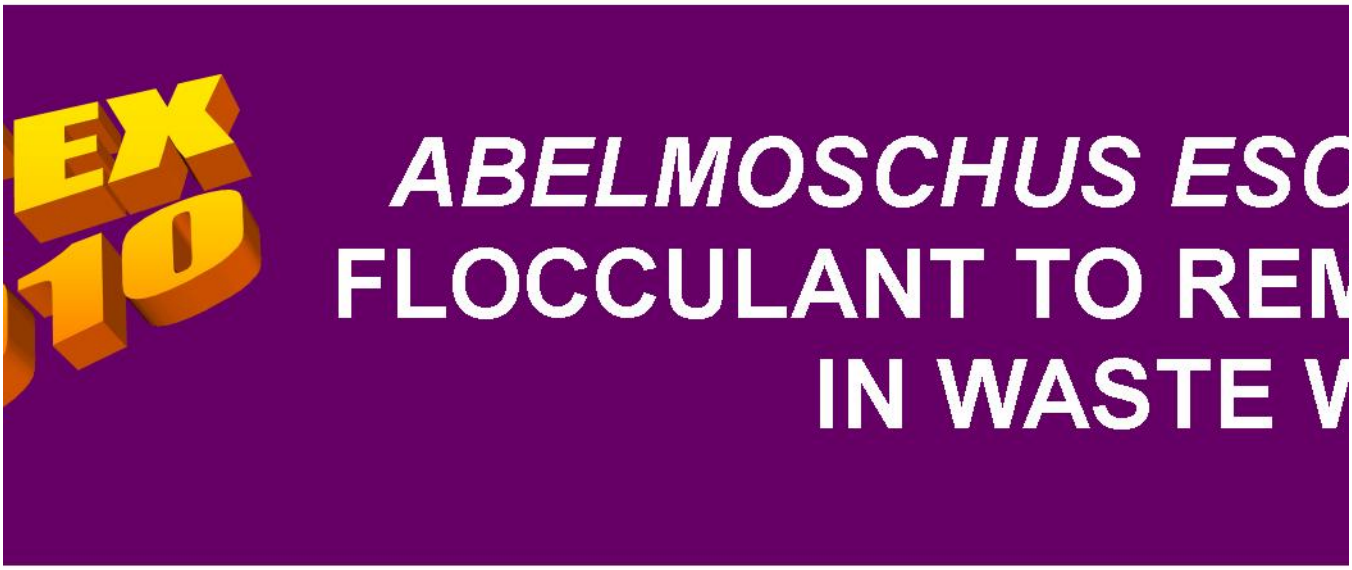
INVENTORS:

<NURUL NAJIHAH BT JAMIL >
<SITI AMINAH BTE MD SAAD>
<NURUL FARHANA BT MHD N
<NOR FITRIZA BT HASHIM>
<CHE ROHAYA BT SAAD>

INTRODUCTION



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IOOR>

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NOVELTY AND COMM

CULENTUS AS A
MOVE TURBIDITY
WATER

tal Engineering
rlis
ajian Jejawi 3

X: 04 - 979 8636

ERCIAL POTENTIAL

Pollutants in wastewater such as
particles can be reduced by using
of low cost flocculating material su
lentus, also can reduce the amou
from wastewater. Suspended soli
often removed from wastewater by
flocculation. Colloidal particles c
charge that keeps them in suspe
addition of chemicals to neutrali
charge and allow aggregation of p
tion the suspension is stirred g
collision and agglomeration in a pr

PRODUCT DESCRIPTION

Abelmoschus Esculentus is a type
used as food additives. Instea
purification. Natural polymers m
being as biodegradable, non toxi
available popular in domestic ar
ment. It is used as flocculant to
and also suspended solid and diss

colloids, algae, and small
natural source. The ability
ıch as *Abelmoschus Escu-*
nt of suspended solid (SS)
d (particularly colloids) are
y chemical coagulation and
carry a small electrostatic
ension. Coagulation is the
ze the effects of colloidal
articles. Following coagula-
gently to promote particle
ocess termed flocculation.

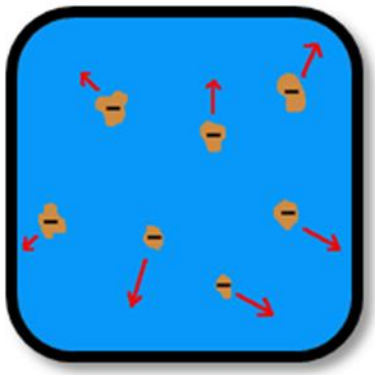
of vegetable and generally
d of it is used as water
ıainly as polysaccharides
c, shear stable and easily
ıd industrial effluent treat-
remove turbidity and color
olved solid.

Safe for the environme

This project can reduce

Promote Waste-to-Wea

Using the *Abelmoschu*
usage of chemical floc
process, familiarize wit
wastewater treatment.



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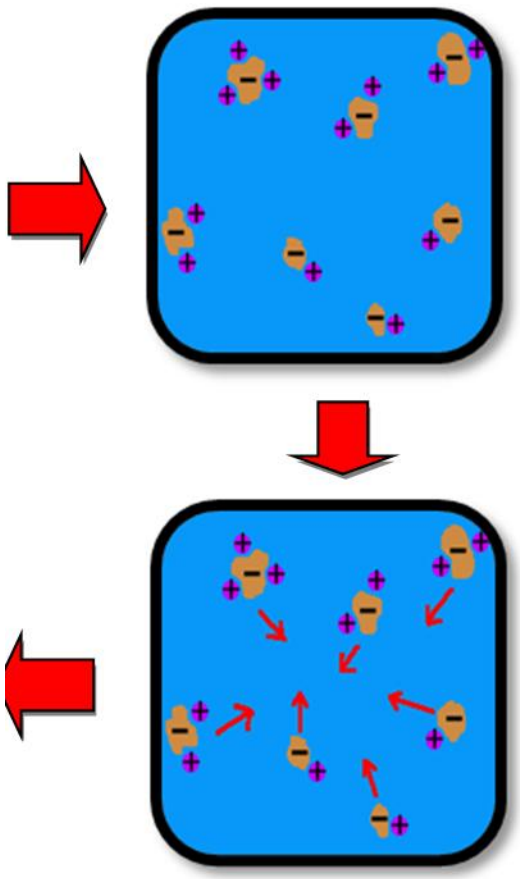
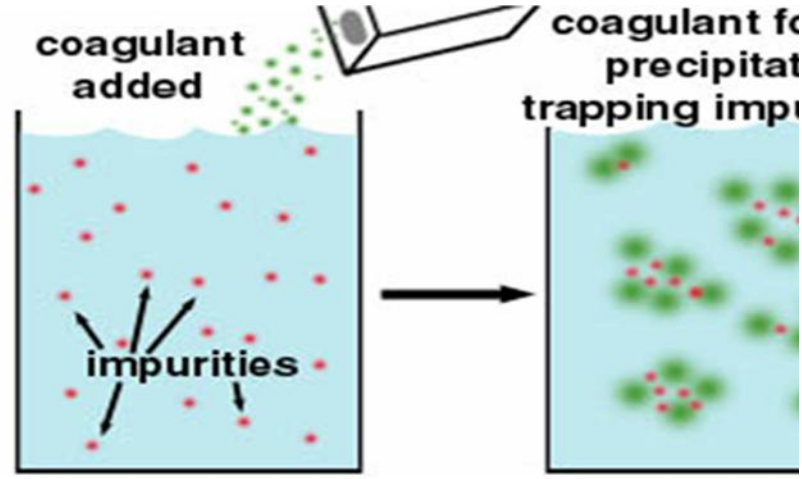
cost and safe to environment.

alth concept

us Esculentus can reduce the
culants in wastewater treatment
h natural source, low costs for





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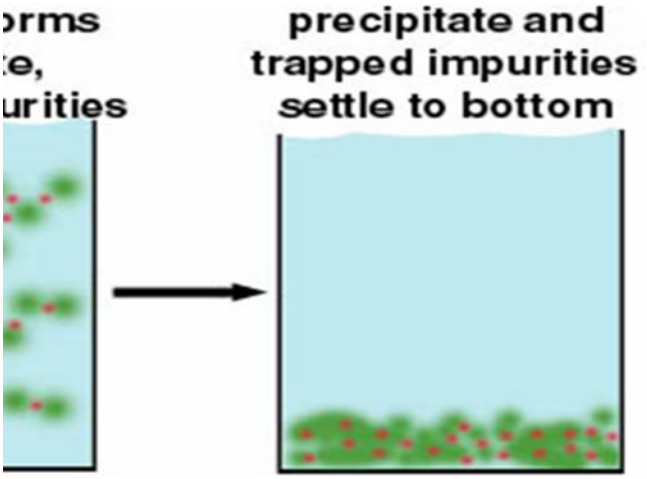
precipitate and
trapped impurities
settle to bottom

u.my