

480=BC<( 5=5 @ 8=8 :>A8) - *Adiantum capillus-veneris*

gradinar, G5B2J @BJ:21 <092009 - 15:11:24

B45; 0? @0B>28 - Pteridophyta

;0A Polypodiopsida

07 @54 Schizaeales

!5<59AB2>Adiantaceae - 480=B>28

>4A5<59AB2>Adiantoidae

>4Adiantum

Adiantum-54=0>B=09>18G0=8B5?0?@0B8A=042002840,=O:>8>B

:>8B>A0ABC4>CAB9G8288@0AB0B=0>B:@8B>.A5>1I

;N18<5F5284JB:0?8;CA-25=5@8A=0@8G0=C=0A25=5@8=

8;81>3>@>48G5=:>AJ<. <0?J;7OI8ABJ1;0,>B:>8B>

87;870B87OI=8?5@5AB8;8AB02J@EC=56=8G5@=8

4@J6:8.A8G:8=0475<=8G0AB8A0?>:@8B8A=52848<

2>AJG5=0;8?8?>B>78=0G8=?>BOE=5A5704J@60

2>40.BBC:8=0720=85B>=0@0AB5=85B>,BJ9:0B>0480=BC<

>7=0G020=5=0<>:@O5<.

480=BC<8B5=5>18G0B O@:0B0A;J=G520A25B;8=0.

@54?>G8B0B?>;CAO=:0B0."578?0?@0B8=5?>=0AOB

A;0=8B58>AB@8OABC45=2OBJ@.'C2AB20BA57;5270?@0H5=8,

?@>?8B8AF830@5=48<?><5I5=8O.?B8<0;=0B0

B5<?5@0BC@0700480=BC<8B5515°!-20°!. :>5?>-B>?;>,>

;8AB0B08<AB020B1;548,6J;B5OB,AJE=0B8A5GC?OB.

>;8209B5A<5:02>40,:0B>2=8<020B5:>@5=8B540=5

>AB020BACE8.8<=8B5?>;82:8A0?>-@54:8,=>=5182040

A54>?CA:0?@5AJE20=5.;06=>ABB0=02J74CE02

?><5I5=85B>B@O120401J45?>28H5=0,>A>15=>?@57

;OB>B>.0;030A5?@JA:0=5A?C;25@870B>@?>=5420?JB8

=045=. "0:0>A25=?>28H020=52;06=>ABB0=02J74CE0A5

?>44J@608G8AB>B0B0=0;8AB0B0.@57;OB>B>0480=BC<0

<>6540A5?>4E@0=20AB5G5=B>@=02A5:8425A54<8F8.

0745;5B5:>@5=8B5.

0?@0B8B5A5@07A0640B?@57?@>;5BB0.>G25=0B0A<5A

B@O120401J45>B425G0AB8B>@D,54=0G0AB3>@A:0?>G208

?OAJ:.=8<0B5;=>@0745;5B5@07@0AB=0;8B5A5:>@5=8=0

0480=BC<0,07054=>ABOE8=0475<=0B0G0AB.>@5=>20B0

H89:0=5B@O12040A570@02O, BJ9:0B>B>20<>65404>2545  
4>703=820=5=0<;048B5;8AB0. 07<=>6020B A5 G@57  
A?>@8, =>B>2054>AB0B@C4>5<J: ?@>F5A.

**84>25:**

- **Adiantum capillus veneris** :;0A8G5A:8B5 5=5@8=8:>A8AJA  
A25B;>75;5=8;8AB0, @07?>;>65=8?>G5@=83J2:028  
4@J6:8A4J;68=04>30A<.  
- **Adiantum polifilum** 5=09-54@8O284A3>;5<8:>@5=88ABJ1;0A  
4J;68=0>:>;><5BJ@, 0=53>28B5G5@=8B2J@484@J6:8A0  
?>:@8B8AJA A8<5B@8G=8<0;;8;8AB5=F0.  
- **Adiantum raddiantum** 8<0G5@=8ABJ1;08<=>3>G8A;5=8  
A25B;>75;5=8;8AB0.

**B3;5640=5:**

!25B;8=0: !25B;>, =5?@O:0A;J=G520A25B;8=0!

"5<?5@0BC@0: ">?;>, =>=53>@5!>! OB>B> >?B8<0;=0to  
20o-25o!; 78<0B0 <8=8<0;=0to 10o!.

>;820=5: 18;=>, 78<0B0A5=0<0;O20<0;:> A<5:02>40  
AJAAB09=0B5<?5@0BC@0

@JA:0=5: 18;=>8G5AB>.

;06=>AB: 8A>:02J74CH=02;06=>AB! 0A54J@682J@EC  
?>4;>6:0A<:>:@8:0<JG5B0! >4E>4OI>58>B3;5640=52  
B5@0@8C<.

">@5=5: @>;5B, ;OB>, 5A5= 254=J62<5A5F0 A4>70,  
42>9=>?>-@07@545=0>B?@54?8A0=>B>=0>?0:>2:0B0

@5A0640=5: AO:03>48=0 0?@8;/<09 ?>-3>;5<8B5  
@0AB5=8O. >1J@4@5=06.

07<=>6020=5: 0?@0B8B5A5@07A0640B?@57?@>;5BB02  
?>G25=0A<5AB@O120>B2G0AB8B>@D,1G0AB?OAJ:.  
0<=>6020=B5>AB020G@57@0745;O=5=0:>@5=8I0B0.  
"@O12040A52=8<020:>@5=>20B0H89:040=5A570@02O, BJ9  
:0B>B>20<>65404>25454>703=820=5=0<;048B5;8AB0.

**@>1;5<8:**

- :>;8AB0B06J;B5OB, ?>O2O20B A5:0DO28?5B=0, ?@8G8=0B0  
<>65405?@5:0;5=>28A>:0B5<?5@0BC@0 =0425>!,  
=5@54>2=>8;8=54>AB0BJG=>?>;820=5;  
- :>;8AB0B06J;B5OB8@0AB5=85B>=5@0AB5=8A:0  
2J74CH=02;06=>AB;  
- :>;8AB0B0A01;548, ?>;C?@>7@0G=8, 2O;8 ?@5:0;5=>

A8;=0 A;J=G520 A25B;8=0;

- :>:@0810B0=0;8AB0B06J;B5OB8;887AJE20B,@0AB5=85B>  
=5@0AB58;8@0AB5;>H>=54>AB0BJG=>?>4E@0=20=5,  
?@5:0;5=><0;:08;8?@5:0;5=>3>;O<0A0:A8O;  
- :>;8AB0B06J;B5OB,:0D5=5OB,A1@JG:20BA5,8>?0420B  
?@5:0;5=>=8A:0B5<?5@0BC@0,E;04=>B5G5=85,  
?>;820=5AJAABC45=0,B2J@408;8E;>@8@0=02>40.

:>A5?>O28=O:>9>B3>@=8B5?@>1;5<8,@0AB5=85B>A5  
?>4@O720?>GB84>>A=>20B0870?>G20>18;=>?@JA:0=5  
I5?>=8:=0B=>28:;>=:8.

**@548B5;8:**

- :0@8;  
- 8AB=82JH:8;  
- J64>2=8G5@258?@>25@O20A5,40;8388<0,:0B>A0:A8OB0  
A5=0:8A202@07B2>@>B:0;852?5@<0=30=0B.:>8<0  
G5@258,B5I587;O70B?@574@5=06=8B5>B2>@88;8I5A5  
?>:060B=0?>2J@E=>ABB0=0?@JABB0.

**>;5AB8:**

- !82>3=85=53J18G=>701>;O20=5?>O2O20BA5G5@=8  
?5B=0?>  
;8AB0B0?@8=8A:8B5<?5@0BC@88?@5?>;820=5.

0AJ60;5=85,0480=BC<JB=5?>=0AO?@JA:0=5A  
E8<8G5A:8A@54AB20.:>B>205>A>15=>=0;>68B5;=>,  
A;54:0B>A5=0?@JA:0@0AB5=85B>,87G0:20A54070AJE=58  
A5>1;8204>1@5AB>?;02>40.

480=BC<JB5=09-GC2AB28B5;5=:J<?>;820=5B>.:>  
?@>?CA=5B5403>?>;55B5,@0AB5=85B>254=030@5038@0  
:0B>2J@E>25B5=0:;>=:8B58;8AB0B070AJE20B.0:>  
?>;820B5?@5:0;5=>,B>0480=BC<JB@0=>8;8:JA=>I5  
7038=5.09-=530B82=>@5038@0=070AB>O;0B02>402  
?>G20B0.