

Patent: Agriculture

2022-2024

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Contents

63633414 Granted Dr. Muzeev Ahmad	1
6315431 Granted Asfaq Siddiqui	2
202023104309 Granted Uday Veer Singh	3
2022052312553700DE Granted Asfaq, Faria Fatima, Gazia Nasir and Saba Siddiqui	4
429002-001 Granted Dr. Salman Ahmad, Dr. Kalpana Bisht and Prof. Saba Siddiqui	5
423194-001 Granted Dr. Saba Siddiqui	6
431245-001 Granted Dr. Malik Mobeen Ahmad, Prof. Saba Siddiqui	7
431956-001 Granted Dr. Deepti Srivastava	8
410870-001 Granted Uday Veer Singh	9
202411098609A Published Dr. Ayush Bhushan and Asfaq	10
202411039019A Published Asfaq, Gazia Nasir, Prof. Mohammed Haris Siddiqui and Prof. Saba Siddiqui	11
202411044095A Published Asfaq, Gazia Nasir, Prof. Saba Siddiqui and Dr. Ambreesh Singh Yadav	12
202211048978 Published Prof. Mohammed Haris Siddiqui	13
202211026684 Published Dr. Mohammed Asim	14



63633414 **Granted** Dr. Muzeev Ahmad



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6363414

Grant date: 10 May 2024

Registration date: 01 May 2024

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Navin Kumar Navnit, Dr. Khan Chand, Dr. Ajita Tewari, Gazia Nasir, Dr. Muzeev

Ahmad

in respect of the application of such design to:

DEVELOPMENT OF BATCH TYPE MALTING CHAMBER

International Design Classification:

Version: 14-2023

Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED

Subclass: 99 MISCELLANEOUS



Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipa



6315431 **Granted** Asfaq Siddiqui



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6315431

Grant date: 10 November 2023

Registration date: 27 September 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Khan Chand, Gurupreet Singh, Asfaq Siddiqui, Dr. Palmei Gaibime

in respect of the application of such design to:

Pedal Operated Dehuller for Black Soybean

International Design Classification:

Version: 14-2023

Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED

Subclass: 03 AGRICULTURAL AND FORESTRY MACHINERY

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipo



202023104309 **Granted** Uday Veer Singh

 Bundesrepublik Deutschland 

Urkunde

über die Eintragung des Gebrauchsmusters Nr. 20 2023 104 309

Bezeichnung:

Ein IoT-basiertes automatisches System zur Herstellung von biologischem Vermi-Kompost

IPC:

C05F 17/90

Inhaber/Inhaberin:

Arora, Kavita, Dr., Faridabad, Haryana, IN
Chaturvedi, Sumita, Dr., Lucknow, Uttar Pradesh, IN
Darji, Yashesh Anilkumar, Patan, Gujarat, IN
Dash, Bishnuprasad, Dr., Ranpur, Odisha, IN
Kalra, Nishi, Faridabad, Haryana, IN
Kaur, Amrinder, Dr., Faridabad, Haryana, IN
Khadkikar, Prajakta Ajay, Dr., Pune, Maharashtra, IN
Khan, Farhina Sardar, Dr., Lucknow, Uttar Pradesh, IN
Khatoon, Jahanarah, Lucknow, Uttar Pradesh, IN
Mahajan, Rupali Atul, Dr., Pune, Maharashtra, IN
Nagpal, Tapsi, Dr., Faridabad, Haryana, IN
Padhy, Jagannath, Ganjam, Odisha, IN
Panda, Prafulla Kumar, Dr., Berhampur, Odisha, IN
Iyer, Sailesh, Dr., Ahmedabad, Gujarat, IN
Sakhare, Nitin Nandkumar, Pune, Maharashtra, IN
Singh, Uday Veer, Gola Gokarna Nath, Uttar Pradesh, IN
Subramaniam, Sangeetha, Karur, Tamil Nadu, IN

Tag der Anmeldung:

31.07.2023

Tag der Eintragung:

01.09.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior



München, 01.09.2023

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.



2022052312553700DE **Granted** Asfaq, Faria Fatima, Gazia Nasir and Saba Siddiqui

🇩🇪 Bundesrepublik Deutschland 🇩🇪

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 102 834

Bezeichnung:

Solarbasiertes tragbares Hydroponiksystem

IPC:

A01G 31/06

Inhaber/Inhaberin:

Asfaq, Asfaq, Lucknow, UP, IN
Fatima, Faria, Lucknow, UP, IN
Hasanain, Mohammad, Lucknow, UP, IN
Nasir, Gazia, Lucknow, UP, IN
Siddiqui, Saba, Lucknow, UP, IN

Tag der Anmeldung:

23.05.2022

Tag der Eintragung:

03.06.2022

Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

München, 03.06.2022



Die Voraussetzungen der Schutzzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

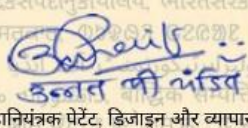


429002-001 **Granted** Dr. Salman Ahmad, Dr. Kalpana Bisht and Prof. Saba Siddiqui

 INTELLECTUAL PROPERTY INDIA PATENTS, DESIGNS, TRADE MARKS, GEOGRAPHICAL INDICATIONS	ORIGINAL क्रम सं/ Serial No. : 187040 
पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India	
डिजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design	
डिजाइन सं. / Design No. 429002-001	तारीख / Date 01/09/2024
पारस्परिकता तारीख / Reciprocity Date*	देश / Country
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो A PORTABLE INSECT OBSERVATION CHAMBER WITH INTEGRATED LIGHTING से संबंधित है, का पंजीकरण, श्रेणी 30-02 में 1.Dr. Salman Ahmad 2. Dr. Kalpana Bisht 3.Prof. Saba Siddiqui 4.Dr. Sunil Yadav 5.Mr. Gouri Shankar Giri के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।	
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 30-02 in respect of the application of such design to A PORTABLE INSECT OBSERVATION CHAMBER WITH INTEGRATED LIGHTING in the name of 1.Dr. Salman Ahmad 2. Dr. Kalpana Bisht 3.Prof. Saba Siddiqui 4.Dr. Sunil Yadav 5.Mr. Gouri Shankar Giri.	
डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.	
जारी करने की तिथि : Date of Issue 13/12/2024	महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न Controller General of Patents, Designs and Trade Marks
*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वतन्त्र अधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है। The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.	

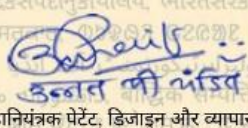


423194-001 Granted Dr. Saba Siddiqui

 INTELLECTUAL PROPERTY INDIA PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS		 सत्यमेव जयते		ORIGINAL क्रम सं/ Serial No.: 1790435
पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India				
डिजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design				
डिजाइन सं. / Design No. 423194-001		तारीख / Date 15/07/2024		
पारस्परिकता तारीख / Reciprocity Date*				
देश / Country				
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो CROP HEALTH MONITORING DEVICE से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Ms. Meena Kumari 2. Dr. Naimur Rahman Kidwai 3.Dr. Shimi. S. L. 4.Dr. Saba Siddiqui 5.Mr. Aryan Vashisth 6.Ms. Anshu Khare के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।				
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to CROP HEALTH MONITORING DEVICE in the name of 1.Ms. Meena Kumari 2. Dr. Naimur Rahman Kidwai 3.Dr. Shimi. S. L. 4.Dr. Saba Siddiqui 5.Mr. Aryan Vashisth 6.Ms. Anshu Khare.				
डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.				
जारी करने की तिथि: 27/08/2024 Date of Issue		 महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न Controller General of Patents, Designs and Trade Marks		
*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वतः अधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है। The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.				

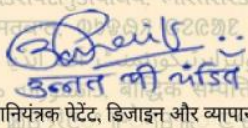


431245-001 **Granted** Dr. Malik Mobeen Ahmad, Prof. Saba Siddiqui

 INTELLECTUAL PROPERTY INDIA PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS		 ORIGINAL क्रम सं/ Serial No.: 184433
पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India		
डिजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design		
डिजाइन सं. / Design No.	431245-001	
तारीख / Date	21/09/2024	
पारस्परिकता तारीख / Reciprocity Date*		
देश / Country		
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो AUTOMATED DEVICE FOR EARLY DETECTION OF TOMATO DISEASES से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Malik Mobeen Ahmad 2. Prof. Pravej Alam 3.Prof. Saba Siddiqui 4.Dr. Tasneem Ahmed 5.Prof. Mohammad Faisal 6.Dr. Halima Sadia के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।		
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to AUTOMATED DEVICE FOR EARLY DETECTION OF TOMATO DISEASES in the name of 1.Dr. Malik Mobeen Ahmad 2. Prof. Pravej Alam 3.Prof. Saba Siddiqui 4.Dr. Tasneem Ahmed 5.Prof. Mohammad Faisal 6.Dr. Halima Sadia.		
डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.		
जारी करने की तिथि : Date of Issue : 11/11/2024	 महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न Controller General of Patents, Designs and Trade Marks	
*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वतः अधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है। The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.		



431956-001 Granted Dr. Deepti Srivastava

 INTELLECTUAL PROPERTY INDIA PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS		 पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India		ORIGINAL क्रम सं/ Serial No.: 183497
डिजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design				
डिजाइन सं. / Design No. : 431956-001		तारीख / Date : 27/09/2024		
पारस्परिकता तारीख / Reciprocity Date* :		देश / Country :		
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो GEL ELECTROPHORESIS APPARATUS FOR ANALYSING PLANT GENETIC MATERIAL से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Anand Kumar 2. Himani Punia 3. Annie Khanna 4. Naveen Rao 5. Dr. Shweta Sharma 6. Dr. Versha 7. Dr. Sagar 8. Dr. Jagdeep Singh 9. Dr. Akshay Kumar Vats 10. Dr. Deepti Srivastava के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।				
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to GEL ELECTROPHORESIS APPARATUS FOR ANALYSING PLANT GENETIC MATERIAL in the name of 1.Dr. Anand Kumar 2. Himani Punia 3. Annie Khanna 4. Naveen Rao 5. Dr. Shweta Sharma 6. Dr. Versha 7. Dr. Sagar 8. Dr. Jagdeep Singh 9. Dr. Akshay Kumar Vats 10. Dr. Deepti Srivastava.				
डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.				
जारी करने की तिथि : 25/10/2024 Date of Issue :		 महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न Controller General of Patents, Designs and Trade Marks		
*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वताधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है। The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.				

410870-001 **Granted** Uday Veer Singh

[illegible]



202411098609A Published Dr. Ayush Bhushan and Asfaq

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411098609 A

(19) INDIA

(22) Date of filing of Application :13/12/2024

(43) Publication Date : 03/01/2025

(54) Title of the invention : AN INTELLIGENT BIOMASS SHREDDER SYSTEM

(51) International classification :H02J0003380000, H02S0040320000, F03G0006000000, B02C0018140000, C10L0005440000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Annu

Address of Applicant :Research Scholar, Department of post-harvest process and food engineering, G. B. Pant university of agriculture and technology – Pantnagar, Uttarakhand-263145, India -----

2)Asfaq

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Annu

Address of Applicant :Research Scholar, Department of post-harvest process and food engineering, G. B. Pant university of agriculture and technology – Pantnagar, Uttarakhand-263145, India -----

2)Prof. Yadvika

Address of Applicant :Professor and Head Department of Renewable and Bio-energy engineering college of agricultural engineering and technology CCSHAU Hisar Haryana -125004, India -----

3)Dr. Ayush Bhushan

Address of Applicant :Assistant Professor, Department of Agriculture, Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow, Uttar Pradesh 226026, India -----

4)Asfaq

Address of Applicant :Assistant Professor, Department of Agriculture, Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow, Uttar Pradesh 226026, India -----

5)Priya Gond

Address of Applicant :Research Scholar, Department of post-harvest process and food engineering, G. B. Pant university of agriculture and technology – Pantnagar, Uttarakhand-263145, India -----

6)Pragya

Address of Applicant :M. Tech student, Department of post-harvest process and food engineering, G. B. Pant university of agriculture and technology -Pantnagar, Uttarakhand-263145, India -----

(57) Abstract :

The present invention pertain to the realm of Biomass Shredder and, more specifically to a solar-powered biomass shredder equipped with an intelligent feed-backward system, the system comprising a stainless-steel frame, a feeding hopper to feed the crop residue into a cutting unit (24), an electric motor and an AC servo motor to regulate the speed and direction of the motion in response to a feedback received, a plurality of solar panels with solar inverter to convert DC to AC to operate the system, a net meter connected to the solar inverter to measure the generation of electricity through solar panels. Fig. 1

No. of Pages : 23 No. of Claims : 9



202411039019A **Published** Asfaq, Gazia Nasir, Prof. Mohammed Haris Siddiqui and Prof. Saba Siddiqui

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411039019 A

(19) INDIA

(22) Date of filing of Application :17/05/2024

(43) Publication Date : 28/06/2024

(54) Title of the invention : SOLAR POWERED PORTABLE HYDROPONIC SETUP FOR SEED GERMINATION

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(51) International classification	:A01G31/02, A01G31/06, A01C1/02, H02J7/35	
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(57) Abstract :

ABSTRACT The present invention pertains seed germination system and, more specifically, to a solar-based hydroponics crop germination system comprising a hydroponic structure made up of aluminum sheets, a solar panel is installed at the top of the structure to absorb sunlight; a battery connected to the solar panel to store energy received from sun, a solar charger controller to shows the status of the battery, a blue LED light act as a chlorophyll production for crops, a hydroponic net cups to grow plants.

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(57) Abstract :

ABSTRACT The present invention discloses a domestic portable hydroponic system to grow plants with full portability allowing omnidirectional relocation, facilitating with easy assembly of variable height adjustment platform and minimal space utility. The system comprises a deep flow type hydroponic setup supported by a frame with four caster wheels, connecting rods, plant holding tubular platform, nutrition tank for supplying nutrient mixture to the plants.

No. of Pages : 28 No. of Claims : 9



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Patent Search

Invention Title	PREPARED AND INNOVATE OF FORMALDEHYDE-TREATED AGRICULTURAL WASTE – PEA (PISUM SATIVUM) STRAW RAW		
Publication Number	35/2022		
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Abstract:

The research work undertakes to examine the potential of acid-treated biological waste of agriculture Pea (Pisum sativum) straw Raw for the defluoridation of concentrated fluoride from groundwater following the chemical treatment using formaldehyde in 1:5 w/v ratio at 50° for 4 hours. The effects of working factors (i) pH (ii) Dose (iii) Time (i) fluoride concentration, were checked in the batch mode. The competence of prepared Pea straw Raw was matched with commercially available activated carbon (CAC) and desirable for working at neutral pH (7) conditions. The model of Langmuir Isotherm on adsorption data is enhanced applicability which showed monolayer adsorption over homogeneous adsorbents surface. The pseudo-second-order kinetics data ($R^2 = 0.98$) showed enhanced the results of experiment. The simple synthesis technique and raw material availability made these adsorbents a promising and cost-effective technique for the removal of concentration of fluoride of groundwater.



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Patent Search

Invention Title	DEVELOPMENT OF FORMALDEHYDE-TREATED AGRICULTURAL WASTE - OAT (AVENA SATIVA) STRAW		
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Publication Date	13/05/2022		
Publication Type	INA		
Application Number	202211026684		
Application Filing Date	09/05/2022		
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Field Of Invention	CHEMICAL		
Classification (IPC)	C02F0001280000, B01J0020200000, C02F0101140000, B01J0020220000, B01D0053020000		
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Dr. Rajesh Kumar Deolia	Mathematics Department, School of Sciences ITM University, Gwalior	India	India
Applicant			
Name	Address	Country	Nationality
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Anand Engineering College	Anand Engineering College, Keelham, Agra, Uttar Pradesh-282007	India	India

Abstract:

The research work examines the potential of acid-treated biological waste of agriculture Oat (Avena Sativa) straw for the removal of the concentration of fluoride from groundwater following the chemical treatment using formaldehyde in 1:5 w/v ratio at 50°. The effects of working parameters like initial concentration of fluoride, the effect time, effect of pH and effect of the dose were inspected in the batch mode. Developed adsorbent (Oat straw) efficiency was matched with commercially available activated carbon (CAC) and obtained desirable for working at the conditions of neutral pH. Langmuir isotherm on adsorption data is improved applicability which reflects monolayer adsorption over the homogeneous surface of adsorbents. The pseudo-second-order kinetics data ($R^2 = 0.985$) exhibited improved experimental results. The simple synthesis technique massive raw material availability made these adsorbents a promising and cost-effective technique for the defluoridation of groundwater.