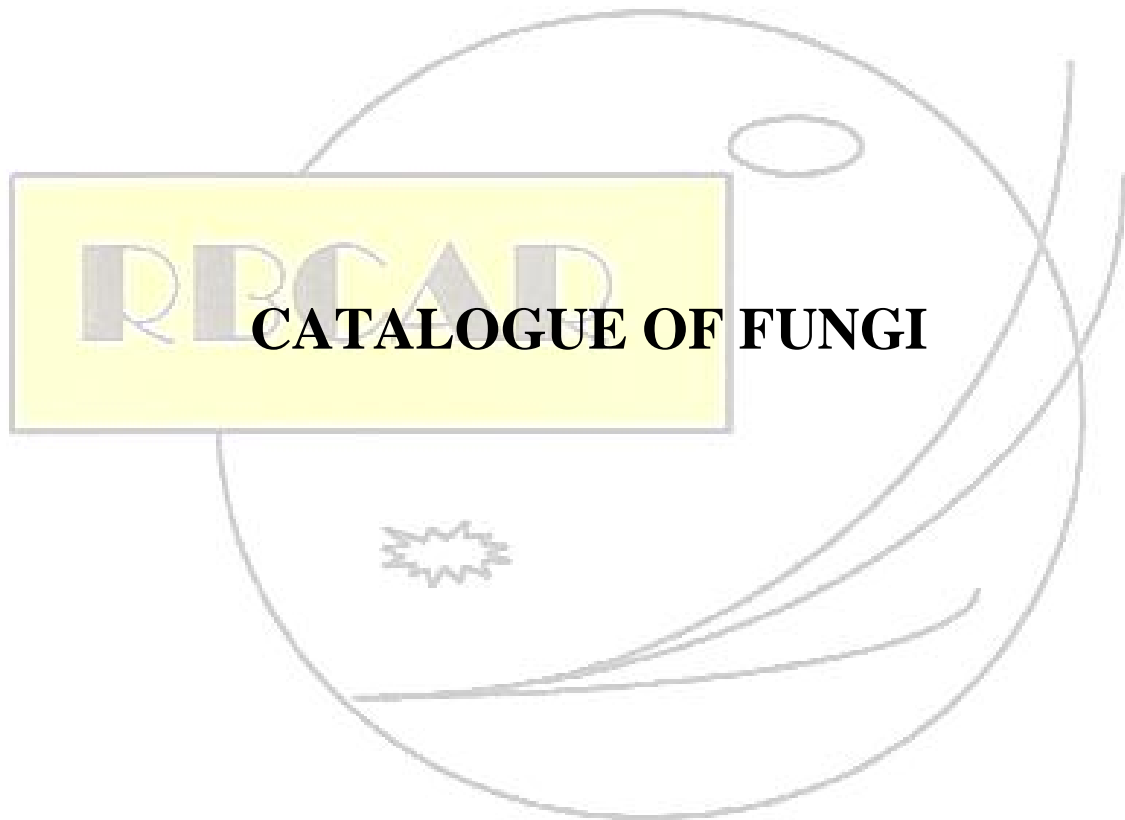




**Romanian Bioresource Centre and Advanced
Research Association**



**Bucharest
2013**

*THE ROMANIAN BIORESOURCE CENTRE AND ADVANCED
RESEARCH ASSOCIATION*

WDCM 628

ESTABLISHED JULY 2008

www.rbcар.ro

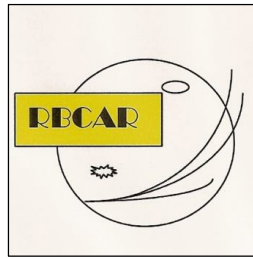
email:office @rbcар.ro

Edition nr. 1 2013



RBCAR





Centrul Roman de Bioresurse

Romanian Bioresource Centre and Advanced
Research Association

Catalogue of Fungi Collection
(Part of the collection, provisional)

RBCAR

Bucharest
2012

*THE ROMANIAN BIORESOURCE CENTRE AND ADVANCED
RESEARCH ASSOCIATION*

WDCM 628

Established July 2008

www.rbcар.ro office@rbcар.ro

History and statements

The NGO was established in 2008 by three Romanian researchers

The collection of fungi of our NGO is made of different strains provided by members and some donations. Some of the fungi were validated other are still in progress. here it is the first catalogue.

The list of catalogues are still a wish for the future when other collections and persons will contribute to the development of the centre.

The preservation of strains are still primitive, now we try to pass all the collection of fungi in mineral oil and to preserve for longer time.

The ordering procedure is to address a request on a form provided by us and then send by email.

The material will be send like slant on agar in live state for the moment and packed according to Postal Union and IATA regulations.

The actual price for abroad and for Romania and other countries will be 30 euro (no VAT) plus the postal taxes. The delivery time will depend of the destination.



Some restriction of delivery will be imposed for some cultures or for some destination countries according to dual use laws and prevention of bioterrorism

Forms for delivery of strains and others will be available and can be downloaded from our site.

Address for correspondence is
Romanian Bioresource Centre NGO
National R&D Institute for Biological Sciences
Splaiul independentei nr 296 sector 6, cod 060031
Bucharest, Romania

Tel (for the moment mobile) 0040720134916

Emails

office@rbc.ro, sergiu.fendrihan@rbc.ro, ecologos23@yahoo.com

Lists of filamentous fungi from RBCAR collections (only part of them)

A

Alternaria alternata (Fr.) Keissl. (1912)

RBCAR F1053

Isolated from *Ribes* sp.

Geographic origin Petrosani; Romania

Cultivation on medium RBCAR01,

Temperature 22-25°C,

Maintenance agar slants 4 C

Biosafety level 1

Comments

References

Alternaria solani Sorauer, (1896)

RBCAR number 1064

Isolation from

Geographic origin Bucharest; Romania

medium RBCAR .C01

temperature 22-24°C

Maintenance 4C, culture

Comments

References

Alternaria vitis (Cav.) Sacc vitis

RBCAR number 10116

Geographic origin Petrosani; Romania

Cultivation on medium RBCAR01,

Temperature 22-25°C,

Maintenance agar slants -4 C

Biosafety level 1

Comments

References

Alternaria ribis Bubák & Ranoj.

RBCAR F 101

Isolation from bread

Geographic origin place Bucharest, Romania

Medium RBCAR C 01

Maintenance 4°C, living cultures

Biosafety level 1

Comments

References

Alternaria cucumerina (E&E) Elliot

RBCAR number F 1063

Isolation from wheat

Geographic origin Maldaresti, Romania
Medium RBCAR C 01
Maintenance living cultures, -4°C living culture on agar
Biosafety level 1
Comments
References

Alternaria tenuis Auct.
RBCAR number F 1082
Isolation from Corn
Geographic origin place Craiova Romania
Medium RBCAR C 01,
Temperature 22-24°C,
maintenance agar slants -
Biosafety level 1
Comments
References

Alternaria porri (Ellis) Neerg.
RBCAR number F- 10157
Isolated from *Allium cepa*
Geographical origin Moara Vlasiei. Bucharest; Romania
Medium RBCAR M. 01,
Temperature of growth 25C
Maintenance , agar slants 4C
Biosafety level 1
Comments
References

Aspergillus alliaceus Link.
RBCAR number F 1083
Isolated from unknown 104
Geographical origin Cluj Napoca Romania
Temperature for growth 22-24C
Medium RBCAR 01
Maintenance , agar slants 4C
Biosafety level 1
Comments
References

Aspergillus clavatus Desm.,
RBCAR number F106
Isolation soils
Geographic origin Bucharest; Romania
Medium RBCAR C. 01,
Temperature for growth 22-25°C,
Maintenance 4°C, culture
Maintenance , agar slants -4C
Biosafety level 1
Comments

References

-*Aspergillus claviceps* Desm.,
RBCAR number F1012
Isolation from soil
Geographic origin Bucharest; Romania
Medium RBCAR C. 01,
Temperature for growth 22-25°C,
Maintenance 4°C, sporulated culture
Maintenance, agar slants -4C
Biosafety level 1
Comments
References

Aspergillus flavipes (Bain. & Sart.) Thom & Church
RBCAR number F1118)
Isolation from wheat
Geographic origin ; Romania
Culture medium RBCAR C 01,
Temperature of growth 22-24°C,
Maintenance 4°C, agar culture
Maintenance, agar slants -4C
Biosafety level 1
Comments
References

Aspergillus flavus Johann Heinrich Friedrich Link, 1809
RBCAR number F107
Isolation from unknown donation
Geographic origin Bucharest; Romania
medium RBCAR C 01,
temperature for growth 22-24°C,
Maintenance 4°C, agar slant
Maintenance, agar slants -4C
Biosafety level 1
Comments aflatoxin producer handle with care
References

Aspergillus fischeri Wehmer var. *fischeri*, anamorph
Synonyms *Neosartoria fischeri* (Wehmer) Malloch et Cain var. *fischeri*, teleomorph
Form anamorph is *Aspergillus fisherianus*
RBCAR number F1013
Isolation from unknown donation
Geographic origin Austria
medium RBCAR C 01,
temperature for growth 22-24°C,
Maintenance 4°C, agar slant
Maintenance, agar slants -4C
Biosafety level 1
Comments allergen handle with care
References

Aspergillus glaucus Link et Gray

RBCAR number F101

Isolated from Complex Fodder donation

Geographic origin Balotesti Ilfov; Romania

Medium RBCAR C. 01, 22-24°C,

Maintenance 4°C, sporulated culture

Temperature for growth 22-24°C,

Maintenance 4°C, agar slant

Biosafety level 1

Comments

References

Aspergillus niger van Tieghem

RBCAR number F-1015

wheat seeds

Geographic origin Romania

Medium RBCAR C 01,

Temperature of growth 25°C,

Maintenance 4°C, agar culture

Biosafety level 1

Comments

References

Aspergillus ochraceus Wilhelm ,

RBCAR number F 1086

Isolation from soil 109

Geographic origin Ilfov; Romania

Medium RBCAR C 01,

Temperature for growth 22- 25°C,

Maintenance 4°C, culture

Biosafety level 1

Comments

References

Aspergillus parasiticus Speare (1912)

RBCAR number F1011

Isolation place Baia , Romania

Substrate wood

22-24C

Medium RBCAR C 01)

Maintenance agar cultures, 4°C

Biosafety level 1

Comments mycotoxin producer (aflatoxin B1)

References

Aspergillus phoenicis gr niger Smith

RBCAR number F 109

Isolation from soil

Geographic origin . Bucharest; Romania
Medium RBCAR C 01
temperature for growth 22- 24°C,
Maintenance 4°C, agar culture
Biosafety level 1
Comments
References

Aspergillus versicolor (Vuillemin) Tiraboschi, 1926
RBCAR number F 105
isolation from wheat stems
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Maintenance 4°C, agar cultures
Biosafety level 1
Comments produces a mycotoxin (sterigmatocystin) and cyclopiaxonic acid
Handle with care ; it is agent of onichomycosis and other mycotic diseases like cutaneous
and pulmonary infections
References

Aspergillus ustus (Bainier) Thom & Church (1926)
RBCAR number F1014
Substrate fodder mix for farm animals
Isolation place Bucharest, Romania
Medium RBCAR C 01
22.-24C
Biosafety level 1
Comments handle with care can be agent of aspergillosis in immuno-depressed patients
References

B

Botrytis cinerea Persoon
Form anamorph
(The teleomorph is *Botryotinia fuckeliana*, syn *Botryotinia cinerea* .
RBCAR number F F1062
Isolation from *Vitis vinifera* grapes
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Temperature for growth 22-24C
Maintenance living cultures, 4°C
Biosafety level 1
Comments
References

Botryosphaeria sp.
RBCAR number F 1019
Isolated from magnolia stems
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Temperature for growth 22-24C

Maintenance living cultures, 4°C
Biosafety level 1
Comments
References

C

Chaetomium globosum Kunze ex Fr. (1829)
RBCAR number F1091
Isolation from apple
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Temperature for growth 22-24C
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

Chaetomium herbarum
RBCAR number F164
Isolation from Paper mill wastes
Geographic origin Busteni, Romania
Medium RBCAR C 01
22-24C
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

Cladosporium herbarum (Pers.) Link, (1816)
Synonyms *Byssus herbarum* (Pers.) DC., in de Candolle & Lamarck, Fl. Franç., Edn 3 (Paris) 5/6: 11 (1815) *Dematium herbarum* Pers., Ann. Bot. Usteri 11 Stuck: 32 (1794)
Heterosporium epimyces Cooke & Masee, Grevillea 12(no. 61): 31 (1883)
RBCAR number F 160
Substrate *Ribes*
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

E

Epicoccum purpurascens Ehrenb., 1818
Synonyms *Epicoccum nigrum* Link, 1816
RBCAR number F 1055
Isolation from soil
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Temperature for growth 22-24C

Maintenance living cultures, 4°C
Biosafety level 1
Comments
References

F

Fusarium culmorum (Wm.G. Sm.) Sacc. 1895
RBCAR number F 1045
Isolation from wheat
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Temperature for growth 22-24C
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

Fusarium graminearum Schwabe
Form the teleomorph is *Gibberella zeae* (Schweinitz) Petch,
RBCAR number F1034
Isolation from barley
Geographic origin Bucharest, Romania
Medium RBCAR C 01
22-24C
Maintenance living cultures, 4°C
Biosafety level 1
Comments
References

Fusarium fusarioides (Gonz. Frag. & Cif.)
Synonym is *Fusarium chlamydosporum* var *chlamydosporum* Wollenz & Reinking 1925
Basionym is *Dactylium fusarioides* Gonz. Frag. & Cif. 1928
RBCAR number F10117
Substrate wheat
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Temperature of growth 22-24C
Maintenance living cultures, 4°C
Biosafety level 1
Comments producer of moniliformin an mycotoxin
References

Fusarium moniliforme J. Sheld., (1904)
Synonyms *Fusarium verticillioides* (Sacc.) Nirenberg, (1976), *Gibberella fujikuroi* var. *moniliformis* (Wineland) Kuhlman, (1982), *Gibberella moniliformis* Wineland, (1924), *Lisea fujikuroi* Sawada, (1919), *Oospora verticillioides* Sacc., (1882)
RBCAR number F1043
Isolation from wheat
Geographic origin Balotesti , Romania
Medium RBCAR C 01

Temperature for growth 22-24C

Maintenance cultures, 4°C

Biosafety level 1

Comments handle with care, reported as agent of keratitis and other opportunistic infections

References

Fusarium oxysporum Schlecht. emend. Snyder & Hansen

Accession number RBCAR number F 1037

Isolation from soil

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Maintenance cultures, 4°C

Biosafety level 1

Comments

References

Fusarium oxysporum f. sp. *glycine*

RBCAR numar F 1041

Isolation from unknown

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Maintenance cultures, 4°C

Biosafety level 1

Comments

References

Fusarium oxysporum f. sp. *solani*

RBCAR number F , 10121

Isolation from *Capsicum*

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Maintenance cultures, 4°C

Biosafety level 1

Comments

References

Fusarium oxysporum f. sp. *alii*

RBCAR number F , 10134

Isolation from *Allium cepa*

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Maintenance cultures, 4°C

Biosafety level 1

Comments

References

Fusarium solani (Martius) Saccardo (1881)

Forms the teleomorph form is *Nectria haematococca*

RBCAR number F 1040

Isolation from soil

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Maintenance cultures, 4°C

Biosafety level 2

Comments handle with care; it can produce skin infection and disseminated infections in humans

References

G

Gliocladium roseum

Synonym *Clonostachys rosea f. rosea* (Link) Schroers, (1999)

RBCAR number F 1081

Isolation unknown

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Maintenance cultures, 4°C

Biosafety level 1

Comments biofuel potential

References

H

Helminthosporium sativum Pam. King. Bakke.

Form anamorph the teleomorph is *Cochliobolus sativus* (S. Ito & Kuribayashi) Drechsler ex Dastur

RBCAR number F1069

Isolation from soil

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Biosafety level 1

Comments

References

Helminthosporium cactivorum Petr. 1931

Synonyms :*Drechslera cactivora* (Petr.) M.B. Ellis, *Bipolaris cactivora* (Petr.) Alcorn,

Form anamorph the teleomorph is *Cochliobolus sativus* (S. Ito & Kuribayashi) Drechsler ex Dastur

RBCAR number F1070

Isolation from cactus plant

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Biosafety level 1

Comments

References

L

Lasiobolus sp

RBCAR number F 1070

Isolation from

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Maintenance cultures, 4°C

Biosafety level 1

Comments

References

M

Monilia fructigena Honey, (1945)

Monilia fructigena Schumach., (1801) *Sclerotinia fructigena* (J.Schröt.) Norton, (1905)

Sclerotinia fructigena Aderh., (1905) *Stromatinia fructigena* (J.Schröt.) Boud., (1907)

RBCAR number F 10111

Isolation from *Cydonia oblonga*

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature of growth 22-24C

Maintenance cultures, 4°C

Biosafety level 1

Comments

References

Mortierella sp

RBCAR number F10105 provisional

Isolation from *Rosmarinus*

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Biosafety level 1

Comments

References

P

Penicillium chrysogenum Thom (1910)

RBCAR number F 10154

Isolation from soil

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Maintenance living cultures, 4°C

Biosafety level 1

Comments producer of metabolites penicillins, roquefortine C, meleagrin, chrysogine, xanthocillins, secalonc acids, sorrentanone, sorbicillin, and PR-toxin

References

Penicillium expansum Link 1809

RBCAR number F 1021

Isolation from apple fruit

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Maintenance s cultures, 4°C

Biosafety level 1

Comments

References

Penicillium fellutanum Biourge 1923

RBCAR number F 10150

Substrate chocolate

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Maintenance living cultures, 4°C

Biosafety level 1

Comments

References

Penicillium frequentans Westlink 1912

RBCAR number F 1026

Substrate

Geographic origin Bucharest, Romania

Medium RBCAR C 01 PDA

Temperature for growth 22-24C

Maintenance living cultures, 4°C

Biosafety level 1

Comments

References

Penicillium implicatum Biourge 1923

RBCAR number F 1032,

Isolation from chocolate

Geographic origin Bucharest, Romania

Medium RBCAR C 01

Temperature for growth 22-24C

Maintenance cultures, 4°C

Biosafety level 1

Comments

References

Penicillium italicum Wehmer 1894

RBCAR number F 1020

Isolation from lemon fruit

Geographic origin Bucharest, Romania

Medium RBCAR C 01
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

Penicillium griseofulvum Dierkx 1901
RBCAR number F1019
Substrate broth
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Temperature for growth 22-24C
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

Penicillium granulatum Bainier 1905
RBCAR number F 10115
isolation from unknown
geographic origin Bucharest, Romania
Medium RBCAR C 01
Maintenance living cultures, 4°C
Biosafety level 1
Comments
References

Penicillium gladioli Machacek 1927
RBCAR number F 1022
Substrate *Gladiolus* sp.
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Temperature for growth 22-24C
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

Penicillium rubrum Grassberger
RBCAR number F 1027
Substrate Geranium
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

Penicillium raistrickii G.Sm 1923
RBCAR number F10152
Isolation from chocolate

Geographic origin Brasov, Romania
Medium RBCAR C 01
Temperature 22-24C
Maintenance living cultures, 4°C
Biosafety level 1
Comments
References

Phytophthora capsici
RBCAR number F 10147
Substrate Capsicum
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Temperature for growth 22-24C
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

R

Rhizopus nigricans Ehrenb. 1821
RBCAR number F 10148
Substrate salad
Geographic origin Braila, Romania
Medium RBCAR C 01
Temperature for growth 22-24c
Maintenance living cultures, 4°C
Biosafety level 1
Comments
References

Rhizopus stolonifer (Ehrenb.) Vuill. (1902)
RBCAR number F 1058
Substrate *Momordica* sp.
Geographic origin Bucharest, Romania
Medium RBCAR C 01
Maintenance cultures, 4°C
Biosafety level 1
Comments
Reference

Rhizoctonia solanis Fischer
RBCAR number F 1100
Isolation place Braila, Romania
Substrate sun flower seeds
Medium RBCAR C 01
Temperature 22-24c
Maintenance cultures, 4°C
Biosafety level 1

Comments
References

S

Septoria nodorum (Berk.) Berk., 1845
RBCAR number F 1056
Isolation wheat
Geographic origin Bucharest, Romania
Substrate wheat
Medium RBCAR C 01
Temperature 22-24C
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

Sclerotinium betaticola Taub
RBCAR F1067
Isolation *Ricinus communis*
Geographic origin Iasi Romania
Substrate mixed fodder
Medium RBCAR C 01
Temperature 22-24C
Biosafety level 1
Comments
References

Sclerotinia sclerotiorum (Lib.) de Bary, 1884
RBCAR number F1067
Isolation from *Ricinus communis*
Substrate mixed fodder
Geographic origin Iasi Romania
Medium RBCAR C 01
Temperature 22-24C
Biosafety level 1
Comments
References

T

Trichoderma viridae Pers et Gray
RBCAR number F -1048
Substrate corn
Geographic origin Bucharest, Romania
Maintenance living cultures, 4°C
Biosafety level 1
Comments
References

Trichoderma viridae strain 49
RBCAR number F 1050
Substrate grapes
Geographic origin Valea Calugareasca , Romania
Medium RBCAR C 01
Biosafety level 1
Comments
References

Talaromyces bacillosporus C.R. Benj. 1955
RBCAR number F132
Substrate wood
Geographical origin Bucharest, Romania
Medium RBCAR C 01
Maintenance culture, 4°C agar slant
Biosafety level 1
Comments
References

V
Verticillium tennerum Nees 1816
RBCAR number F 1076
Geographic origin Fetesti, Romania
Substrate wheat
Medium RBCAR C 01
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

Verticillium dahliae Kleb.,1913
RBCAR number F 172
Substrate
Geographic origin Fetesti, Romania
Medium RBCAR C 01
Maintenance cultures, 4°C
Biosafety level 1
Comments
References

