

FULL NAME : DR.(MRS.) KANA MANI MUKHERJEE
DESIGNATION : PRINCIPAL (FROM 22ND DECEMBER 2023)
CHITTARANJAN COLLEGE,
8A, BENIATOLA LANE , KOLKATA-700009.
ADDRESS(RESIDENCE &
CORRESPONDENCE) : RUCHIRA RESIDENCY (TOWER-3/ FI – 4/2)
(Near RUBY HOSPITAL)
369, K. M. ROAD (E M BYPASS, ABHISHIKTA)
KOLKATA-700078.
MERITAL STATUS : Married
NATIONALITY : Indian
RELIGION : Hinduism
EMAIL ID : manikana410@gmail.com
MOBILE NO. : 8240047460

DATE OF JOINING TO MALDA COLLEGE AS ASSISTANT PROFESSOR OF PHYSICS IN A
SUBSTANTIVE POST : 23. 05. 1998.

DATE OF JOINING TO SREE CHAITANYA COLLEGE, HABRA : 01. 03. 2007.

TEACHING EXPERIENCE IN MALDA COLLEGE : From 23.05.98 to 28.02.07 : 8 Yrs 9 Months

IN SREE CHAITANYA COLLEGE : From 01.03.2007 to 21.12.23 : 16 Yrs + 10 Months

TOTAL TEACHING EXPERIENCE (FULL TIME) : 25 Years +

HEAD OF THE DEPT IN SREE CHAITANYA COLLEGE : Total Five years :

From : 28.05.2010 To 11.07.2012 (2Yrs +)

and

From : 03.08.2018 To 15.07.2021(~ 3 yrs-).

ORIENTATION & REFRESHER COURSES ATTENDED

1. **ORIENTATION PROGRAMME** : From 09.03.02 to 05.04.02(28 Days) : Academic Staff
College, Burdwan University.

2. **REFRESHER COURSE IN PHYSICS** : From 06.11.06 to 25.11.06 (21 Days) : : Academic Staff College, Calcutta University.

3. **REFRESHER COURSE IN PHYSICS** : From 01.09.08 to 20.09.08 (21 Days) : : Academic Staff College, Calcutta University.

ACADEMIC QUALIFICATIONS :

| Sl.No | Examination Passed | Name of the Board/College/ University/ Institute | Year of passing | Divn./Class/Grade obtained | Subject /Field |
|-------|--|--|-----------------|----------------------------|--|
| 1 | Secondary level | WBBSE | 1983 | 1 ST Divn. | BENG,ENG,MATH, PHYSIC, LIFESC, HIST, GEOGRAPHY, Phys Edn.WorkEdn. PHYS(ADDL) |
| 2. | H. S. Level | WBCHSE | 1985 | 1 ST Divn. | BENG, ENG, PHYS., CHEM, MATH, BIOL. |
| 3. | Bachelor Level | C.U./ Lady Brabourne College | 1988 | 2 ND Class | PHYS(H), MATH(P), CHEM(P), ENGL(COMPL) |
| 4. | Master's level | VISV-BHARATI UNIV | 1991 | 1 ST Class | Specialisation on Particle Physics |
| 5 | NET | UGC-CSIR | 1991 | CSIR | Physical Science/Physics |
| 6. | B.Ed. | Burdwan University. | 1992 | 1 ST Class | Education |
| 7. | PhD | J.U./IACS | 1997 | Awarded | Laser Raman Spectroscopy [SERS] |
| 8. | Post Doctoral Fellowship (PDF) (of Spanish Govt & Ministry of Education & Culture) | I.E.M. MADRID SPAIN | 1999-2001 | 1+1 | SERS of Pesticides in Silver, Gold & Copper Colloid. |

AWARDS :

1. NATIONAL SCHOLARSHIP (1983).

2. JUNIOR RESEARCH FELLOWSHIP (NET, CSIR) 1991.

3. SENIOR RESEARCH FELLOWSHIP (CSIR) 1994.

4. RESEARCH ASSOCIATESHIP (CSIR) 1997.
5. POST DOCTORAL RESEARCH FELLOWSHIP (MINISTRY OF EDUCATION AND CULTURE, GOVT OF SPAIN)1999.

RESEARCH EXPERIENCE : From AUGUST 1992 To JULY 2001(Nine Years).

I. PH.D. from JADAVPUR UNIVERSITY (awarded on 27.08.97), worked in the **FIELD OF LASER RAMAN SPECTROSCOPY** under the supervision of PROF. DR. T. N. MISRA in the DEPARTMENT OF SPECTROSCOPY, IACS, JADAVPUR.

II. **POST DOCTORAL RESEARCH EXPERIENCE** : (1+1) Years (From 21.08.1999 to 17.08.2001)under the supervision of PROF.DR. JOSE VICENTE GARCIA-RAMOS. in **INSTITUTO DE ESTRUCTURA DE LA MATERIA (MADRID, SPAIN)** with Financial support from SPANISH MINISTRY OF EDUCATION AND CULTURE, **GOVT. OF SPAIN**, worked in the FIELD OF **SURFACE ENHANCED RAMAN SPECTROSCOPIC STUDY (SERS) ON SILVER, GOLD AND COPPER COLLOIDS.**

LIST OF PUBLICATIONS

RESEARCH PUBLICATIONS IN PEER REVIEWED INTERNATIONAL JOURNALS

1. Surface Enhanced Raman Spectra of isomeric acetylpyridines adsorbed on silver sol :
K. Mukherjee, U. K. Sarkar and T. N. Misra , Spectrochimica Acta Part A 50, 2355 (1994).
ISSN : 1386-1425, Publisher : ELSEVIER, I. F. : 4.08.
2. Surface Enhanced Raman Spectra of isomeric Phenetidines in silver colloids.
K. Mukherjee, A. K. Maity, T. N. Misra and S. K. Nandy, Spectrochimica Acta Part A 52, 5 (1996). ISSN : 1386-1425, Publisher : ELSEVIER, I. F. : 4.08.

3. Surface Enhanced Raman Spectra of isomeric Formyl Pyridines in silver colloids,
K. Mukherjee, T. N. Misra and S. K. Nandy, J. Colloid and Interface Science, 181, 413
 (1996) **ISSN : 0021-9797**, Publisher: **Elsevier (Academic Press)**, **I. F. : 6.361**
4. Surface Enhanced Raman Spectra of 2- and 3- Hydroxy Pyridines in silver Sol,
K. Mukherjee, T. N. Misra, J. Raman Spectroscopy, 27,595 (1996) **ISSN : 0377-0486** ,
 Publisher : **John Wiley & Sons**, **I. F. : 3.133.**
5. Hydration of Pyridine-4-aldehyde at the silver water interface : a pH dependent Surface
 Enhanced Raman Study :
K. Mukherjee and T. N. Misra, J. Chem. Soc. Perkin Transaction 2 , (Issue 10) 2227 (1996),
ISSN : 0300-9580, Publisher: **RSC Publishing**, **I. F. : 1.896.**
6. Surface Enhanced Raman Spectroscopic study of 2- and 3-Chloro Thiophenes in silver
 Hydrosol :
K. Mukherjee, T. N. Misra, Spectrochimica Acta Part A 53A, 1439 (1997) **ISSN : 1386-1425**,
 Publisher : **Elsevier**, **I. F. : 4.08.**
7. Surface Enhanced Raman Spectroscopic study of 2- and 3-Bromo Thiophenes in silver
 Hydrosol :
K. Mukherjee, T. N. Misra, Bull. Chem.Soc.Japan, 70(2), 301(1997), Publisher : **The
 Chemical Society of Japan**, **ISSN : 0009-2673**, **I. F. : 5.44.**
8. **Review on Surface enhanced Raman scattering in silver hydrosol : effect of charge
 transfer interaction.**
K. Mukherjee, T. N. Mishra, Bulletin of Laser Spectroscopy of India, 8, Pg : (47-67)
 (1994-1997), Publisher – **Bulletin of Laser Spectroscopic Society of India**,
ISSN:2229- 3752, Indexed in DOAJ, **I. F. : N.F.**
9. Spectroscopic study of 1,2 diphenylindole assembled in Langmuir-Blodgett films.

D. Bhattacharya, **K. Mukherjee**, T. N. Mishra, *Molecular Materials*, 9, 181(1998),

Publisher : **Taylor & Francias, ISSN:1058-7276, I.F. : N.F.**

10. Surface enhanced Raman spectra of 2, 3-Methylthiopenes in silver colloids.

K. Mukherjee, D.Bhattacharya, T. Mishra, *Journal of Colloid and Interface Science*, 213, 46 (1999), Publisher : **ELSEVIER(Academic Press), ISSN : 0021-9797, I. F. : 6.361.**

11. Surface enhanced Raman spectra of Formylthiopenes in silver colloids.

K. Mukherjee, D.Bhattacharya, T. Mishra, *Journal of Colloid and Interface Science*, 213, 46 (1999), Publisher : **ELSEVIER(Academic Press) ISSN : 0021-9797, I. F. : 6.361.**

12. Spectroscopic properties of non-amphiphilic 1-pyrene 3-carboxy aldehyde assembled in Langmuir-Blodgett films, D.Bhattacharya, **K. Mukherjee**, T. Mishra, *Journal of Physics and Chemistry of Solids*, 61, 751 (2000), Publisher – **ELSEVIER, ISSN:0022-3697, I. F. : 3.995.**

13. Solvent effect of copper thalocyanine adsorbed in silver colloid,

K. Mukherjee and T.N.Mishra, *Journal of Colloids & Surface B: Biointerface*, 17, 139 (2000), Publisher : **ELSEVIER, ISSN:0927-7765, I. F. : 5.268.**

14. A pH dependent SERS of Hypoxanthine in silver sol.

J. Chowdhury, **K. Mukherjee**, T. N. Mishra, *Journal of Raman Spectroscopy*, 31, 427 (2000), Publisher – **John Wiley & Sons, ISSN:0377-0486, I. F. : 3.133.**

15. Raman & SERS of insecticides Cyromazine.

K. Mukherjee, S. Sanchez-Cortez, J.V. Garcia-Ramos, *Vibrational Spectroscopy*, 25, 91 (2001), Publisher – **ELSEVIER, ISSN : 0924-2031, I. F. : 1.861 .**

RESEARCH PUBLICATIONS IN INTERNATIONAL/NATIONAL CONFERENCE :

1.Surface Enhanced Raman Spectra of isomeric acetylpyridines adsorbed on silver sol,

K. Mukherjee and T. N. Misra, Proc. Saha Centenary International Symposium on Spectroscopy and Astrophysics, at Allahabad University, India, Oct. 4-6, 1993.

2. Surface Enhanced Raman Spectra of Hydroxy Pyridines in silver Sol,

- K. Mukherjee** and T. N. Misra, the National Laser Symposium on Instrumental Research and Developmental Establishment, at Dehradun, at Dehradun, India, February 10-14 (1995).
3. Surface enhanced Raman Spectroscopic study of isomeric 4 Formyl thiophene in silver colloid.
K. Mukherjee and T. N. Misra , Proc. Of the International Conference on Spectroscopy : Perspective & Frontiers(INCONS), Bhaba Atomic Research Centre (BARC), India, Jan-3-5, Pg 177 (1996).
4. Surface enhanced Raman Spectroscopic study of 2 Formyl Thiophene in silver colloid.
K. Mukherjee and T. N. Misra, Proc. of the Xth International Conference on Raman Spectroscopy, University of Pittsburgh, USA, Pg-706, Aug 11-16 (1996).
5. Surface enhanced Raman (SER) and infra- red (SEIR) spectroscopy of the Pesticides Thiram and Cyromazine,
K. Mukherjee, S. Sanchez-Cortez, J.V. Garcia-Ramos, Proc. Of the XVII International Conference on Raman Spectroscopy, Peking, China, Aug 20-25, Pg- 266 (2000).
6. Chemical Modification of Phenols & Phenolic benzoic acid with Environmental interest in presence of silver surface.
M. Alvarez-Ros, **K. Mukherjee**, S. Sanchez-Cortez, J. V. Garcia-Ramos, O. Fancisco, in 9th European Conference on Spectroscopy of Bio-molecules, Prague, Czech Republic, Sept 8-13 (2001).

.....⊗.....

