



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number [REDACTED]

The Commissioner of Patents has granted the above patent on 13 April 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Gazliya Nazimudheen of Department of Chemical Engineering NIT Calicut Kerala India

Apama K of Associate Professor, Department of Chemical Engineering NIT Calicut Kerala India

Title of invention:

A METHOD FOR LIGNIN EXTRACTION FOR BIOENERGY APPLICATIONS

Name of inventor(s):

Nazimudheen, Gazliya; K., Apama; Sunny, Anju; Sekhar, Nimmi C. and B., Hasanath

Term of Patent:

Eight years from 30 July 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 13th day of April 2022

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.