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| Application Detail <mark>s</mark> |  |  |  |  |  |
|-----------------------------------|--|--|--|--|--|
| APPLICATION NUMBER                | <mark>20191101439</mark> 4   |  |  |  |  |
| APPLICATION TYPE                  | ORDINARY APPLICATION   |  |  |  |  |
| DATE OF FILING                    | 10/04/2019   |  |  |  |  |
| APPLICANT NAME                    | DR. INDU SHARMA  |  |  |  |  |
| TITLE OF INVENTION                | BIO-WASTE BASED REUSABLE BIOSORPTION MATERIAL FOR REMOVAL OF ARSENIC FROM WATER AND METHOD THEREOF |  |  |  |  |
| FIELD OF INVENTION                | CHEMICAL   |  |  |  |  |
| E-MAIL (As Per Record)            |  |  |  |  |  |
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| PRIORITY DATE                     |  |  |  |  |  |
| REQUEST FOR EXAMINATION DATE      |  |  |  |  |  |
| PUBLICATION DATE (U/S 11A)        | <mark>20/08/202</mark> 1   |  |  |  |  |

| Application Status                                  |                |  |  |  |  |  |
|---|----------------|--|--|--|--|--|
| Application status Awaiting Request for Examination |                |  |  |  |  |  |
|   | View Documents |  |  |  |  |  |



In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in



| FORM 1                                |  |                                       |                                       |             |  | (FOR OFFICE USE ONLY)                   |                                       |             |  |
|---------------------------------------|--|---------------------------------------|---------------------------------------|-------------|--|---|---------------------------------------|-------------|--|
| THE PATENTS ACT 1970 (39 of 1970) and |  |                                       |                                       |             |  | · •                                     |                                       |             |  |
| The Patents                           | Rules, 2003  |                                       |                                       |             |  |   | •                                     | •           |  |
| APPLICAT                              | TION FOR G   | <b>FRANT OF PA</b>                    | TEN                                   | T           |  |   |                                       |             |  |
| [(See section                         | n 7,54 & 135   | and sub-rule (1)                      | of r                                  | ule 20)     |  | 0                                       |                                       | 11001       |  |
|                                       |  | Application No                        | 0:                                    |             |  | 20                                      | 19110                                 | 19377       |  |
|                                       |  | Filing Date:                          | · · · · · · · · · · · · · · · · · · · |             |  | Govt. of India, Patent Office, New Dell |                                       |             |  |
|                                       |  | Amount of Fee Paid:                   |                                       |             |  |   | Received Rs 1750/- inCas              |             |  |
|                                       |  | CBR No:\                              | <u></u>                               |             |  | CHEQUE / M.O. / I.P.O. / DD4            |                                       |             |  |
|                                       |  | Signature                             |                                       |             |  | 1 0 APR 2019                            |                                       |             |  |
| _ <del>_ ,</del>                      | ANT'S REF  |                                       |                                       | •           | 1  | 1                                       |                                       |             |  |
| IDENTIFIC                             | CATION NO  | . (AS ALLOT                           | red                                   | BY          |  | Vide Entr                               | y No. 1119                            |             |  |
| OFFICE):                              |  |                                       |                                       |             |  |   | Register of Va                        | luables     |  |
| 2. TYPE O                             | F APPLICA  | TION [Please t                        | ick(\                                 | /) at the   | app  | de la chier                             | category]                             | 1           |  |
| Ordinary(√                            |  | Convention ()                         |                                       |             | <del> </del>   |   | PCT-NP()                              |             |  |
| Divisional                            | Patent of  | Divisional ()                         |                                       | Patent of A |  | ddition                                 | Divisional                            | Patent of   |  |
| ()                                    | Addition (   |                                       |                                       | ()          |  |   | ()                                    | Addition () |  |
|                                       | )  | ·                                     |                                       |             |  |   | ·                                     |             |  |
| 3A. APPLI                             | CANT(S)  |                                       |                                       |             |  |   |                                       |             |  |
| Name in Fu                            | 11   | Nationality                           | ationality Country of                 |             | Α  | Address of the Applicant                |                                       |             |  |
|                                       |  | Residence                             |                                       |             |  |   |                                       |             |  |
| DR. INDU                              | SHARMA   | INDIAN                                | INDIA                                 |             |  | Associate Professor                     |                                       |             |  |
|                                       |  |                                       |                                       |             |  | Department of Biotechnology             |                                       |             |  |
|                                       |  | · · · · · · · · · · · · · · · · · · · |                                       | • 1 -       | Maharishi Markandeshwar (Deemed to                   |   |                                       |             |  |
|                                       | •  |                                       |                                       |             | be University), Mullana, Ambala-133101, Haryana,     |   |                                       |             |  |
|                                       |  |                                       |                                       |             | ** I   | India.                                  |                                       |             |  |
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| 3B. CATE                              | GORY OF A  | PPLICANT [P                           | lease                                 | e tick()    |  | <del> </del>                            |                                       |             |  |
| Natural Per                           |  | Other than Nat                        |                                       |             |  |   | · · · · · · · · · · · · · · · · · · · |             |  |
|                                       |  | Small Entity () Startup (             |                                       |             |  | Others ()                               |                                       |             |  |
| 4. INVENT                             | OR(S) [Plea  | se tick(√) at th                      | e ap                                  | propria     | te cat   | tegory]                                 |                                       |             |  |
| Are all the i                         | inventor(s)  | Yes()                                 |                                       | •           | <del> </del>   | No (                                    | /)                                    |             |  |
|                                       | Are all the inventor(s) Yes () same as the applicant(s) No (✓) |                                       |                                       |             |  |   |                                       |             |  |
| named above?                          |  |                                       |                                       |             |  |   |                                       |             |  |
| 1                                     |  | l<br>ils of the invent                | or(s)                                 |             | <del></del>  |   |                                       |             |  |
|                                       |  |                                       |                                       |             | Δ  | rece of t                               | he Inventor                           |             |  |
| Name in Fu                            |  | Nationality                           |                                       | •           | ,,Auu  | ·                                       | ne macintal                           | •           |  |
|                                       |  |                                       | Kes                                   | idence      |  | <del> </del>                            |                                       |             |  |

|   |   |        |                                       |            |                            | ·   |  |  |
|---|---|--------|---------------------------------------|------------|----------------------------|---|--|--|
| DR. SHA   | H JYOTI                                 | · IN   | NDIAN                                 | INDIA      |                            | ) Scholar   |  |  |
|   |   |        |                                       |            | _                          | partment of Biotechnology                                     |  |  |
| Ŷ   |   |        | ·                                     |            |                            | Maharishi Markandeshwar (Deemed to l                          |  |  |
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|   |   |        |                                       |            | Pho                        | Phone no: 9417435707  |  |  |
| 5. TITLE  | OF THE I                                | INVEN  | TION: BI                              | O-WAS      | TE BASE                    | D REUSABLE BIOSORPTION  |  |  |
|   |   |        |                                       |            |                            | TER AND METHOD THEREOF  |  |  |
|   | ORISED R                                |        |                                       | IN/PA      | ·                          | ,   |  |  |
|   | FAGENT(S                                |        | <del></del>                           | Name       |                            |   |  |  |
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| 7 ADDD  | ESS FOR S                               | SERVI  | CEOF                                  | Name       |                            | DR. INDU SHARMA   |  |  |
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| AFFLIC  | ZN14 # #14 #14.                         |        | •                                     | Postal     | Address                    | Associate Professor   |  |  |
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|   | •                                       |        |                                       | Teleni     | none No.                   | 9896950821  |  |  |
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|   |   |        |                                       |            |                            |   |  |  |
| 8. IN CASE OF APPLICANT CLAIMING PRIORITY OF APPLICATION FIELD IN |   |        |                                       |            |                            |   |  |  |
| CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION         |   |        |                                       |            |                            |   |  |  |
| Country   | Applie F                                | A ili  | lame of the                           |            | Title of                   | IPC (as classified in the                                     |  |  |
|   | ation n                                 | g A    | pplicant                              |            | the                        | convention country)   |  |  |
|   | Numb D                                  | at     |                                       |            | inventior                  |   |  |  |
|   | er e                                    | į,     |                                       |            |                            |   |  |  |
| 9. IN CA  | SE OF PC                                | T NAT  | TONAL PH                              | IASE A     | PPLICAT                    | FION, PARTICULARS OF  |  |  |
|   |   |        | <del></del>                           | •          |                            |   |  |  |

| INTERNATIONAL AI       | PLICATION FILED UNDER PATENT CO-OPERATION      |
|------------------------|--|
| TREATY (PCT)           |  |
| -International         | International filing date                      |
| application number     |  |
| 10. IN CASE OF DIVI    | SIONAL APPLICATION FILED UNDER SECTION 16,     |
| PARTICULARS OF O       | RIGINAL (FIRST) APPLICATION                    |
| Original (First)       | Date of filing of Original (First) Application |
| application No.        |  |
|                        | ENT OF ADDITION FILED UNDER SECTION 54,        |
|                        | LAIN APPLICATION OR PATENT                     |
| Main                   | Date of filing of Main Application             |
| Application/Patent No. |  |
|                        |  |
| 12 DECLADATIONS        |  |

#### DECLARATIONS:

Declaration by the Inventor (in case the applicant is an assignee: the inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).

I/We, the above named inventor(s) is/are the true & first inventor(s) for this Invention and declare that the applicant(s) herein is/are my assignee or legal representative.

Dated: 4/4/2019

(Dr. JYOTI SHAH) Signature

(DR. INDU SHARMA) Signature

### (DR. RAJEEV SHARMA)

Signature

(ii) Declaration by the Applicant(s) in the convention counti

(In case the applicant in India is different than the applicant in the convention country: the applicant in the convention country may sign herein below or applicant in India may upload the assignment from the applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).

I/We, the Applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date:

| <b>/1</b> \   | -Signa    |      | / \ |
|---------------|-----------|------|-----|
| / <b>b.</b> \ | K - ~ ~ ~ | **** |     |
|               |           |      | _   |
| w             | DIELLU    |      |     |
|               |           |      |     |

(c) Name(s) of the signatory

### (iii) Declaration by the Applicant(s)

I/We, the Applicant(s) hereby declare(s) that: -

- □ I am /-We-are in possession of the above-mentioned invention.
- The provisional / complete specification relating to the invention is filed with this application.
  - The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant of patent to me/us.
  - There is no lawful ground of objection(s) to the grant of the Patent to me/us.
  - I am/We are the assignee or legal representative of true & first inventor(s).
  - The application or each of the applications, particulars of which are given in Paragraph-8 was the first application in convention country/countries in respect of my/our invention(s).
  - I/We claim the priority from the above mentioned application(s) filed in convention country/countries—and state that no application for protection in respect of the invention had been made in a convention—country before that date by me/us or by any person from which I/We derive the title.
  - My/our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph 9.
  - The application is divided out of my/our application particulars of which are given in Paragraph 10 and pray that this application may be treated as deemed to have been filed on DD/MM/YYYY under section 16 of the Act.
  - The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph 11.

## 13. FOLLOWING ARE THE ATTACHMENT WITH THE APPLICATION

#### (a) Form 2

| Details            | Fee  | Remarks  |
|--------------------|--|--|
| No. of pages: 12   | 4.   |  |
|                    |  | , n  |
| No. of claims:     |  |  |
| No. of pages:      |  |  |
| No. of pages: 1    |  |  |
| No. of drawings: 4 |  |  |
| No. of pages: 4    |  |  |
|                    | No. of pages: 12  No. of claims:  No. of pages:  No. of pages: 1  No. of drawings: 4 | No. of pages: 12  No. of claims:  No. of pages:  No. of pages: 1  No. of drawings: 4 |

# In case of complete specification, if the applicant desires to adopt the drawings filed with his provisional specification as the drawings or part of the drawings for the complete specification are required to be mentioned here.

(b) Complete specification/provisional specification (in connection with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).

10-Apr-2019/35379/201911014394/Form 1

- (c) Sequence listing in electronic form
- (d) Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).
- (e) Priority document(s) or a request to retrieve the priority document(s) from DAS (Digital Access Service) if the applicant had already requested the office of first filing to make the priority document(s) available to DAS.
- (f) Translation of priority document/Specification/International Search Report/International Preliminary Report on Patentability.
- (g) Statement and undertaking on Form 3
- (h) Declaration of inventor ship on Form 5
- (i) Power of Authority
- (i) .....

Total fee Rs. 1750/- (Rs. One thousand seven hundred fifty only) vide demand draft drawn from, MDFC Bank Mohale (No - 008149, dated 5/04/2019)

Dated: 4/4/2019

I/We declare that to the best of my/our knowledge, information and belief the fact and matters stated herein are correct and I/We-request that a patent may be granted to me/us for the said invention.

Dated: 4/4/2019

mdu shu o

DR INDU SHARMA
(Applicant)

To
The controller of patents
The patent office, at New Delhi