	3	25.0	O
177	<i>Rhizopus</i> sp. Ehrenb.	50	1	4.3	R	-	-	-	-	115,155,157,158,159, 160,161	7	58.3	F
178	<i>R. arrhizus</i> A. Fisch.	155,158,162	3	13.0	R	-	-	-	-	-	-	-	-
179	<i>R. nodosus</i> Namysl.	115	1	4.3	R	-	-	-	-	-	-	-	-
180	<i>R. nigricans</i> Ehrenb.	115,170	2	8.7	R	-	-	-	-	115	1	8.3	R
181	<i>R. oryzae</i> Went & Prins. Geerl.	115,155,156,158, 162	5	21.7	O	-	-	-	-	115	1	8.3	R
182	<i>Rhodotorula</i> sp. F.C. Harrison	36,47,50	3	13.0	R	-	-	-	-	2,24,43,49	4	33.3	O
183	<i>Scolecobasidium</i> sp. E.V. Abbott	47,50,51,52	4	17.4	R	52	1	25	O	-	-	-	-
184	<i>Sepedonium</i> sp. Link	47	1	4.3	R	-	-	-	-	-	-	-	-
185	<i>Sporobolomyces</i> sp. Kluyver & C.B. Niel	48	1	4.3	R	-	-	-	-	-	-	-	-
186	<i>Sporotrichum</i> sp. Link	115,162	2	8.7	R	-	-	-	-	157,159,160,161	4	33.3	O
187	<i>Sporotrichum pulverulentum</i> Novobr.	-	-	-	-	-	-	-	-	115,155,156,158	4	33.3	O
188	<i>Stachybotrys</i> sp. Corda	-	-	-	-	-	-	-	-	157,158	2	16.7	R
189	<i>Stemphylium</i> sp. Wallr.	170	1	4.3	R	-	-	-	-	-	-	-	-
190	<i>Syncephalastrum</i> sp. J. Schröt.	23,41,42	3	13.0	R	-	-	-	-	-	-	-	-
191	<i>S. racemosum</i> Cohn	115,156,158	3	13.0	R	-	-	-	-	-	-	-	-
192	<i>Talaromyces</i> sp. C.R. Benj.	-	-	-	-	-	-	-	-	49	1	8.3	R
193	<i>T. flavus</i> (Klöcker) Stolk & Samson	-	-	-	-	-	-	-	-	43	1	8.3	R
194	<i>T. helicus</i> C.R. Benj.	-	-	-	-	-	-	-	-	41	1	8.3	R
195	<i>Trichoderma</i> sp. Pers.	42,44,49,162,163	5	21.7	O	-	-	-	-	155,157,159,160,161	5	41.7	F
196	<i>T. koningii</i> Oudem.	-	-	-	-	-	-	-	-	115	1	8.3	R
197	<i>T. lignorum</i> (Tode) Harz	115	1	4.3	R	-	-	-	-	115,154,156,158	4	33.3	O
198	<i>T. viride</i> Pers.	48	1	4.3	R	-	-	-	-	115,156,158	3	25.0	O
199	<i>Trichothecium</i> sp. Link	-	-	-	-	-	-	-	-	156,159	2	16.7	R

200	<i>Trichophyton</i> sp. Malmsten	47	1	4.3	R	-	-	-	-	24	1	8.3	R
201	<i>Torula</i> sp. Pers.	36,47,50	3	13.0	R	-	-	-	-	-	-	-	-
202	<i>Verticillium</i> sp. Nees	115	1	4.3	R	-	-	-	-	157,158,159	3	25.0	O
203	<i>Zygosporium</i> sp. Mont.	36,47,50	3	13.6	R	52	1	25	O	-	-	-	-
204	Non-sporulating mycelia	2,34,36,42,44,47, 48,49,50,51,52, 163, 164	13	56.5	F	52	1	25	O	24,41,43	3	25.0	O

Note: Reports of isolated species of air = 23. Reports of isolated species of dust = 4. Report of isolated species of the documents surface = 12. .; Indicates *Eurotium chevalieri*, teleomorph of *Aspergillus chevalieri*. **, Indicates that its current name is *Hortaea werneckii* (Horta) Nishim. & Miyaj. Ecological categories (EC), Abundant (A) with RF = 100 – 81%; Common (C) with RF = 80 – 61%; Frequent (F) with RF = 60 – 41%; Occasional (O) with RF = 40 – 21%; Rare (R) with RF = 20 – 0.1%.