



PERSONAL DETAILS

NAME : DR RAJNI MATHUR
FATHER'S NAME SHRI S.B.MATHUR
DATE OF BIRTH 10 JUNE 1965
QUALIFICATION M,Sc.(Chem),Ph.D.
ADDRESS
(RES) 11 RAMDWARA COLONY
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CHIMANPURA SHAHPURA JAIPUR

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ACADEMIC ACHIEVEMENTS

I am throughout first division from secondary to M.Sc. (Physical Chemistry

Passed secondary examination from Rajasthan secondary board Ajmer in 1980 with **FIRST DIVISION**.

Passed Higher secondary Examination from Rajasthan secondary
Passed B.Sc.(Hons) Chemistry examination from University of Rajasthan in 1984 with **FIRST DIVISION WITH EIGHT POSITION IN MERIT**.

Passed M.Sc.(Physical Chemistry) examination from University of Rajasthan in 1987 with **FIRST DIVISION**.

Ph.D.in Chemistry from University of Rajasthan in 1990 topic "Electrochemical synthesis of organic semi conducting polymers".

WORK EXPERIENCE

1. Lecturer (Chemistry) 1992-1997 Govt P.G.College,Kaladera
2. Sr.Scale lecturer(Chem) 1997-2002 Govt P.G.College,Kaladera
3. Selection scale Lecturer 2018 - Cont. BBD GOVT COLLEGE
(Associate Professor)
Total teaching Experience (UG class) 28 Years
(PG class) 12 Years

RESEARCH EXPERIENCE

Total 26 years Research experience in the field of Electrochemistry

RESEARCH INTEREST

Electrochemical polymerization
Green Chemistry
Fuel cell
Graphene Chemistry

RESEARCH PROJECT (UGC) COMPLETED

”Electrochemical synthesis of polymer using superoxide as catalyst “sanctioned by UGC New Delhi vide letter No. 4-14(10)/96 (MRP/CRO) Date 4.12.96

Study of transition from semiconducting polymers to conducting polymer with the help of dopants” sanctioned by UGC vide letter No 4-85(3)/97 (MRP/CRO) Date 30/8/97

Study of transition from semiconducting polymer to conducting polymer with the help of New dopants” sanctioned by UGC vide file No. MS-391/304013/08-09/

“Electrosynthesis of polymer ; Role of super-oxide in fuel cell “ sanctioned by UGC vide letter No.MS-118/304023/11-12/CRO Dated 31/3/12

RESEARCH PUBLICATIONS

I have published 17 research paper on Electrochemistry and water chemistry in national and international journal of repute.

National Journal 10

International Journal 07

1. Electro polymerization and characteristics of semiconducting polymeric layers.

Bulletin of Electrochemistry (6) June ,1990 page 601-603.

2. Conductive and optical properties of polypyrrole and polythiophene.

Transaction of the SAEST Vol.29 No.1-2 (1990)

3. Dimerization of quinazoline compound catalysed by superoxide ion.

Transaction of the SAEST Vol.24 No.4 (1989)

4. Electrosynthesis of polymers : Role of super-oxide in fuel cell

Ori. J. Chem. Vol.5 No.2(1989) Page 111-113

5. Electrosynthesis of Benzoic acids via super oxide anion.

J. Electrochem. Soc. India 37-1-(1988)

6. Study of sulfate reduction phenomenon in well water of Daijar and bejnath villages of Rampura Mathania block of Jodhpur district of Rajasthan

Ori. J. Chem. Vol.9 No 1 (1993) Page 86-87

7. Toxicological and physiological effects of some organic contaminants in water due to pollution.

Oikoassay, Vol 10 (2) 1993 Page 35-36

8. Study of factors responsible for the change in ionic ratio and chemical composition in ground water from rampura mathania block of jodhpur district

J.I.W.W.A.(1996) Vol 28 Page 155-157

9. Geochemical study of chemical composition, type of water cationic and anionic combination and their relation with total dissolved solids from ground water of Rampura mathania block of jodhpur district of western rajasthan

Ori. J. Chem. Vol 11 No 1 (1995) Page 79-81

10. Geochemical study of water pollutants and their relationship between different indices in environ of Rampura mathania block of jodhpur district of western rajasthan

S.D.M.C.E.T. Dharwad (1997) Vol 1 Page 195-200

RECENT PUBLICATION (2013-14)

11. Electropolymerization of quinoline using Biphasic system, Inter.J.of Adv.research (2013) vol.1,issue-3 159-160 (publish online) in Physical science part.

Link

<http://www.journalijar.com/archive.php?rm=5&ry=2013&Ln=current>

12. Electrosynthesis of epoxy resin via superoxide anion, Int,J,Adv.research (2013) vol.1 issue 2 72-74(publish online) in Physical science part.

<http://www.journalijar.com/archive.php?rm=4&ry=2013>

13. Electrosynthesis and studies of optical and conductive properties of polymer with the help of superoxide in fuel cell technology

Acta cinnecia indica (2012) vol XXXVIII C No 4 Dec 12 169-170

14. Electrosynthesis of Benzoic acid derivatives and its polymers in the presence of super-oxide using fuel cell technology

Int.J.Chem.Sci.11(3) 2013 1519-1522

PAPERS PRESENT IN INTERNATIONAL CONFERENCE (FOREIGN VISIT) FUNDED BY UGC/DST/ORGANIZER

15. Polymeric pyridine and substituted pyridines as conductors

Presentation of paper in Advanced Electrochemical conference (AEES) organized by Department of Chemical Engineering Hong kong University of Science and Technology(HKUST) Hongkong w.e.f. 28 to 30 December 2011.

Registration fee was wave by organizer and provide local hospitality And UGC New Delhi sanctioned 100% travel grant for the above Visit vide UGC sanctioned No.F6-730/2011(TG) Date 11/12/11.

16. Electrosynthesis of semiconducting polymers

Gordon Research conference (GRC) on Electrodeposition Organized by University of Illionois ,USA w.e.f 29/7/12 to 3/8/12 .Registration fee was waive by organizer and Travel Grant was sanctioned by DST Rajasthan vide order No. D/TG/2010/12212 Dated 29.8.12

**17. Green Chemistry – A Gateway of Sustainable Development
And future**

**Gordon Research conference (GRC) on Green Chemistry
Organized at Chinese University of Hongkong, Hongkong
w.e.f. 27 July 2014 to 1st Aug. 2014. The visit was 100%
funded by Organizer Prof. Ken Seddon, Queens University
Belfast (UK)**

PAPER PRESENT IN NATIONAL LEVEL CONFERENCES

1. “Training in research Diplomacy, by CUTS india jaipur w.e.f. 14 to 18 Nov 2011.(Ref.No. Training calendar of DST Sr..No.26, Training Programme for Scientist)
2. Department of Science and Technology sponsored programme Faculty recharge programme organized by RAJCON Jaipur at Rajasthan Engineering College, Dausa w.e.f. 5th Jan 2013 to 17 Jan 2013
3. International seminar on “Active Polymers” organized by Department of Physics, BHU Varansi w.e.f. 4 to 8th Nov 2013.
4. Workshop on Quantum Biology (Bioelectrochemistry) organized by IIT Jodhpur w.e.f. 25th to 27th Jan 2013
5. National conference on Environments organized by Department of environment Subodh P.G. College Jaipur w.e.f. 21 to 23 Dec 2011.
6. National conference on Green Chemistry organized by Department of Chemistry, Govt R.R. College, Alwar (Raj)
7. Workshop on Dug well recharge, efficiency organized by CGWB Jaipur on 18/3/2010.
8. Workshop on Ground management and governance for sustainable development organized by CGWB Jaipur on 09/03/2010.
All india seminar ICC theme:- Nano technology w.e.f. 6-7th oct 2012
At institute of Engineers, Rajasthan chapter, Gandhi Nagar, Jaipur

MEMBERSHIP/FELLOWSHIP OF LEARNED SOCIETY:-

- 1. Indian Chemical Society, Kolkata.**
- 2. Electrochemical Society of India.**
- 3. SAEST Karaikudi India.**
- 4. Indian Science Congress Association, New Delhi India**

NOTABLE ACHIEVEMENTS

INSA AWARD 2013

Indian National Science Academy ,New Delhi awarded me summer fellowship 2013 at famous CSIR lab “Central Electrochemical Research Institute Karaikudi.

TRAVEL GRANT FOR CONFERENCE(SANCTIONED BY UGC/DST/ORGANIZER)

1. UGC travel grant for presentation of paper at Hongkong university of science and technology Hongkong , Hongkong (2011)
2. DST travel grant for presentation of paper (GRC) at USA (2012)
3. GRC travel grant for presentation of paper at Hongkong (2014)

CONFERENCE ORGANIZE

I am organizing National conference on Green Chemistry – Bridge between Energy and Environment ON 15-16 DEC 2014 AT GOVT P.G.COLLEGE, DAUSA (RAJ) funded by UGC and DST.

Convenor in national conference organize by Government College thanagazi jan 2018 on Biodiversity

Convenor in webinar organize by BBD COLIEGE CHIMANPURA On the occasion of Anandam day celebration November 2020

Convenor in webinar organised by BBD GOVT COLLEGE CHIMANPURA SHAHPURA on the occasion of Anandam day celebration Date December 2021

Convenor in webinar organize by BBD GOVT College CHIMANPURA SHAHPURA on the occasion of Anandam day celebration January 2021

**Convenor in webinar organize by BBD
GOVT College CHIMANPURA
SHAHPURA on the occasion of
Anandam day celebration February
2021**

**Convenor in webinar organize by BBD
GOVT College CHIMANPURA
SHAHPURA on the occasion of
Anandam day celebration March 2021**

EDITORIAL BOARD

1. Journal Ecronicon Chemistry (UK)
2. UREBE (Universal researcher in Environment Biological Engineering.
3. IICBEE (International institute of Chemical , Biological and Environment Engineering.

COURSE ATTENDED :

I have successfully completed one orientation and four refresher course organized by staff Academic college, Jaipur

OTHER INFORMATION:-

Examiner and paper setter

1. University of Rajasthan
2. M.D.S.University Ajmer
3. J.N.V.University. Jodhpur
4. Rajasthan secondary board Ajmer

Innovation skill

Lesson planning according to syllabus

2 Problem solving skills/interaction with students and parents—via open discussion (face to face) Now a days due to covid online discussing Interaction with parents through parents teachers meeting

3.Time Management _Multi tasking is essential for time management

4. Quality Teaching skill/Teaching methods _Open discussion, easily availability for students

**LANGUAGE PROFICIENCY—
Hindi & English**

