



Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

(Phone No. - 011-7121 9084 : Email - principal@kmc.du.ac.in)



Print Date : 15-02-2026

1. Personal Profile

Title: Dr. First Name: **MAYANGLAMBAM** Last Name: **RAMANANDA SINGH**



Designation: **PROFESSOR** Mobile No. -----

Phone No. (Office) ----- Phone No. (Residence): -----

Email: **rsingh@kmc.du.ac.in** Webpage: -----

Facebook: ----- Twitter: -----

LinkedIn: ----- Instagram: -----

Youtube: ----- Research Gate Link: -----

Google Scholar Link: -----

Address: -----

2. Educational Qualifications

| Degree/ Certification | Institution | Year |
|-------------------------|---------------------------------------|------|
| M.Sc. Chemistry | Delhi University | 2002 |
| Ph.D | University of Delhi | 2007 |
| M.Sc. (Chemistry) | University of Delhi | 2002 |
| B.Sc. (Hons.) Chemistry | Hans Raj College, University of Delhi | 2000 |
| Ph.D | University of Delhi | 2007 |

3. Career Profile & Administrative Assignments

| Category | Role/ Designation | Department/ Committee | Date From - To | Remarks |
|----------------------------|-------------------|--------------------------------------|---------------------------|---------|
| CAREER PROFILE | TEACHER-IN-CHARGE | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 01.May.2013 - 30.Apr.2014 | |
| CAREER PROFILE | NODAL OFFICER | SC/ST CELL KIRORI MAL COLLEGE, DELHI | 15.Dec.2019 - 14.Dec.2021 | |
| ADMINISTRATIVE ASSIGNMENTS | COORDINATOR | OTHERS KIRORI MAL COLLEGE, DELHI | 06.Nov.2015 - 22.Jun.2016 | |

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| ADMINISTRATIVE ASSIGNMENTS | SECRETARY | OTHERS KIRORI COLLEGE, DELHI | MAL | 01.Jun.2018 - 01.Apr.2021 | |
| ADMINISTRATIVE ASSIGNMENTS | SECRETARY STAFF COUNCIL | OTHERS KIRORI COLLEGE, DELHI | MAL | 01.Jul.2018 - 30.Apr.2021 | |
| ADMINISTRATIVE ASSIGNMENTS | COORDINATOR | IQAC KIRORI MAL COLLEGE, DELHI | | 01.Aug.2021 - 31.Jul.2023 | |

4. Other Profiles

Other Profile Name/ Description

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Member, Academic Council, University of Delhi, Delhi-110007 from 2015-2017

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Member, Academic Council, University of Delhi, Delhi-110007 for 2017-2019

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

1st National conference on emerging trends and future challenges in chemical science (ETFC-2016) was organised on feb. 3-4, 2016 by department of chemistry, Kirori Mal College

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

THE NATIONAL CONFERENCE ON ETFC-2020 FROM 10TH JANUARY -11 JANUARY, 2020 ORGANISED AS CONVENER

FACULTY DEVELOPMENT PROGRAM (FDP) ORGANIZED

FACULTY DEVELOPMENT PROGRAM ON ENVIRONMENT SCIENCES AND PUBLIC HEALTH FROM 1ST-5TH FEB. 2022

CERTIFICATE COURSE/ SHORT TERM COURSE ORGANIZED

CERTIFICATE COURSE IN METAGENOMICS AND BIOINFORMATICS BY IQAC IN ASSOCIATION WITH PHIXGEN PVT. LTD. FROM 1ST JULY - 19TH JULY 2022

5. Research Guidance

| Year | Guide For | Title of the Dissertation/ Thesis | Scholar Name | Status |
|------|-----------|-----------------------------------|--------------|--------|
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6. Research Projects

| Year | Title of Project | Sponsorship Agency | Duration | Amount Sanctioned | Date of Sanction |
|------|------------------|--------------------|----------|-------------------|------------------|
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7. Publications

| Category | Publication Name | Title | Name of Author | Reference Link/ DOI Link | Publication (Month-Year) |
|-------------------------------|---|-------------------------------------|---|------------------------------|--------------------------|
| JOURNAL PAPER (International) | The litchi (<i>Litchi Chenensis</i>) peels extract as a potential green inhibitor in prevention of mild steel in 0.5 H ₂ SO ₄ solution | Arabian Journal of Chemistry | M. Ramananda Singh, Prachi Gupta and Kaushal (Corresponding Author) | 10.1016j.arabc.2015.01.002 | September 2019 |
| JOURNAL PAPER (International) | Synthesis of Cu@Cu ₂ Fe ₂ O ₄ nano composite and its application as an efficient catalyst for the production of oxygen | Applied Surface Science Advance | Kalpita Baruah, Arun Kant, Panmei Gaijon, Sudipta Ghosh, M. Ramananda Singh (Sole Author, Corresponding Author) | 10.1016j.apsad.2021.100130 | July 2021 |
| JOURNAL PAPER (International) | The litchi (litchi chemists) peels extract as a potential green inhibitor in prevention of corrosion of mild steel in 0.5 M H ₂ SO ₄ solution | Arabian Journal of Chemistry | M. Ramananda Singh, Prachi Gupta & Kaushal Gupta (First Author) | 10.1016j.arabjc.2015.01.002 | December 2019 |
| JOURNAL PAPER (International) | Synthesis of valuable transition metal incorporated framework aluminosilicates using waste material fly ash | Chemical Science Review and Letters | Arun Kant, M. Ramananda Singh, Sudipta Ghosh & Panmei Gaijon (Joint Author) | | December 2019 |
| JOURNAL PAPER (International) | Synthesis of Cu@CuFe ₂ O ₄ nano composite and its application as an efficient catalyst for the production of oxygen | Applied Surface Science Advances | Kalpita Baruah, Arun Kant, Panmei Gaijon, Sudipta Ghosh & M. Ramananda Singh (Corresponding Author) | 10.1016j.apsadv.2021.1000130 | June 2021 |

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| JOURNAL PAPER (National) | Elsholtzia Griffith as an eco-friendly anticorrosive inhibitor of mild steel under acid medium | Material Chemistry and Physics | Pebam Sanjeeta Devi, Arun Kant, Panmei Gaijon, Sudipta Ghosh, Neelu Dheer, Rajni Kanojia, Prashant Singh and M. Ramananda Singh (Corresponding Author) | 10.106/j.matchemphys.2023.127776 | April 2023 |
| JOURNAL PAPER (International) | Synthesis, characterisation of the valuable hydroxysodalite and its application for remediation of toxic dye: Rhodamine B | European Chemical Bulletin | Panmei Gaijon, M. Ramananda Singh, Sudipta Ghosh and Arun Kant (Joint Author) | 10.31838/ecb/2023.12.4.055 | April 2023 |
| JOURNAL PAPER (International) | Photodegradation of methylene blue and rhodamine B using potato starch mediated zinc oxide nanoparticles and its calcium nano composites: Greener approach | Applied Chemical Engineering | Darshan Singh, Anuradha, Surendra Kumar, Amar Kumar, Neelu Dheer, M. Ramananda Singh, Rajni Kanojia, Sangeeta Kaul, Ishwar Prasad Sahu (Joint Author, Corresponding Author) | 10.24294/ace.v6i1.1998 | July 2023 |
| JOURNAL PAPER (International) | Unravelling groundwater contamination and health-related implications in semi-arid and cold regions of India | Elsevier | Ratandeep, Akshat Bhanu Dharmani, Manisha Verma, Sanjeeta Rani, Anita Narang, M. Ramananda Singh, Laishram Saya, Sunita Hooda (Joint Author) | 10.1016/j.jconhyd.2024.104303 | January 2024 |

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|-------------------------------------|--|---------------------------------|---|------------------------------------|---------------|
| JOURNAL PAPER (International) | Recent advances in sensing toxic nerve agents through DMMP model simulant using diverse nanomaterials-based chemical sensors | Talanta | Laishram Saya, Ratandeep, Bipasa Arya, Kanjika Rastogi, Manisha Verma, Sanjeeta Rani, Prasanta Kumar Sahu, M. Ramananda Singh, W. Rameshwor Singh, Sunita Hooda (Joint Author) | 10.1016/j.talanta.2024.125785 | February 2024 |
| JOURNAL PAPER (International) | Miniaturized droplets flow reactor for one-step highly controlled synthesis of SnO ₂ quantum dots at room temperature | Engineering Research Express | Vibhav Katoch, Naveen Kumar Arjunan Shanmugam, Alisha Rohal, M Ramananda Singh, ManishKaushal and BhanuPrakash (Joint Author) | 10.1088/2631-8695/ad26dd | February 2024 |
| JOURNAL PAPER (International) | Anticorrosive activity of Melothria perpusilla: A renewable and sustainable inhibitor | Materials Chemistry and Physics | Arun Kant, Panmei Gaijon, Sudipta Ghosh, M. Ramananda Singh (Corresponding Author) | 10.1016/j.matchemphys.2024.129798 | August 2024 |
| CHAPTER (International) | Progressive functions of ionic liquids in polymer chemistry | ELSEVIER | Panmei Gaijon, Arun Kant, Sudipta Ghosh, M. Ramananda Singh (Joint Author) | 10.1016/B978-0-323-99921-2.00010-0 | March 2023 |
| CHAPTER (International) | Wearable Supercapacitors | Wiley | Pretty Ahuja, Sanjeev Kumar Ujjain, M. Ramananda Singh, Neelu Dheer, Rajni Kanojia (Joint Author) | | October 2023 |

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|---------------------------------|---|---|---|---|---------------|
| RESEARCH PAPERS (International) | Self-aggregation behavior of well-defined PEO-based amphiphilic tri-block copolymers and their application as metal detectors | JOURNAL OF MACROMOLECULAR SCIENCE, PART A: PURE AND APPLIED CHEMISTRY | Palash Jyoti Das, Vishnu Kumawat, Manisha Singla, M. Ramananda Singh & Subash Chandra Mohapatra (Joint Author) | https://doi.org/10.1080/10601325.2024.2431933 | December 2024 |
| RESEARCH PAPERS (International) | Electrochemical and theoretical studies of 1-(pyridyl-2-azo)-naphthol-2 for control of corrosion of mild steel under H ₂ SO ₄ environment | Sustainable Chemistry for the Environment | Rajni Kanojia a O, Sunita Hooda", Bipasa Arya", Amal Joshy", Neeti Misra" M. Ramananda Singh d,* , Shramila Yadav', Sangeeta Kaul O, Neelu Dheer", Himanshu, (Corresponding Author) | doi.org/10.1016/j.scenv.2024.100202 | December 2024 |
| RESEARCH PAPERS (International) | Allyl triphenyl phosphonium bromide, an ionic liquid as an eco-friendly and green inhibitor for corrosion of aluminium in hydrochloric acid: Mechanistic insights and experimental validation | Sustainable Chemistry for the Environment | Mansi Y. Chaudharya , Meenakshi Gupta b, * , Prerna Bansal a , Yudhvir S. Sharma a , Neelu Dheer c , Arun Kant d , M. Ramananda Singh d , Shramila Yadav (Joint Author) | doi.org/10.1016/j.scenv.2025.100206 | January 2025 |

8. Books

| Category | Book Name | Title | Name of Author | ISSN/ ISBN Number |
|----------|-----------|-------|----------------|-------------------|
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9. Faculty Achievements

| Year | Category of Achievement | Role | National/ International etc. | Name | Date From-To |
|------|-------------------------|------|------------------------------|------|--------------|
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|------|---|---------------------|---------------|---|---------------------------|
| 2017 | SEMINAR ATTENDED | ASSISTANT PROFESSOR | National | Environment, sustainability development and future perspective in northeast India: epic and epic dynamics | 02.Oct.2017 - 03.Oct.2017 |
| 2017 | SEMINAR ATTENDED | ASSISTANT PROFESSOR | National | Environment, sustainability development and future perspective in northeast India: epic and epic dynamics | 02.Oct.2017 - 03.Oct.2017 |
| 2017 | SEMINAR ATTENDED | ASSISTANT PROFESSOR | National | Environmental sustainability and conservation: issues and challenges in 21st century | 15.Nov.2017 - 15.Nov.2017 |
| 2018 | INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED | ASSISTANT PROFESSOR | University | DU PRE-ENTRANCE SUMMER SCHOOL-2018 | 01.Jun.2018 - 16.Jun.2018 |
| 2019 | WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED | ASSISTANT PROFESSOR | University | WORKSHOP CUM ORIENTATION PROGRAMME ON LEADERSHIP IN EDUCATIONAL ADMINISTRATION FOR ACADEMIC ADMINISTRATORS IN UNIVERSITIES AND COLLEGES | 04.Jul.2019 - 26.Jul.2019 |
| 2019 | INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED | ASSISTANT PROFESSOR | International | iINDIAN ANALYTICAL CONGRESS-2019 | 12.Dec.2019 - 12.Dec.2019 |
| 2020 | FACULTY DEVELOPMENT PROGRAM ATTENDED | ASSISTANT PROFESSOR | College | ICT: INSTRUCTIONAL DESIGN, DEVELOPMENT AND LEARNING ANALYTICS | 24.Jul.2020 - 30.Jul.2020 |
| 2020 | INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED | ASSISTANT PROFESSOR | National | RELATIONSHIP BETWEEN CHEMICAL SCIENCES AND SOCIETY | 16.Jan.2020 - 17.Jan.2020 |
| 2021 | INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED | ASSISTANT PROFESSOR | University | ONLINE FACULTY DEVELOPMENT PROGRAM | 09.Aug.2021 - 13.Aug.2021 |
| 2021 | FACULTY DEVELOPMENT PROGRAM ATTENDED | ASSISTANT PROFESSOR | National | THE CATALYST FOR CHANGE | 14.Jul.2021 - 28.Jul.2021 |
| 2021 | WEBINAR ATTENDED | ASSISTANT PROFESSOR | National | IMPLEMENTATION OF ACADEMIC BANK OF CREDITS | 10.Jul.2021 - 10.Jul.2021 |
| 2022 | WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED | ASSISTANT PROFESSOR | National | NIRF INDIA RANKINGS-2022 | 05.Jan.2022 - 06.Jan.2022 |

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| 2023 | SEMINAR ATTENDED | ASSOCIATE PROFESSOR | National | BRIDGE-2023 | 16.Aug.2023 - 16.Aug.2023 |
| 2023 | INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED | ASSOCIATE PROFESSOR | International | BASICS, ANALYTICAL AND ALLIED SCIENCES AT THE INTERFACE OF CARBOHYDRATES AND BIOMASS VALORISATION | 30.Nov.2023 - 02.Dec.2023 |

Dr. MAYANGLAMBAM RAMANANDA SINGH