

Innovation im Verpackungssektor: Folie aus alten Eierschalen gewinnt EU-Preis

Das studentische Forschungs-Team EDGGY von der Uni Hohenheim hat eine nachhaltige Verpackungsfolie entwickelt, die aus alten Eierschalen und anderen pflanzlichen Rohstoffen besteht.



Das Team "EDGGY" verbindet EGGs und Cutting EDGE-Research. V.I.n.r.: Cora Schmetzer, Lina Obeidat, Bahar Abrishamchi, Paulina Welzenbach und Alena Fries |© Universität Hohenheim/Oliver Reuther

9]YfgW\U`Yb`U`g`@Ògi b[`[Y[Yb JYfdUW_i b[ga Ø``

9]bYg'XYf'k]f_`]W\'[fc»Yb'DfcV`YaY'XYf'¾hnhnY]h']gh'XYf'g]W\
]a a Yf'\Ò\Yf'Ui ZhØfaYbXY'i bX'cZh'`Y]XYf'i bnYfghÒfVUfY

JYfdUW_i b[gaØ``"CV'HØhYb'ZØf'Gi ddYb'i bX'JYfdUW_i b[Yb'ZØf
gW\bY``Y'GbUW_g' a Y]gh'_ca a h'a Ub'XU'Ub'D`Ugh]_'b]W\h'j cfVY]"
6Y]a '9]b_Ui Z'[]Vh'Yg'`Y]XYf'\Ài Z]['X]Y'; i f_Yb']a 'D`Ugh]_a UbhY`ž
UV[YZØ``hYg'CVgh']b'D`Ugh]_gW\U`Yb'i bX'gY`Vgh'X]Y'D]nnU']a

DUd]Yf_Ufhcb']gh'ni gÀhn`]WX'bcWXa U``]b'D`Ugh]_'Y]b[YdUW_h"

8 cWX'Yhhh'\Uh'Y]bY'; fi ddY'j cb'Ghi XYbh]bbYb'XYf'I b]

<c\Yb\Y]a ']a 'k U\fghYb'G]bbY'XUg' 9]'XYg'7c`i a Vi g 'Yf!'i bX

[YZi bXYb"'I bX'XUg'_Ua 'gc.'Ghi XYbh]b'@bU'CVY]XUhž'X]Y'Ub'XYf'

I b]j Yfg]hÀh'<c\Yb\Y]a ']a 'A UghYfghi X]Yb[Ub[

@YVYbga]hhY`k]ggYbgWXUZh'VY`Y[h'\Uhž'_cWXhY'[Ya Y]bgUa 'a]h'XYf

: fUi 'A Ua U'Y]b'; Yf]WXh']b'XYa 'Ui WX'9]Yf'j Yfk YbXYh'k i fXYb"'I bX

'A gh']b'XYa '5i [YbV`]W_']b'XYa '@bU'X]Y'9]YfgWXU`Yb'Ybhgcf[Yb

k c``hY'Xi fWXZi \f'g]Y'Zc`[YbXYž'nØbXYbXY'=XYY.'K Ug'XUg'9]

gWXØhnhž'a ØgghY'XcWX'Ui WX'U`g'JYfdUW_i b['hUi [Yb'''XUWX'hY'g]Y

qc'VY]'q]WX"

A]hghfY]hYf]bbYb'k UfYb'[`Y]WX'[YZi bXYb

I bX'@]bU'[]b[ž'VYgYY`h'j cb']\fYf'=XYYž'Ua 'bÀW\ghYb'HU[']b'X]Y
I b]'i bX'ZUbX'gc[Uf']b']\fYa 'Ghi X]Yba cXi `'[`Y]W\'j]Yf
A]hghfY]hYf]bbYb'''I bX'gc'k i fXY'Ui g'5`YbU': f]Ygž'6U\Uf
5Vf]g\Ua W\]ž'DUi `]bU'K Y`nYbVUW\ž'7cfU'GW\a YhnYf'i bX'@]bU
CVY]XUh'XUg'H95A '98;; M'I bX'U'g'HYUa 'a Y`XYhYb'g]W\'X]Y
Ghi XYbh]bbYb'Ui W\'[`Y]W\'VY]'XYa 'K YhhghfY]h' FYi gY&FYdUW_
7\U``Yb[Y 'Ub''Ni 'X]YgYa 'K YhhVYk YfV'\UhhY'X]Y'9+H': ccXž
Y]bY'K]ggYbg!'i bX'+bbcj Uh]cbg!; Ya Y]bgW\UZh'XYf'9i fcdA]gW\Yb
I b]cb'Ui Z[Yfi ZYb'''<]Yf'[]b['Yg'XUfi a ž'Ui g'
@YVYbga]hhY`UVZA``Yb'Y]bY'V]cVUg]YfhY'J YfdUW_i b[g`Ogi b['ni Ybhk]\W_Y`b'''8]Y'hY]bY\a YbXYb'HYUa g'k i fXYb'ØVYf'Y]bYb
NY]hfUi a 'j cb'bYi b'A cbUhYb'j cb'A YbhcfYb'i bX'A Ybhcf]bbYb'Ui g
XYf'I b]j Yfg]hÀh'i bX'+bXi ghf]Y'i bhYfghØhnh''

BYib'AcbUhY: cfgWXYb'\UVYb'g]WX'[Y`c\bh

8 Ya 'Yb[U[]YfhYb 'HYUa '988; M[Y`]b[h'bUW\ 'Y]b][Yb : Y\`j Yfgi W\Yb 'YbX`]W\ 'bUW\ 'bYi b 'A cbUhYb 'XYf 'YfgY\bhY 8i fW\Vfi W\ .'9]b'_`Y]bYg 'GUW_Yf 'ž X]Y 'Ài » Yf `]W\ '_Ui a 'j cb 'D`Ugh]_ ni 'i bhYfgW\Y]XYb ']ghž 'g]W\ 'YXcW\ 'VY] '? cbhU_h'a]h '\Y]» Ya 'K UggYf gcZcfh'Ui ZÒghž k Uf '[YVcfYb" '8i fW\ 'X]Y 'J Yfk YbXi b['j cb DfchY]bYb ']gh'i bgYfY 'J YfdUW_i b['gc[Uf 'f]W\h]['[Ygi bX ° ž 'Yf_`Àfh CVY]XUh" G]Y 'VYghY\h'Ui g 'Y]bYf 'Y]bZUW\Yb 'A]gW\i b['Ui g dZUbn`]W\Ya '9]k Y]» ž '9]YfgW\U`Yb 'i bX 'ghfi _hi f[YVYbXYb

K Y]Wka UWkYfbik]YiK UggYf žYf_`Àfhi5Vf]g\Ua Wk]" B]Wkhg 5i g[YZU``YbYgicXYfi?ca d`]n]YfhYgi iUVYfiYgiZi b_h]cb]Yfh" i: Un]h a Ubi_Ubbig]WkiXUgiYggVUfYiGi ddYbgUW_Yfi`gc[Ufi]biXYfi\Y]» Yb Gi ddYiUi Z'ÒgYbii bXiYgia]hYggYbiii bXiXUgi]ghigc[Ufi[Ygi bXii bXi]YZYfhini qÀhn`]WkYiDfchY]bY"

9ggVUfY'J YfdUW_i b['YfgYhnh'D`Ugh]_a Ø``

8 i fW. X]Y bYi Y 9fZ]bXi b['YbhghY\h'VY]a 'GbUW_Yb'U`gc'_Y]b i a k Y`hgW.ÀX`]W\Yf'D`Ugh]_a Ø``": Øf']\fY'bUW\\U`h][Y'i bX]bbcj Uh]j Y'=\XYY'Yf\]Y`hYb'X]Y 'ZØbZ'Ghi XYbh]bbYb'VY]'XYf'9=\:ccX FYi gY&FYdUW_'7\U``Yb[Y'XYb'DfY]g'ZØf'X]Y']bbcj Uh]j ghY'=\XYY'i bX Y]b'DfY]g[Y`X'j cb' '%"&\$\$'9I F'''I bX'XUg'[Uf'b]W\h'gc' YW_][Y HYUa '988; M\Uh'Ui W\K Y]hYf\]b'; fc» Yg'j cf.'g]Y'k c``Yb']\f]bbcj Uh]j Yg'DfcXi _h'bcW\ k Y]hYf'j YfVYggYfb'i bX'`]YVÀi [Y`b'a]h XYa '; YXUb_Yb'Y]b'Y][YbYg'GhUfh!I d'ni '[fØbXYb'''8 Uni '_Ubb'a Ub XYa ']XYYbfY]W\Yb'HYUa 'bi f'[fUhi `]YfYb'i bX'j]Y``9fZc`[k ØbgW\Yb''

6 Ygi W Yb G]Y i bg Ui Z Z Y]gW i b X Wc "Uh