

PROFILE

NAME: DR.RASHMI DUBEY

DESIGNATION: SCIENTIST 'E'

YEAR OF BIRTH: 1975

FIELD OF SPECIALIZATION: MYCOLOGY

SPECIAL INTEREST: MICROFUNGI

PRESENTLY WORKING ON FAMILY / TRIBE / GENUS OR FLORA OF (AREA):

Taxonomic Studies of Microfungi of Sanjay Gandhi National Park, along with its 10% peripheral areas.

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ON GOING OTHER PROJECTS:

1. Morphological and Molecular characterisation of Terrestrial litter Fungi of North Western Ghats of India (SERB – DST funded project)
2. Working as Co-PI "Biodiversity Assessment through long term monitoring plots in Indian Himalayas Landscape"- (NMHS funded project)

COMPLETED PROJECTS:

1. **Foliicolous Fungi of Maharashtra:** The report incorporates two Vols. with Morphotaxonomic description of 336 species belonging to 189 fungal genera. Many new findings viz. (One new genus, 15 new fungal species, one new variety, 30 fungal taxa as new additions to Fungi of India. 114 fungal taxa as new to Fungi of Maharashtra and besides this, 387 new host records were also mentioned in this report. In addition to this, the report also highlights the distribution and level of parasitism of various Host specific fungal species; Distribution of fungal in different forest ecosystems of Maharashtra, Categorisations of entire foliicolous fungi (336 sp.) based on the disease symptoms in form of charts, Tables and Bar Diagram. Database of 242 host plant species being parasitized by 544 fungal isolates were also highlighted in the report.
2. **Taxonomic Studies of Microfungi of Biligiri Rangaswamy Temple Wildlife Sanctuary, Karnataka.:**

A total of 216 fungal species were documented. Within this project revealed 1 new genus and 4 new species were documented.

LIST OF PUBLICATIONS:

A. Research articles/papers:

1. Chatterjee Sengupta Shreya, Dubey Rashmi *Elotespora indica* - A new and unusual species of hyphomycetes from India. *Mycoscience* 60 (2019) 271-273
2. DUBEY RASHMI AND AMIT D. PANDEY. 2019. Statistical analysis of foliicolous fungal biodiversity of Konkan region, Maharashtra, India: A novel approach. *Plant Pathology & Quarantine* 9(1): 77–115.
3. DUBEY RASHMI. 2018. *Thirumalacharia thanensis* sp.nov- A new species of anamorphic Ascomycota from Maharashtra, India. *Species*, 19, 1-3.
4. DUBEY RASHMI. 2018. *Temerariomyces indicum* - a new species of sporodochial fungus from Sanjay Gandhi National Park, Mumbai, India. *Journal on New Biological Reports* JNBR 7(2) 106 – 108.
5. DUBEY RASHMI AND A.D. PANDEY 2017. Percentage distribution of foliicolous fungi of Maharashtra, India with respect to their disease symptoms: a novel study. *Mycologia Iranica* 4(2): 103 – 120.
6. DUBEY RASHMI. 2017. *Periconia chandoliensis* - A new microfungus from Western Ghats of India" in *Journal of Mycopathological Research* Vol.55 No.1 pp.101-104
7. DUBEY RASHMI AND SHREYA SENGUPTA. 2016. *Stigmina koyanensis* – a new conidial fungus from Western Ghats of India. *Plant Pathology & Quarantine* 6(1): 54–58 (2016).
8. DUBEY RASHMI AND SHREYA SENGUPTA. 2016. *Tripospermum melghatensis*- A new F anamorphic fungus from Melghat Tiger Reserve, Maharashtra, India. *JNBR* 5(2).103-105.
9. SENGUPTA SHREYA AND RASHMI DUBEY. 2016. *Colemaniella biligiriense* sp.nov. – a new hyphomycetous fungus from Western Ghats of India” in *Current Research in Environmental & Applied Mycology (CREAM)* 6(3): 197 – 201 (2016).
10. DUBEY RASHMI AND SHREYA SENGUPTA. 2015 : “Western Ghats of India throws up a rarely reported Fungus - *Exosporium Monanthotaxis Piroz*.” *Journal of Threatened Taxa* 1. 8(11): 9394-9396 (2016).
11. DUBEY RASHMI. 2016. Diversity of Microfungi of North Western Ghats” published in *Indian Journal of Forestry* 39 (2): 137 – 145 (2016).
12. DUBEY RASHMI and Shreya sengupta (2015). *Sporidesmium bilgiriense* - A new species of microfungi from Western Ghats of India *Current Research in Environmental & Applied Mycology* 5 (4): 390–393(2015).
13. DUBEY RASHMI. 2015. “Diversity spectrum of Microfungi from Western ghats of India”. *Indian Journal of Forestry*.
14. DUBEY RASHMI. 2014. First Report of *Ardhachandra critaspora* (Matsush.) Subram. & Sudha on *Leea indica* (Burm. f.) Merr. and *Syzygium cumini* Skeels. Lam. from Western Ghats, India. *Journal on New Biological reports* 3(1):1-3.

15. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2014. *Phragmospathula brachyspathula* Mercado – A record of anamorphic fungi from Western Ghats, India”– *NEBIO- An International Journal of Environment and Biodiversity*. Vol.5 (1):25-27.
16. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2014. *Sheathnema indicum* gen. et sp. nov.- a new sooty mold fungus from Northern Western Ghats, India. – *Journal of Threatened taxa*- 6(12): 6549-6555.
17. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2014. “*Solicorynespora matheranensis* sp. nov.- A New species of *Solicornespora* from Indian Subcontinent.” in *NeBIO - An International Journal of Environment and Biodiversity*. 5 (4): 15-18.
18. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2014. *Vermiculariopsiella papaye* sp. nov.- A new species of *Vermiculariopsiella* from Western Ghats, India in “*International Journal of Scientific Research*. 3(6):35-36.
19. DUBEY RASHMI. 2014. Two new species of *Zygosporium* Mont. from Indian Subcontinent. *Indian Journal of Forestry*. Vol.37 (2):165-168.
20. DUBEY RASHMI and Neelima AM. 2014. *Goosiomycetes bambusicola* - A new cheirosporous anamorphic species from Western Ghats, India. *Current Research in Environment and Applied Mycology* (CREAM) 4(2):211-216.
21. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2014. *Solicorynespora matheranensis* sp. nov.- A New species of *Solicornespora* from Indian Subcontinent. *NeBIO - An International Journal of Environment and Biodiversity*. 5 (4): 15-18.
22. DUBEY RASHMI AND NEELIMA AM .2014. Some New Records of conidial Fungi for India. *Journal on New Biological Reports* 3(3):200-203.
23. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2013. *Acarocybellina arengae* (Matsush.) Subram. A New Generic and species record for India. *Indian Phytopath.*. 66 (3): 326-327.
24. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2013. *Vizella oleariae* Swart Infecting *Ixora coccinea* L. – A New Record of Ascomycetes for India. In *Journal of Mycology and Plant Pathology*. Vol. 43, No.3, 2013:399-400.
25. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2013. Occurrence of *Pithomyces ellisi* Rao & Chary on *Carissa congesta* Wt. from India- a New record. *Journal of new biological reports* 2(1):14-16.
26. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2013. First Report of *Cucurbitodthis pithyophila* on *Dracena fragrans* L. from India. *J.Mycol & Pl.Pathol.* Vol.43 (4), 489-490
27. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2013. Hyperparasitism of *Isthmospora spinosa* Stevens and *Spiropes melanoplaca* (Berk. & Curtis) Ellison *Meliola tylophorae* – *indicae* Hosag. parasitizing *Tylophora indica* (Burm. f.) Merrill from India"- A New Record. *Journal of New Biological report*. 2(1): 64-66.
28. DUBEY RASHMI AND NEELIMA A. MOONAMBETH 2013 . Some New Host Records for Dematiaceous fungi from Western Ghats, India.” *Nelumbo* 55: 219-221.

29. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2013. *Tharoopama livistona* sp. nov.- A New Synematos Hyphomycetes from India. *Indian Journal of Forestry*. Vol.36 (3):383-386., 2013.
30. DUBEY RASHMI and A.K. Pandey 2013. *Stachybotrys citri* sp. nov. and *Volutella rauwolfii* sp. nov. – Two novel dematiaceous hyphomycetes from India. *Indian Phytopath.* 66 (2): 204-203.
31. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2013. *Kamalomyces mahabaleshwarensis*” sp. nov. (Tubeufiaceae) from the Western Ghats, India” in *Mycosphere* 4 (4): 760–764.
32. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2013. *Custingophora ratnagiriensis* sp.nov. – A novel species of *Custingophora* from Konkan, India. (2013). *NeBIO - An International Journal of Environment and Biodiversity*. Vol. 4(6):31-32.
33. DUBEY RASHMI & NEELIMA A. MOONAMBETH. 2013. *Sawantomyces*– A New hyphomycetes genus from Western Ghats, India. *Journal on New biological Reports* 2(3) 234-237.
34. DUBEY RASHMI AND NEELIMA A. MOONAMBETH. 2013. “*Physopella hiratsukae* (Syd.) Cummins & Ramachar – A New species Record of Rust fungus from India”. *Journal on New Biological Reports* 2(2):124:126.
35. DUBEY RASHMI, A.K. PANDEY AND MANOHARACHARY, C. 2011. *Beltramono*- a hitherto undescribed hyphomycetes genus. *J. Mycopathol. Res.* 49(2): 321-324
36. DUBEY RASHMI AND A.K. PANDEY. 2011. *Curvularia oscimi* sp. nov. – A Novel Species of *Curvularia* from India. *J. Mycol. Pl. & Pathol.* Vol 41 (2) 335-336.
37. DUBEY RASHMI AND A.K. PANDEY. 2011. *Bispora aegeli*- A New dematiaceous Hyphomycetes from India. *J. Mycopathol. Res.* 49(2). 357-359.
38. DUBEY RASHMI AND A.K. PANDEY. 2011. *Cercosporidium ziziphus* sp. nov.- A New folicolous Hyphomycetes from India. *J. Mycol. Pl. & Pathol.* Vol 41 (2) 337-339.
39. DUBEY RASHMI AND A.K. PANDEY. 2011. New species of *Scytalidium* Pesante and *Sporidesmium* Link ex Fries from India. *Nelumbo* 53: 1-6.
40. DUBEY RASHMI AND A.K. PANDEY. 2011. *Pseudoacrodictys steviae*- A New Generic and species record from India. *J. Mycol & Pl. Pathol.* Vol. 42 (2): 251-253.
41. DUBEY RASHMI AND A.K. PANDEY. 2011. *Corynespora andrographi* sp. nov. – A New dematiaceous Hyphomycete from India. *J. Basic and Appl. Mycol.* Vol 10 (I & II) 64-66:
42. PANDEY, A.K., JAMALUDDIN, RASHMI DUBEY, A.K. AWASTHI AND AMIT PANDEY. 2011. Mycoflora isolated from the soil of sugar cane Industries of Madhya Pradesh. *Journal of Environmental Science, Computer science and Engineering & Technology* Vol.2 (1):13-18.

43. DUBEY RASHMI AND A.K. PANDEY (2011). First report of Leaf spot disease of *Acorus calamus* caused by *Helminthosporium microsorum* in India. *J. Mycol. Pl. & Pathol.* Vol. 41 (1): 141-142.
44. DUBEY RASHMI AND A.K. PANDEY. 2011. First record of *Acremonium alternatum* on *Embllica officinalis* in India. *J. Mycol. Pl. & Pathol.* Vol. 41 (1): 126-128.
45. DUBEY RASHMI AND A.K. PANDEY. 2011. Detection of *Annellophragmia coonoorensis* Subram. - A New record of sooty mold fungi of *Butea monosperma* (Lam.) Taub. *J. Mycol. Pl. & Pathol.* Vol. 42(4):526-528.
46. A.K. Awasthi, RASHMI DUBEY AND A.K. PANDEY. 2010. Diversity of Fungi in Effluents of sugar Industries of Madhya Pradesh. *International Journal of Environmental Sciences.* Vol.1 (5):834-838.
47. DUBEY RASHMI AND A.K. PANDEY 2010. *Merismella* – A New Generic record for India. *J. Mycopathol. Res* Vol. 48(2): 397-401.
48. DUBEY RASHMI AND A.K. PANDEY 2009. *Hormisciomyces* – A New Generic record for India. *J. Mycopathol. Res.* 47(1):67-69
49. DUBEY RASHMI AND A.K. PANDEY. 2009. Foot and root rot of *Aloe vera* caused by *Sclerotium rolfsii* – A new report from India. *J. Mycol. Pl. & Pathol.* Vol.39 (2): 300-301.
50. DUBEY RASHMI AND A.K. PANDEY. 2008. *Tripospermum butae* sp. nov. – A New Ectoparasitic Hyphomycetes from India *J. Mycol. Pl. Pathol* Vol.3 (3): 611-613.
51. DUBEY RASHMI AND A.K. PANDEY. 2008. Occurrence of *Psuedocercospora centelli* sp. nov. causing Leaf spot disease of *Centella asiatica*- A New Report from India. *J. Mycol. Pl. Pathol* Vol.3(3) :514-516
52. DUBEY RASHMI AND A.K. PANDEY. 2008. First Report of *Rhizoctonia solani* causing Blight Disease of *Phyllanthus niruri*. *J. Mycol. Pl. Pathol.* 38 (1) 138-140.
53. DUBEY RASHMI AND A.K. PANDEY 2008. Some new records of fungi and medicinal plants combinations from India. *J. Basic Appl. Mycol.*7 (I&II):119-123.
54. DUBEY RASHMI AND A.K. PANDEY.(2008). Some New Indian records of Fungi Associated with Medicinal Plants. *Indian Phytopathology* Vol. 63 (3):356.
55. PANDEY A.K. AND RASHMI DUBEY 2007. Forest and Tribals- An unbreakable linkage. In: *Tribal Scenaria* (Eds. L. Shrivastava). Shree Publishers & Distribushers, New Delhi -110002. ISBN: 81-8329-194-5.
56. GAUTAM, S.P., PANDEY, A.K. AND RASHMI DUBEY. (2007). Mycoflora of Medicinal plants of Madhya Pradesh: An Overview. In: *Threatened wild medicinal plants, Assessment, Conservation and Management.* (Eds. P.K. Shukla & O.P. Chaubey). Anmol Publications Pvt. Ltd. New Delhi- 110002. ISBN: 978-81-26-3405-2.
57. DUBEY RASHMI AND A.K. PANDEY. 2007. *Ravenelia aloii* sp. nov.- A new Rust Pathogen of *Aloe vera* in plains of India. *J. Mycol. Pl. Pathol.* 37(3): 495-498.

58. DUBEY RASHMI AND PANDEY, A.K. 2005. A new leaf spot disease of *Costus speciosus*. *J. Basic Appl. Mycol.* 4 (I & II): 30-31.
59. DUBEY RASHMI AND PANDEY, A.K. 2006. *Chaetomium globosum*- A new pathogen inciting root rot disease of *Asparagus racemosus*. *J. Basic Appl. Mycol.* 5 (I & II): 54-5.

B. Books:

NIL

C. Book chapters:

1. GAUTAM, S.P., A.K. PANDEY, AND RASHMI DUBEY. 2007. Mycoflora of Medicinal plants of Madhya Pradesh: An Overview. In: *Threatened wild medicinal plants, Assessment, Conservation and Management*. (Eds. P.K. Shukla & O.P. Chaubey). Anmol Publications Pvt. Ltd. New Delhi- 110002. ISBN: 978-81-26-3405-2.

D. Hindi articles:

2. RASHMI DUBEY AND NEELIMA A. MOONAMBETH. 2013. माकोराईजा – पौधों और कवक के बीच एक पारस्परिक सहजीविता . VANSPATIVANI - Vol.22: 35-37.

E. Popular articles:

1. **RASHMI DUBEY** 2016. BSI throws light on States Floral Updates. Times of India- Pune Mirror.
2. **Rashmi Dubey.** 2015 Sawantwadi throws up 2 new fungal species. The Times of India, Pune.

F. SIGNIFICANT CONTRIBUTIONS:

A. New taxa described:

New Fungal Genera: 03

1. *Sheathnema indicum* Dubey & Moonambeth, 2013
2. *Sawantomyces indica* Dubey & Moonambeth, 2013
3. *Betramono costei* Dubey, Pandey ad Manoharachary, 2009

NEW SPECIES PUBLISHED: 27 SPECIES

1. *Elotespora indica* R. Dubey & S. Sengupta Chatterjee, 2019
2. *Temerariomyces indicum* Dubey 2018
3. *Thirumalacharia thanensis* Dubey 2018
4. *Periconia chandoliensis* Dubey 2017
5. *Tripaspermum melghatensis* Dubey & Sengupta, 2016
6. *Stigmata koyanensis* Dubey & Sengupta, 2016

7. *Colamaniella biligiriensis*, Dubey & Sengupta 2016
8. *Cercosporidium ziziphus* Dubey and Pandey, 2014
9. *Goosiomycetes bambusicola* Dubey & Moonambeth, 2014
10. *Solicorynespora matheransii* Dubey & Moonambeth, 2014
11. *Vermiculariopsiella papayae* Dubey & Moonambeth, 2014
12. *Zygosporium cocos* Dubey, 2014
13. *Kamalomycetes mahabaleshwariensis* Dubey & Moonambeth, 2013
14. *Zygosporium dilleni* Dubey, 2014
15. *Custingophora ratnagiriensis* Dubey & Moonambeth, 2013
16. *Tharoopama livistonae* Dubey & Moonambeth, 2013
17. *Scytalidium zapotii* Dubey and Pandey, 2011
18. *Curvularia ocimi* Dubey and Pandey, 2011
19. *Merismella indiae* Dubey and Pandey 2010
20. *Sporotrichum indica* Dubey and Pandey, 2009
21. *Hormisciomycetes indiae*, Dubey and Pandey, 2009
22. *Tripaspermum butae* Dubey and Pandey, 2008.
23. *Pseudocercospora centelli* Dubey and Pandey, 2008.
24. *Pseudoacrodictys steviae* Dubey and Pandey, 2008
25. *Corynespora andrographi* Dubey and Pandey, 2008
26. *Stachybotrys citri* Dubey and Pandey, 2008
27. *Volutella rauwolfii* Dubey and Pandey, 2008
28. *Ravenelia aloii* Dubey and Pandey 2007

B. New distributional records to India

1. *Acarocybellina arengae* Subram.
2. *Cucurbitodithis pithyophila* (Schmidt & Kunze) Petr,
3. *Haplotrichum curtisii* (Berk.) Hol.-Jech
4. *Helicomycetes hyderabadensis* P.Rag. Rao & D. Rao.
5. *Hemibeltrania nectandrae* (Bat. & H. Maia) Piroz.
6. *Hormisciomycetes* sp
7. *Merismella* sp.
8. *Monilochaetes laeensis* (Matsush.) Reblova, W. Gams & Seifert.
9. *Metulocladosporiella musae* (E.W. Mason) Crous, Schroers, J.Z. Groenew., U. Braun & K. Schub.
10. *Mycovellosiella solani-torvi* (Gonz. Frag. & Cif.) Deighton
11. *Parapericoniella asterinae* (Deighton) U. Braun, Heuchert & K. Schub.
12. *Physopella hiratsukae* (Syd.) Cummins & Ramachar

13. *Phragmospathula brachyspathula* Mercado
14. *Pirozynskiella solanina* (Sacc. & P. Syd.) Hughes
15. *Polytretophora calcarata* Mercado
16. *Pseudoacrodictys* sp.
17. *Repetophragma ellisii* (Piroz.) R.F. Castañeda, McKenzie & K.D. Hyde
18. *Tryblidiopycnis pinastris* Hohn.
19. *Uromyces nassellae* Cummins
20. *Veronaeopsis simplex* (Papendorf) Arzanlou & Crous
21. *Vizella oleariae* Swart.