

An annotated checklist of holotype specimens deposited in mycological section of Central National Herbarium (CAL), Howrah, India

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ABSTRACT

A checklist of holotype specimens deposited in the mycological section of the Central National Herbarium (CAL), Howrah, is provided. The list is mainly based on the accession records of the CAL herbarium. A unique accession number for each sample, as per the accession records of CAL, is provided along with the publication details of each species. The list is arranged alphabetically and by family. Locality for every species is also provided.

Keywords: Checklist, CAL, Holotype, India, Specimens

The Central National Herbarium (CAL), Howrah, is one of the most reputed and largest herbaria in the world. According to the International Code of Nomenclature for algae, fungi, and plants (Turland *et al.* 2018), it is mandatory to deposit holotype specimens in a recognized herbarium for a valid and legitimate publication of a species. The Mycological section of the Central National Herbarium (CAL), Howrah, represents specimens deposited from the researchers all over India. Each specimen receives a unique accession number upon deposition. In recent years, researchers have described many new species from India (Bera *et al.* 2022; Ghosh *et al.* 2022; Jayawardena *et al.* 2022; Kumar *et al.* 2022, Verma *et al.* 2022, 2023, 2024; Vinjusha and Kumar 2022; Das *et al.* 2023, 2024; Mehmood *et al.* 2023; Uniyal *et al.* 2023; Liu *et al.* 2024), with their specimens deposited at CAL. This practice ensures the availability of type material for future reference and study. The present paper provides a comprehensive checklist of specimens deposited in the Mycological

section of CAL up to November 2024. This list includes detailed information about each species (CAL accession number, locality, publication details).

This checklist is based primarily on the accession records of the Central National Herbarium (CAL) in Howrah. Details of each deposited holotype specimens are critically examined. Publication details against every specimen as per the Index Fungorum is checked and then related publications were checked. Author abbreviations and journal abbreviation for the species names is given as per the index fungorum for each species.

The checklist includes only valid published names, if a species has undergone a name change, the checklist also provides its current name as per the index fungorum. This comprehensive and meticulously organized checklist arranges entries alphabetically by family, genus, and species names. If any specimens deposited in the CAL, but not published till now is not included in the present Checklist.

AN ANNOTATED CHECKLIST OF HOLOTYPE SPECIMENS DEPOSITED IN MYCOLOGICAL SECTION

List of species listed in CAL

Species	Authors	Locality collected	Publication details	CAL accession number
Agaricaceae				
<i>Agaricus albstipitatus</i>	Tarafder <i>et al.</i>	Chandirampur, Nadia West Bengal, India,	Fungal Diversity 124: 67 (2024),	CAL1871
<i>Agaricus albovariabilis</i>	Arya & Pradeep	Palode, Thiruvananthapuram, Kerala, India	Nordic Jl. Bot.(12): e03742, 2 (2022)	CAL1875
<i>Agaricus brunneodiscus</i>	Pradeep & Arya	Palode, Thiruvananthapuram, Kerala, India	Phytotaxa 533(4): 185 (2022)	CAL1848
<i>Abstoma indicum</i>	Altaf <i>et al.</i>	Magamkokenag, Anant Nag, J&K, India	Nova Hedwigia 115(1–2): 93 (2022)	CAL1866
Agaricales				
<i>Hodophilus indicus</i>	Raj <i>et al.</i>	Brahamagiri, Tirunelli, Waynad, Kerala, India	Persoonia 38: 331 (2017)	CAL1526
<i>Hygrocybe boriviliensis</i>	Sharma <i>et al.</i>	Borivali, Mumbai, Maharashtra, India	Bull. Bot. Surv. India 28(1-4): 171 (1986)	CAL1539
Amanitaceae				
<i>Amanita dhakuriana</i>	Mehmood <i>et al.</i>	Dhakuri, Bagheshwar, Uttarakhand, India	Phytotaxa 367(3): 226 (2018),	CAL1531
<i>Amanita emodotrygon</i>	Mehmood <i>et al.</i>	Hariyali Devi forest, Rudraprayag, UK, India	Fungal Diversity 83: 155 (2017)	CAL1338
<i>Amanita indogrisea</i>	Kumar <i>et al.</i>	Doda District, J&K, India	Karstenia 60(1–2): 4 (2022)	CAL1850
<i>Amanita indovaginata</i>	Ghosh <i>et al.</i>	Durgapur, Sahibganj, Jharkhand, India	Czech Mycol. 76(1): 7 (2024)	CAL1921
<i>Amanita rajendrae</i>	Mehmood <i>et al.</i>	Shahar Phatak Forest, Mukteshwar, Nainital, UK, India	Cryptog. Mycol. 38(3): 354 (2017)	CAL1530
<i>Amanita sharmae</i>	Kumar <i>et al.</i>	Chatroo, Kishtwar District, J&K, India	Phytotaxa 584(3): 190 (2023)	CAL1882
<i>Amanita subtropicana</i>	Mehmood & Bhat	Vyasi, Tehari district, Uttarakhand, India	Fungal Diversity: 10.1007/s13225–w, [187] (2019)	CAL1660
<i>Amanita tullossiana</i>	Mehmood <i>et al.</i>	Baniyakund, Rudrapraya, Uttarakhand, India	<i>Myco Keys</i> 37: 79 (2018)	CAL1611
Boletaceae				
<i>Boletus sharmae</i>	Das & Chakraborty	Dombang, North Sikkim, India	Indian Journal of Plant Sciences 3(1): 19 (2014)	CAL1151
<i>Boletellus shoreae</i> A.	Parihar <i>et al.</i>	KWLS, Koderma, Jharkhand, India	Nordic J Bot. 36(12): e02089, 5 (2018)	CAL1684
<i>Cyanoboletus paurianus</i>	Das & Ghosh	Pedkhal, Pauri, Uttarakhand, India	J. Fungi 9 (7, no. 754): 13 (2023)	CAL1926
<i>Hortiboletus indorubellus</i>	Chakraborty <i>et al.</i>	Churten, East Sikkim, India	Mycologia 108(4): 759 (2016)	CAL1303
<i>Indoporus shoreae</i>	Parihar <i>et al.</i>	KWLS, Koderma, Jharkhand, India	Cryptog. Mycol. 39(4): 453 (2018)	CAL1719
<i>Leccinellum binderi</i>	Das <i>et al.</i>	Chaubatta, Pauri, Uttarakhand, India	J. Fungi 9(7, no. 754): 10 (2023)	CAL1923
<i>Leccinellum indoarentiacum</i>	Chakraborty <i>et al.</i>	Kyangnosla, East Sikkim, India	Fungal Diversity 78: 10.1007/s13225–016–0366–9, [160] (2016)	CAL1582
<i>Strobilomyces longistipitatus</i>	Chakraborty <i>et al.</i>	Mamainchu, East Sikkim, India	Fungal Diversity 83: 200 (2017)	CAL1336
<i>Tylopilus himalayanus</i>	Chakraborty <i>et al.</i>	Upper Chandmari, Sikkim, India	Myco Keys 33: 109 (2018)	CAL1649
<i>Tylopilus pseudoballoui</i>	Chakraborty <i>et al.</i>	Maenum Wildlife Sanctuary, South Sikkim, India	MycoKeys 33: 112 (2018)	CAL1650
<i>Xerocomus doodhcha</i>	Das <i>et al.</i>	Bansoi, North Sikkim, India	Mycologia 108(4): 756 (2016)	CAL1302

Species	Authors	Locality collected	Publication details	CAL accession number
<i>Xerocomus longistipitatus</i>	Das <i>et. al.</i>	Rabangla, South Sikkim, India	Mycosphere 8(1): 46 (2017)	CAL1394
<i>Xerocomus reticulostipitatus</i>	Hembrom <i>et. al.</i>	Dhakuri, Uttarakhand, India	Cryptog.Mycol.38(3): 397 (2017)	CAL1540
<i>Xerocomus uttarakhandae</i>	Das <i>et. al.</i>	Teka, Pauri, Uttarakhand, India	J. Fungi 9 (7, no. 754): 19 (2023)	CAL1928
Bondarzewiaceae				
<i>Bondarzewia indohimalayan</i>	Singh <i>et. al.</i>	Baniyakund, Rudraprayaag, Uttarakhand, India	Nova Hedwigia 109: 444 (2019)	CAL1771
<i>Bondarzewia zonata</i>	Das <i>et. al.</i>	Dombang, North Sikkim, India	Turk J Botany39: 129 (2015)	CAL1152
Callistosporiaceae				
<i>Anupama indica</i>	Raj <i>et. al.</i>	Mylanjjivalavu, Mallapuram Kerala, India	Mycol. Progr. 18(5): 662 (2019)	CAL1725
Canthrellaceae				
<i>Craterellus parvogriseus</i>	Singh <i>et. al.</i>	India, Uttarakhand, Pauri Garhwal, Adwani-teka	Cryptog.Mycol. 38(3): 359 (2017)	CAL1533
Clavariaceae				
<i>Clavaria cystidiata</i>	Krishnapriya & Kumar	India, Kerala, Kozhikode district, Chelavur, Thurayil	Mycotaxon 136(4): 728 (2022),	CAL1769
Clavulinaceae				
<i>Clavulina thindii</i>	U. Singh	India, Uttarakhand, Pauri-Garhwal, Gangoti-Adwani	Fungal Diversity: 10.1007/s13225-w, [209] (2019)	CAL1661
Cortinariaceae				
<i>Cortinarius dombangensis</i>	Das <i>et. al.</i>	Sikkim, North Dcistrict, Dombang Valley	Nordic JI Bot.(6): e03579, 7 (2022)	CAL1851
<i>Thaxterogaster shoreae</i>	Ghosh <i>et. al.</i>	India, Jharkhand, Sahibganj, Borio, Pir baba Kairasol forest	Taiwania 68(1): 27 (2023)	CAL1883
Crepidotaceae				
<i>Crepidotus palodensis</i>	C.K. Pradeep	India, Kerala, Thiruvananthapuram	Phytotaxa 372(1): 74 (2018)	CAL1680
<i>Crepidotus volubilis</i>	Pradeep & Kumar	India, Kerala, Thiruvananthapuram	Phytotaxa 372(1): 71 (2018)	CAL1679
Entolomataceae				
<i>Clitopilus albidus</i>	Raj & Manimohan	India, Kerala State, Thiruvananthapuram, Agastyamala Biosphere Reserve	Phytotaxa 343(1): 50 (2018)	CAL1319
<i>Entoloma brunneoapplanatum</i>	Raj & Manimohan	India, Kerala, Thrissur, Chalakudy, Athirapilly forest range	Phytotaxa 286(4): 237 (2016)	CAL1313
<i>Entoloma brunneoumbonatum</i>	Raj & Manimohan	India, Kerala, Malappuram, Calicut University Campus	Phytotaxa 286(4): 233 (2016)	CAL1317
<i>Entoloma flavostipitatum</i>	Pradeep & Vrinda	India, Kerala, Palode District, Thiruvananthapuram	Mycosphere 7(5): 643 (2016)	CAL1284
<i>Entoloma flavoquadratum</i>	Pradeep & Vrinda	India, Kerala, Kollam District	Mycosphere 7(5): 645 (2016)	
<i>Rhodocybe luteobrunnea</i>	Raj & Manimohan	India, Kerala, Thrissur, Peechi forest	Fungal Diversity 80: 242 (2016)	CAL1322
<i>Entoloma luteodiscum</i>	Raj & Manimohan	India, Kerala, Kozhikode, Poyilkavu Scared Grove	Phytotaxa 286(4): 235 (2016)	CAL1312

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<i>Entoloma magnum</i>	Raj & Manimohan	India, Kerala, Idukki, Munnar, Eravikulam National Park	<i>Fungal Diversity</i> 83: 165 (2017)	CAL1385
<i>Rhodocybe griseoaurantia</i>	Raj & Manimohan	India, Kerala, Wayanad, Muthanga Wildlife Sanctuary	<i>Fungal Diversity</i> 80: 243 (2016)	CAL1324
<i>Rhodocybe indica</i>	Raj & Manimohan	India, Kerala State, Kollam District	<i>Fungal Diversity</i> 80: 236 (2016)	CAL1323
<i>Rhodocybe rubrobrunnea</i>	Raj <i>et. al.</i>	India, Kerala, Kollam, Thenmala forest	<i>Persoonia</i> 37: 245 (2016)	CAL1387
Ganodermataceae				
<i>Ganoderma keralense</i>	Vinjusha & Kumar	India, Kerala, Kpozjikkod, Koyl-llandy, Arrikullam	<i>Mycologia</i> : 10.1080/00275514.2021.1974724, 7 (2021)	CAL1543
Gomphaceae				
<i>Gomphidius pseudoglutinosus</i>	Das <i>et. al.</i>	India, Sikkim, North district, Dombang valley	<i>Cryptog.Mycol.</i> 41(4): 78 (2020)	CAL1762
<i>Ramaria thindii</i>	Das <i>et. al.</i>	India, Sikkim, East district, Memeinchu	<i>Cryptog.Mycol.</i> 41(4): 88 (2020)	CAL1786
Gyroporaceae				
<i>Gyroporus paramjitii</i>	Das <i>et. al.</i>	India, Sikkim, East District	<i>Nordic JI Bot.</i> 35(6): 671 (2017)	CAL1542
Hericiaceae				
<i>Hericium rajendrae</i>	Singh & Das	India, Uttarakhand, Rudraprayag, Baniyakund Forest	<i>NovaHedwigia</i> 108(3–4): 509 (2018)	CAL1717
Hydnaceae				
<i>Craterellus shoreae</i>	Hembrom <i>et. al.</i>	India, Jharkhand, Rajmahal hills	<i>Phytotaxa</i> 306(3): 204 (2017)	CAL1396
Hydnagenaceae				
<i>Laccaria diospyricola</i>	Salna & Kumar	India, Kerala, Kannur, Poongottukavu sacred grooves	<i>Persoonia</i> 47: 329 (2021)	CAL1771
<i>Laccaria indohimalayana</i>	Das <i>et. al.</i>	India, Sikkim, South district	<i>Cryptog.Mycol.</i> 40(5): 65 (2019)	CAL1754
<i>Laccaria violaceotincta</i>	Latha <i>et. al.</i>	India, Kerala, Kollam, Kulathupuzha, Sasthanada	<i>Phytotaxa</i> 392(2): 141 (2019)	CAL1389
Hygrophoraceae				
<i>Gliophorus flavoviridis</i>	Singh <i>et. al.</i>	India, Uttarakhand, Rudraprayag, Pabdhhar	<i>Phytotaxa</i> 327(3): 286 (2017)	CAL1631
<i>Gliophorus glutinosus</i>	Das <i>et. al.</i>	India, Sikkim, South District, Thangse	<i>MycKeys</i> 44: 128 (2018)	CAL1682
<i>Hygrocybe boertmannii</i>	Singh & Bhatt	India, Uttarakhand, Rudraprayag, Baniyakund	<i>Fungal Diversity</i> 111: 247 (2021)	CAL1802
<i>Hygrocybe indica</i>	Latha & Manimohan	India, Kerala, Malappuram district, Calicut University	<i>Phytotaxa</i> 385(1): 19 (2018)	CAL1726
<i>Hygrocybe rajendrae</i>	Singh <i>et. al.</i>	India, Uttarakhand, Rudraprayag, Pabdhhar	<i>Nordic JI Bot.</i> 36(1–2): 2 (2017)	CAL1541
Hymenochaetaceae				
<i>Fulvifomes malaiyanurensis</i>	Sugantha <i>et. al.</i>	India, TamilNadu, Cuddalore, Malaiyanur	<i>Fungal Diversity</i> 117: 182 (2023)	CAL1681
<i>Hymenochaete boddingii</i>	Hembrom <i>et. al.</i>	India, Jharkhand, Sahibganj, Borio block	<i>Cryptog.Mycol.</i> 41(4): 83 (2020)	CAL1784
<i>Hymenochaete sharmae</i>	Hembrom <i>et. al.</i>	India, Jharkhand, Sahibganj, Taljhari Block	<i>Cryptog.Mycol.</i> 40(5): 58 (2019)	CAL1535

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<i>Phylloporia tamilnadensis</i>	Sridhar <i>et. al.</i>	India, Tamilnadu, Ranipet, Sholinghur Metukunnathur	Persoonia 47: 351 (2021)	CAL 1840
<i>Clitocybula sulcate</i> (<i>Leucoinocybe sulcate</i>)	Raj & Manimohan	India, Kerala, Kozhicode, district, Athole	Phytotaxa 208(1): 65 (2015); Fungal Biology 123(6): 442 (2019)	CAL1246
<i>Cyathus thindii</i>	Das <i>et. al.</i>	India, West Bengal, Howrah	Turk J Botany39: 2 (2015)	CAL1147
Inocybaceae				
<i>Crepidotus exiguous</i>	Kumar & Pradeep	India, Kerala, Thiruvananthapuram, Palode	<i>Mycol. Progr.</i> 21(1): 316 (2022)	CAL1758
<i>Crepidotus exilis</i>	Kumar & Pradeep	India, Kerala, Thiruvananthapuram, Palode	<i>Aust. Syst. Bot.</i> 33: 382 (2020)	CAL1767
<i>Crepidotus globisporus</i>	Kumar & Pradeep	India, Kerala, Thiruvananthapuram, Palode	<i>Aust. Syst. Bot.</i> 33: 386 (2020)	CAL1759
<i>Crepidotus indicus</i>	Kumar & Pradeep	India, Kerala, Thiruvananthapuram, Palode, Plavara	<i>Cryptog. Mycol.</i> 39(3): 290 (2018)	CAL1647
<i>Crepidotus tortus</i>	Kumar & Pradeep	India, Kerala, Thiruvananthapuram, Palode, Plavara	<i>Mycol. Progr.</i> 21(1): 312 (2022)	CAL1740
<i>Inocybe akirna</i> (<i>Inosperma akirnum</i>)	Latha & Manimohan	India, Kerala, Mallappuram, Calicut University Botanical Garden	<i>Mycologia</i> : 10.1080/00275514.2019.1668906, 19 (2019) <i>Inocybes of Kerala</i> 1: 125 (2017)	CAL1358
<i>Inocybe babruka</i>	Latha & Manimohan	India, Kerala, Wayanad, Kuruva Islets in River Kabani	<i>Inocybes of Kerala</i> 1: 66 (2017)	CAL 1344
<i>Inocybe brunneosquamulosa</i> (<i>Pseudosperma brunneosquamulosum</i>)	Latha & Manimohan	India, Kerala, Ernakulam, Thevakkal, Ponnakkudam Kavu Sacred Grove	<i>Fungal Diversity</i> 83: 174 (2017)	CAL1308
<i>Inocybe distincta</i> (<i>Nothocybe distincta</i>)	Latha & Manimohan	India, Kerala, Malappuram, Calicut University	<i>Phytotaxa</i> 267(1): 43 (2016)	CAL 1310
<i>Inocybe floccosistipitata</i>	Latha & Manimohan	India, Kerala, Ernakulam, Perumbavoor, Iringolkavu	<i>Inocybes of Kerala</i> 1: 75 (2017)	CAL1256
<i>Inocybe gregaria</i> (<i>Inosperma gregarium</i>)	Latha & Manimohan	India, Kerala, Ernakulam, Perumbavoor, Iringolkavu Sacred Grove	<i>Phytotaxa</i> 286(2): 110 (2016)	CAL 1309
<i>Inocybe griseorubida</i> (<i>Pseudosperma griseorubidum</i>)	Latha & Manimohan	India, Kerala, Ernakulam, Perumbavoor, Iringolkavu	<i>Phytotaxa</i> 221(2): 169 (2015)	CAL1253
<i>Inocybe insulana</i>	Latha & Manimohan	India, Kerala, Waynad district, kuruva islets on river Kabani	<i>Inocybes of Kerala</i> 1: 78 (2017)	CAL1258
<i>Inocybe kapila</i>	Latha & Manimohan	India, Kerala, Idukki, Munar, Mattupetti	<i>Inocybes of Kerala</i> 1: 72 (2017)	CAL1346
<i>Inocybe kurkuriya</i>	Latha & Manimohan	India, Kerala, Wayanad, Kuruva Islets in River Kabani	<i>Inocybes of Kerala</i> 1: 86 (2017)	CAL1352
<i>Inocybe kuruvensis</i>	Latha & Manimohan	India, Kerala, Wayanad, Kuruva Islets in River Kabani	<i>Mycologia</i> 108(1): 117 (2016)	CAL1361
<i>Inocybe luteobrunnea</i> (<i>Pseudosperma luteobrunneum</i>)	Latha & Manimohan	India, Kerala, Idukki district, Munnar	<i>Fungal Diversity</i> 83: 172 (2017)	CAL 1260
<i>Inocybe pingala</i>	Latha & Manimohan	India, Kerala, Ernakulam, Pooyamkutty	<i>Inocybes of Kerala</i> 1: 69 (2017)	CAL1345
<i>Inocybe rekhankitha</i>	Latha & Manimohan	India, Kerala, Ernakulam, Perumbavoor, Iringolkavu Sacred Grove	<i>Inocybes of Kerala</i> 1: 97 (2017)	CAL1356
<i>Inocybe rubrobrunnea</i> (<i>Pseudosperma rubrobrunneum</i>)	Latha & Manimohan	India, Kerala, Wayanad, Muthanga, Muthanga Wildlife Sanctuary	<i>Fungal Diversity</i> 83: 174 (2017)	CAL1307

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<i>Inocybe saraga</i> (<i>Inosperma saragum</i>)	Latha & Manimohan	India, Kerala, Wayanad, Muthanga Wildlife Sanctuary	Inocybes of Kerala 1: 133 (2017)	CAL1360
<i>Inocybe silvana</i>	Latha & Manimohan	India, Kerala, Waynad, kuruva islets on river Kabani	Inocybes of Kerala 1: 106 (2017)	CAL1259
<i>Inocybe snigdha</i>	Latha & Manimohan	India, Kerala, Wayanad, Muthanga Sanctuary	Inocybes of Kerala 1: 82 (2017)	CAL 1350
<i>Inocybe viraktha</i>	Latha & Manimohan	India, Kerala, Wayanad, Kuruva Islets in River Kabani	Inocybes of Kerala 1: 100 (2017)	CAL1357
<i>Rhodophana squamulosa</i>	Latha & Manimohan	India,Kerala,Malappuram, Nilambur	Mycoscience 57(2): 91 (2016)	CAL 1262
Laetiporaceae				
<i>Phaeolus sharmae</i>	Hembrom <i>et. al.</i>	India, Sikkim North, Yumyang Valley, Singba Rhododendron Sanctuary	Cryptog. Mycol. 43(2): 38 (2022)	CAL1843
Lyophallaceae				
<i>Calocybella babruka</i>	Raj & Manimohan	India, Kerala, Malappuram, Calicut University Campus	Phytotaxa 255(2): 137 (2016)	CAL1289
<i>Calocybella lohitha</i>	Raj & Manimohan	India, Kerala, Ernakulam, Iringolkavu Sacred grooves	Phytotaxa 255(2): 134 (2016)	CAL1288
<i>Calocybella swetha</i>	Raj & Manimohan	India,Kerala,Malappuram, Calicut University	Phytotaxa 255(2): 139 (2016)	CAL1290
<i>Lyophyllum agnijum</i>	Raj <i>et. al.</i>	India, Kerala, Wayanad, Kuruva Islets in River Kabani	Fungal Diversity 122: 357 (2023)	CAL1388
Marasmiaceae				
<i>Crinipellis odorata</i>	Latha & Manimohan	India, Kerala, Wayanad, Tholpetty, Wayanad Wildlife Sanctuary	Persoonia 36: 447 (2016)	CAL1240
<i>Gerronema keralense</i>	Latha & Manimohan	India, Kerala, Ernakulam, Pooyamkutty	Phytotaxa 364(1): 85 (2018)	CAL 1666
<i>Marasmiellus bicoloripes</i>	Latha <i>et. al.</i>	India, Kerala, Ernakulam, Pooyamkutty	Fungal Diversity 95: 198 (2019)	CAL1524
<i>Marasmiellus griseobrunneus</i>	Sharafudheen & Manimohan	India, Kerala, Calicut, Peruvanamuzhi forest	Phytotaxa 416(1): 29 (2019)	CAL 1752
<i>Marasmius cystidiatus</i>	Sharafadheen & Manimohan	India, Kerala,Mallapuram, Calicut Univ Botanical Garden	Phytotaxa 364(1): 93 (2018)	CAL1672
<i>Marasmius desjardinii</i>	Das <i>et. al.</i>	India, Sikkim, South District, Tinkitam	Kew Bull. 74(no. 19): 2 (2019)	CAL1561
<i>Marasmius indojasminodorus</i>	Dutta <i>et. al.</i>	India, West Bengal, Howrah	Fungal Diversity: 10.1007/s13225–w, [193] (2019)	CAL1514
<i>Marasmius indopurpureostriatus</i>	Das <i>et. al.</i>	India, Sikkim, East, Churten	Mycosphere 6(5): 563 (2015)	CAL 1297
<i>Marasmius odoratus</i>	Farook & Manimohan	India, Kerala, Palakkad, Silent Valley National Park	Phytotaxa 227(3): 277 (2015)	CAL1264
<i>Marasmius pseudohypochroides</i>	Das & Antonin	India, Sikkim South, Daze	Cryptog. Mycol. 39(2): 232 (2018)	CAL1628
Mycenaceae				
<i>Cruentomyцена uttarakhandina</i>	Singh & Bhatt	India, Uttarakhand, Pauri district, Chaurikhal	Fungal Diversity 111: 258 (2021)	CAL 1800

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Omphalotaceae				
<i>Rhodocollybia brevipes</i>	Raj & Manimohan	India, Kerala, Ernakulam, Munnar, Mattupetty	Phytotaxa 340(2): 161 (2018)	CAL 1525
<i>Rhodocollybia ciliatomarginata</i>	Latha & Manimohan	India, Kerala, Waynad, Kuruva Islets	Phytotaxa 340(2): 159 (2018)	CAL1244
Pleurotaceae				
<i>Hohenbuehelia odorata</i>	Pradeep & Bijesh	India, Kerala, Thiruvananthapuram	Phytotaxa 420(1): 58 (2019)	CAL 1790
<i>Pleurotus shentelii</i>	Mehmood <i>et al.</i>	India, Laddakh, Kargil, Pandrass	Taiwania 68(1): 92 (2023)	CAL1855
Psathyrellaceae				
<i>Parasola parvula</i>	Ganga & Manimohan	India, Kerala, Thrissur, Chimmini	Phytotaxa 369(4): 262 (2018)	CAL1667
<i>Parasola psathyrelloides</i>	Ganga & Manimohan	India, Kerala, Kollam, Thenmala forest	Phytotaxa 405(5): 257 (2019)	CAL1753
Russulaceae				
<i>Lactarius atrii</i>	Van de Putte & Das	India, Sikkim, North Sikkim, Dombang Valley	Fungal Biology 120(12): 1561 (2016)	CAL1276
<i>Lactarius bhaderwahensis</i>	Verma <i>et al.</i>	India, Jammu & Kashmir, Bhadarwah, Chatterghala	Nordic JI Bot.: 10.1111/njb.0379	CAL 1885
<i>Lactarius brunneoaurantiacus</i>	Das & Bera	India, East Sikkim, Tugha Valley	Nordic JI Bot. 38(11): njb.02940, 4 (2020)	CAL 1805
<i>Lactarius crassostipes</i>	Verma <i>et al.</i>	India, J&K, Doda Bhaderwah, Chatergala	Microsc. Res. Tech.: 10.1002/jemt. 24661, 3 (2024)	CAL 1952
<i>Lactarius dirkii</i>	Uniyal <i>et al.</i>	India, Uttarakhand, Rudraprayag, Baniyakund	Fungal Diversity 80: 253 (2016)	CAL 1332
<i>Lactarius dombangensis</i>	Verbeken & Van de Putte	India, Sikkim, North Sikkim, Dombang Valley	Fungal Biology 120(12): 1567 (2016)	CAL 1275
<i>Lactarius drassinus</i>	Verma <i>et al.</i>	India, laddakh, Kargil, Dras	Phytotaxa 500(4): 260 (2021)	CAL 1837
<i>Lactarius ferruginascens</i>	Das & Verbaken	India, Sikkim East, Kyangnosla Alpine Wildlife Sanctuary	Cryptog. Mycol. 38(4): 456 (2017)	CAL1512
<i>Lactarius flavocarpus</i>	Verma <i>et al.</i>	India, J&K, Doda Bhaderwah, Chatergala	Microsc. Res. Tech.: 10.1002/jemt. 24661, 6 (2024)	CAL 1951
<i>Lactarius indoaquosus</i>	Das <i>et al.</i>	India, Sikkim South, Maenam Wildlife Sanctuary	Cryptog. Mycol. 38(4): 460 (2017)	CAL1513
<i>Lactarius indoevosmus</i>	Mehmood <i>et al.</i>	India, Laddakh, Kargil, Sankoo	Phytotaxa 541(2): 167 (2022)	CAL 1867
<i>Lactarius indohirtipes</i>	Verma <i>et al.</i>	India, Jammu and Kashmir	Eur J Taxon 947: 180 (2024)	CAL1918
<i>Lactarius indoscrobiculatus</i>	Das <i>et al.</i>	India, Sikkim, North District, Dombang Valley	Nordic JI Bot. 38(11, e02940): 7 (2020)	CAL 1776
<i>Lactarius indoviolaceus</i>	Bera & Das	India, Arunachal Pradesh, West Kameng	Phytotaxa 576(2): 206 (2022)	CAL 1876
<i>Lactarius indozonarius</i>	Uniyal <i>et al.</i>	India, Uttarakhand, Pauri Garhwal, Chaubatta	Cryptog. Mycol. 39(4): 471 (2018)	CAL 1633
<i>Lactarius kanadii</i>	Verma <i>et al.</i>	India, Jammu & Kashmir, Samanamanj	Phytotaxa 541(2): 172 (2022)	CAL 1868
<i>Lactarius keralensis</i>	Farook & Manimohan	India, Kerala, Pallakkad, Silent Valley National Park	Phytotaxa 246(1): 71 (2016)	CAL 1281
<i>Lactarius kumaonensis</i>	Uniyal <i>et al.</i>	India, Uttarakhand, Bageshwar, Dhakuri Loharkhet Trek	Nordic JI Bot. 35(6): 726 (2017)	CAL 1400
<i>Lactarius lachungensis</i>	Verbeken & Van de Putte	India, Sikkim, North Sikkim, Lachung	Fungal Biology 120(12): 1569 (2016)	CAL1280
<i>Lactarius nodulisporus</i>	Uniyal <i>et al.</i>	India, Uttarakhand, Bageshwar, Dhakuri	Phytotaxa 338(3): 258 (2018)	CAL 1663

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<i>Lactarius olivaceopallidus</i>	Uniyal <i>et al.</i>	India, Uttarakhand, Pauri Garhwal, Chaubatta	Fungal Diversity: 10.1007/s13225-w, [216] (2019)	CAL1401
<i>Lactarius rajmahalensis</i>	Hembrom <i>et al.</i>	India, Jharkhand, Rajmahal hills, Sahibganj, Dhogada santyalii forest	Cryptog.Mycol. 38(1): 116 (2017)	CAL 1508
<i>Lactarius sarthalanus</i>	Verma <i>et al.</i>	India, Jammu & Kashmir, Kathua, Sarthal Bani	Phytotaxa 500(4): 256 (2021)	CAL 1838
<i>Lactarius sharmai</i>	Verma <i>et al.</i>	India, Jammu and Kashmir	Eur J Taxon 947: 183 (2024)	CAL 1919
<i>Lactarius sikkimensis</i>	Verbeken & Das	India, Sikkim, Dombang Valley	Fungal Biology 120(12): 1572 (2016)	CAL 1274
<i>Lactarius singeri</i>	Uniyal <i>et al.</i>	India, Uttarakhand, Rudraprayag, Chopta Baniyakund	Phytotaxa 338(3): 260 (2018)	CAL1662
<i>Lactarius viridinigrellus</i>	Das <i>et al.</i>	India, Sikkim East, Gnathang Forest	Phytotaxa 415(1): 59 (2019)	CAL 1765
<i>Lactarius vesterholtii</i>	Das & Chakraborty	India, Sikkim North, Bnsoi	Mycotaxon 129(2): 478 (2015) [2014]	CAL 1158
<i>Lactifluus indicus</i>	Raj & Manimohan	India, Kerala, Kozhikode District, Malabar Botanic Garden	Phytotaxa 246(1): 69 (2016)	CAL1282
<i>Lactifluus indovolemus</i>	Bera & Das	India, Arunachal Pradesh, West Kameng, Dirang	Nordic JI Bot. 37(10): e02483, 4 (2019)	CAL 1778
<i>Lactifluus kanadii</i>	Bera <i>et al.</i>	India, Arunachal Pradesh, West Kameng, Dirang, Beber Thanka	Persoonia 46: 477 (2021)	CAL 1826
<i>Lactifluus maenamensis</i>	Das <i>et al.</i>	India, Sikkim, East District, Meanam Wildlife Sanctuary	Cryptog.Mycol. 38(3): 364 (2017)	CAL1606
<i>Lactifluus rajendrae</i>	Uniyal <i>et al.</i>	India, Uttarakhand, Hariyali Devi Forest	Phytotaxa 278(3): 260 (2016)	CAL 1287
<i>Lactifluus tropicalis</i>	Ghosh <i>et al.</i>	India, Westbengal, Jhargram	Phytotaxa 564(3): 284 (2022)	CAL 1873
<i>Lactifluus umbonatus</i>	Latha & Manimohan	India, Kerala, Iringolkaru sacred grooves, Ernakulam	Phytotaxa 246(1): 65 (2016)	CAL 1241
<i>Leucoagaricus callainitinctus</i>	Latha <i>et al.</i>	India, Kerala, Malappuram, Mylanivolva	Phytotaxa 442(2): 113 (2020)	CAL 1799
<i>Rhodocybe brunneoaurantiaca</i>	Dutta <i>et al.</i>	India, West Bengal, Burdwan, near Mahisnga	Nordic JI Bot. 39(6): e03061, 5 (2021)	CAL 1825
<i>Russula adwanitekae</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Pauri Garhwal, Adwani Teka Forest	Eur J Taxon 782: 161 (2021)	CAL 1821
<i>Russula alatoreticula</i>	Acharya <i>et al.</i>	India, West Bengal, West Midnapur, Gurgulipal forest	PLoS ONE 12(5): e0178050, 8 (2017)	CAL1271
<i>Russula ashihoi</i>	Das <i>et al.</i>	India, Sikkim East, Gnathang	Nordic JI Bot. 38(11): 3 (2020)	CAL 1813
<i>Russula aureorubra</i>	Das <i>et al.</i>	India, Sikkim East, Meanam Wildlife Sanctuary	Cryptog.Mycol. 38(3): 382 (2017)	CAL 1605
<i>Russula baniyakundensis</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Rudraprayag, Baniyakund	Phytotaxa 483(3): 249 (2020)	CAL 1806
<i>Russula boddingii</i>	Hembrom <i>et al.</i>	India, West Bengal, Jhargram, Lalgah, Karamsol	Cryptog. Mycol. 44(3): 34 (2023)	CAL 1860
<i>Russula butyroindica</i>	Das & Buyck	India, Sikkim, South District, Maenam Wildlife Sanctuary	Nova Hedwigia 106(3–4): 298 (2017) [2018]	CAL 1511
<i>Russula choptae</i>	Ghosh & Das	India, Uttarakhand, Rudraprayag district, Chopta	Fungal Diversity: 10.1007/s13225-w, [223] (2019)	CAL1658
<i>Rusulla compactoides</i>	Das <i>et al.</i>	India, Sikkim, East district, Between Kyangnosla & Changu	Cryptog.Mycol. 38(4): 538 (2017)	CAL1639
<i>Russula darjeelingensis</i>	Paloi <i>et al.</i>	India, West Bengal, Darjeeling District, Near Love Road	Phytotaxa 358(1): 84 (2018)	CAL 1609
<i>Russula gnathangensis</i>	Das <i>et al.</i>	India, Sikkim	Cryptog.Mycol. 39(4): 401 (2018)	CAL1733
<i>Russula indoalba</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Rudraprayag, Baniyakund	Fungal Diversity 80: 251 (2016)	CAL1328
<i>Russula indoarmeniaca</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Baniyakund	Mycosphere 7(6): 779 (2016)	CAL 1393
<i>Russula indocatillus</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Baniyakund, Chopta	Nova Hedwigia 111(1–2): 124 (2019)	CAL 1797

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<i>Russula indohimalayana</i>	Das <i>et al.</i>	India, Sikkim, East District, Kyangnosla	Cryptog.Mycol. 39(4): 405 (2018)	CAL1729
<i>Russula indoilicis</i>	Altaf <i>et al.</i>	India, J&K, Anantnag district, Akingem	Nordic JI Bot.(1, e03452): 4 (2021)	CAL 1849
<i>Russula indonigra</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Rudraprayag, Jakhdhar	Nordic JI Bot. 38(11): 7 (2020)	CAL 1815
<i>Russula indosenecis</i>	Ghosh <i>et al.</i>	India, Arunachal Pradesh, Tawang, PT So Lake	Eur J Taxon 847: 108 (2022)	CAL1856
<i>Russula intervenosa</i>	Paloi <i>et al.</i>	India, West Bengal, West Midnapur, Lodhasuli forest	Persoonia 36: 445 (2016)	CAL1272
<i>Russula kanadii</i>	Dutta & Acharya	India, West Bengal, Gurguripal forest, West Midnapur	Turk J Botany39(5): 853 (2015)	CAL 1162
<i>Russula kewzingensis</i>	Das <i>et al.</i>	India, Sikkim, South District, Kewzing	Cryptog.Mycol. 38(4): 527 (2017)	CAL 1636
<i>Russula lakhanpali</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Pauri, Garhwal District	Nova Hedwigia 111(1–2): 118 (2019)	CAL1795
<i>Russula obscuricolor</i>	Das <i>et al.</i>	India, Sikkim, South District, Maenamwildlife Sanctuary	Cryptog.Mycol. 38(3): 388 (2017)	CAL 1602
<i>Russula olivaceohimalayensis</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Pauri District, Pedkhal	Fungal Diversity 99: 416 (2019)	CAL 1659
<i>Russula pauriensis</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Pauri district, Pedkhal	Cryptog.Mycol. 38(3): 392 (2017)	CAL 1608
<i>Russula petersenii</i>	Ghosh & Das	India, Uttarakhand, Bagehshwar, Dhakuri	Phytotaxa 323(3): 245 (2017)	CAL 1555
<i>Russula pseudoamoenicolor</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Paurigarhwal, Along the side Khirsu	Fungal Diversity 80: 252 (2016)	CAL 1330
<i>Russula pseudocompacta</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Pauri district, Pedkhal	Cryptog.Mycol. 38(4): 534 (2017)	CAL 1641
<i>Russula pseudoflavida</i>	Ghosh <i>et al.</i>	India, West Bengal, Jhargram District, Tuluha	Cryptog.Mycol. 44(3): 38 (2023)	CAL 1862
<i>Russula pseudokrombholzii</i>	Das <i>et al.</i>	India, Sikkim	Cryptog.Mycol. 39(4): 409 (2018)	CAL1731
<i>Russula pseudosenecis</i>	Ghosh <i>et al.</i>	India, West Bengal, Bankura District, Joypur forest	Eur J Taxon 847: 112 (2022)	CAL 1858
<i>Russula purpureozonata</i>	Das <i>et al.</i>	India, Sikkim East, Memeinchu	Eur J Taxon 782: 164 (2021)	CAL 1817
<i>Russula rajendrae</i>	Ghosh, & Das	India, Uttarakhand, Rudraprayag, Baniyakund	Phytotaxa 323(3): 240 (2017)	CAL1554
<i>Russula sarnarii</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Rudraprayag, Hariyalidevi forest	Curr. Res. Envir. & App. Myc. 7(2): 66 (2017)	CAL 1395
<i>Russula shoreae</i>	Chakraborty <i>et al.</i>	India, West Bengal, Jhargram District, Lodhasulii	Cryptog. Mycol. 44(3): 44 (2023)	CAL 1864
<i>Russula subalpinogrisea</i>	Das <i>et al.</i>	India, Sikkim	Cryptog.Mycol. 39(4): 412 (2018)	CAL 1735
<i>Russula uttarakhandia</i>	Ghosh <i>et al.</i>	India, Uttarakhand, Rudraprayag, Baniyakund	Fungal Diversity: 10.1007/s13225–w, [229] (2019)	CAL 1537
<i>Russula xerampelinoides</i>	Das <i>et al.</i>	India, Sikkim, North district, Yumthang Valley	Cryptog.Mycol. 42(5): 81 (2021)	CAL 1819
<i>Rhodocybe brunneoaurantica</i>	Dutta <i>et al.</i>	India, West Bengal, Burdwan, near Mahisnga	Nordic JI Bot. 39(6): e03061, 5 (2021)	CAL 1825
Sarcostomataceae				
<i>Urnula himalayana</i>	Das & Chakraborty	India, Sikkim	Cryptog.Mycol. 39(2): 249 (2018)	CAL 1673
Suillaceae				
<i>Suillus adhiarii</i>	Das <i>et al.</i>	India, Sikkim North, Dombanhg	Phytotaxa 219(3): 290 (2015)	CAL 1248

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Thelephoraceae				
<i>Thelephora sikkimensis</i>	Das <i>et al.</i>	India, Sikkim, South District, Maenam wildlife Sanctuary	Nova Hedwigia 107 (3–4): 341 (2018)	CAL 1600
Tricholomataceae				
<i>Resupinatus odoratus</i>	Pradeep <i>et al.</i>	India, Kerala, Thiruvananthapuram, Palode	Phytotaxa 464(2): 170 (2020)	CAL1804
Tubariaceae				
<i>Tubaria keralensis</i>	Latha & Manimohan	India, Kerala, Palakkad, Silent Valley National Park Buffer zone	Phytotaxa 278(3): 290 (2016)	CAL1311
Vuilleminiaceae				
<i>Vuilleminia tropica</i>	Hembrom <i>et al.</i>	India, Jharkhand, Rajmahal hills, Sahibganj, Brindaban, Joshkuti	Cryptog. Mycol. 43(2): 54 (2022)	CAL1845
Xylariaceae				
<i>Poronia radicata</i>	Hembrom <i>et al.</i>	India, West Bengal, Howrah	Curr. Res. Envir. & App. Myc. 3(2): 183 (2013)	CAL1140

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