

CURRICULUM VITAE



DR. RAMSINGH KURREY

M.Sc., Ph.D. PDF (Chemistry)

Post Doctoral Fellow (PDF)

National Center for Natural Resources,

Pt. Ravishankar Shukla University, Raipur-492 010, C.G., India

Mob No: +91-62646 90431

+91-88896 29675

Email: ramsinghkurrey@gmail.com

“Life is a name of activeness with solving capacity of problem and learning positiveness.” The chemistry is vital role play in the whole life relation with another subject. “The human conception of cause and effect always somewhat simplified the objective connection of the phenomena of nature”–*V. I. Lenin* “More useful of education is always perfectness for successful to us i.e. fountain of knowledge and quality control.” I also believe that each curriculum vitae should include data such as:

PERSONAL DETAILS

Name	: DR. RAMSINGH KURREY
Father' Name	: Shri (Lt.) Mangal Das Kurrey
Mother' Name	: Smt. (Lt.) Bhagawati Kurrey
Date of Birth	: 15 th June, 1989
Blood Group	: O ⁽⁺⁾ Positive
Category	: Schedule Cast (SC)
Marital Status	: Unmarried
Religions	: The Hindu
Language Known	: Hindi and English
Nationality	: INDIAN
Permanent Address	: Village + Post + Thana – Maro (Sonikapara), Satnam Ward No.: 02, Sadakpara Tahsil- Nawagarh, District- Bemetara, (Chhattisgarh), Pin Code- 491340, India
Present Address	: Ramsingh Kurrey C/O Krishna Kumar Kurrey, Neem Ped Chouk, Satnami Para, Khamtarai, Raipur, (Chhattisgarh) Pin Code- 432010, India
Official Address	: School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur-492 020, Chhattisgarh, India
E-mail	: ramsinghkurrey@gmail.com , ramsinghchem@gmail.com
Mobile No.	: +91-88896 29675, +91-62646 90431

EDUCATIONAL DETAILS

Ph.D., Chemistry (Analytical and Environmental)

(Thesis Title: Fourier transform infrared spectroscopy of some selected surface active agents and their quantitative analysis),

(Under the Supervision: Prof. Dr. Manas Kanti Deb)

School of Studies in Chemistry, Pt. Ravishankar Shukla University Raipur, Chhattisgarh, India, **30-10-2019**

M.Sc., Chemistry (67.00%)

School of Studies in Chemistry, Pt. Ravishankar Shukla University Raipur, Chhattisgarh, India, **2014**

B.Sc., Chemistry, Botany, Zoology (57.05%)

Government Gajanand Agrawal P.G. College of Bhatapara, Pt. Ravishankar Shukla University Raipur, Chhattisgarh, India, **2012**

12th, Science (Bio) (60.50%)

Govt. Higher Secondary School Temari, Chhattisgarh Board of Secondary Education Raipur Chhattisgarh, India, **2008**

10th, Hindi, English, Science, Social Science, Mathematics, Sanskrit (48.00%)

Govt. High Secondary School Maro, Chhattisgarh Board of Secondary Education Raipur Chhattisgarh, India, **2005**

CURRENT POSITION

S.No	Position held	Name of Institute/University	From	To	Pay scale (Rs)
1.	Post Doctoral Fellow (PDF)	National Centre for Natural Resources (NCNR), Pt. Ravishankar Shukla University, Raipur	24-06-2022	Till Now	31,200=00

TEACHING AND RESEARCH EXPERIENCE

S.No.	Position held	Name of Institute/University	From	To	Pay scale (Rs)
1.	Assistance professor (Guest lecturer)	School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur	25-08-2018	15-06-2022	20,800=00
2.	Assistance professor (Guest lecturer) Part Time	Adarsh Collage of Arts and Science Raipur (C.G.)	01-012-2014	30-04-2018	8,000=00
3.	As Ph.D. Research Scholar	School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur	30-09-2014	30-10-2019	4,000=00

Note: Research experience & Training= 5 Years; Teaching experience=4 Years; Total Teaching & Research Experience =More than 10 Years

UGC-SPONSORED REFRESHER COURSE

S.No.	Course Name	Theme	Grade	Duration	Organization
1.	UGC-Sponsored Refresher Course in Chemistry	Sustainable Chemistry: Frontiers and Challenges	A grade” certificate	3 weeks 6/09/2018 to 26/09/2018	Human Resource Development Centre, Pt. Ravishankar Shukla University, Raipur Chhattisgarh, India

PROFESSIONAL RECOGNITION / AWARD/HONOUR / RESPONSIBILITIES / PRIZE/ CERTIFICATE

S.No.	Name of Awards	Awarding Agency	Year	Organization
1.	Honour for research work	Pt. Ravishankar Shukla University, Raipur during University foundation Day (by Minister of Higher Education, Shree Prem Prakash Pandey)	1 st May, 2017	Pt. Ravishankar Shukla University, Raipur, Chhattisgarh
2.	Upadhyayulu Annapurna & Satyanarayana Memorial (Young Scientist Award)	Indian Chemical Society (ICS)	27-29, December 2016.	GITAM University Visakhapatnam, Andhra Pradesh
3.	Professor V. Pandu Ranga Rao (Young Scientist Award)	56 th Annual Convention of Chemist, Indian Chemical Society (ICS) & International Conferences on Recent Trends in Chemical Sciences	14-16, November 2019.	Pt. Ravishankar Shukla University, Raipur, Chhattisgarh
4.	Chhattisgarh Young Scientist Award (CYSC-2017)	Chhattisgarh Young Scientist Congress, Chhattisgarh (CYSC-2017)	28, February & 01 March, 2017	Swami Vivekanand Technical University, Bhilai, Chhattisgarh
5.	Best Poster Presentation Award	National conference on recent advances in functional nanomaterials BOSE-125	28, September, 2018	Pt. Ravishankar Shukla University Raipur, Chhattisgarh
6.	Best Oral Presentation Award	3 rd National conference on recent advances in Environmental & Chemical Sciences, UGC-SAP (DRS-II)	27 & 28 March, 2019	Pt. Ravishankar Shukla University, Raipur, Chhattisgarh
7.	Students Union, Vice-President	Chemical Society, School of Studies in Chemistry	2017-2018	School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh

MEMBERSHIP OF LEARNED BODIES

S.No.	Society	Detail of Membership	Year
1.	Indian Chemical Society, Kolkata, India	Chemical Science	2015-2019
2.	India Science Congress Association, Kolkata, India	Chemical Science	2015-2019
3.	Profesional/Bodies, Societies etc.	Chemical Science	2019-2021

SCIENTIFIC COLLABORATION

S.No.	Name	Institution/ University	Place
1.	Prof. Minori Kamaya	Department of Applied Chemistry, Kogakuin University	Tokyo, Japan
2.	Dr. Sherif Mohamed Eid	Department of Analytical Chemistry, October 6 University	Cairo, Egypt

RESEARCH ACTIVITIES AND PROFILES

Scientific site	Publications	h-index	i-10 index	Citation index	Conference Presentation	Workshops / Webinars	Book chapters
*Google Scholar	31	11	13	425	24	16	02
*Scopus	23	11	-	265	nil	nil	02
*ResearchGate	31	11	-	278	nil	nil	02
International	26	Total 26 papers have published in International/SCI/SCOPUS/UGC Journals					
National	05	Total 05 papers published in National/SCI/SCOPUS/UGC journals					

• Highest impact factor Journal Publication (First author) : **13.622**

• RG Score : **24.69**; RG reads: **8,218**; Recommendations: **31**; Research interest rate: **270.8**

**Please see the link, and annexure A-C, which are mentioned in detailed in below*

RESEARCH AND TECHNICAL SKILLS

A. Professional Skills

- | | |
|--|--|
| 1. Proficiency in presentations | 2. Paper writing, Thesis writing, Dissertation writing |
| 3. Project conception and implementation | 4. Research Design and Method Development |
-

B. Instrumentation

- | | |
|---|---|
| 1. Fourier transform infrared spectrophotometer Nicolet Is10. (FTIR) | 2. Gas chromatography-Mass spectrometer (GC-MS) |
| 3. Atomic Absorption Spectroscopy (AAS) | 4. Gas chromatography (GC) |
| 5. High performance-liquid chromatography (HPLC) | 6. High performance-thin layer chromatography (HPTLC) |
| 7. Nuclear Magnetic Resonance (NMR) | 8. Liquid chromatography-mass spectrometry-mass spectrometry (LC-MS-MS) |
| 9. RTPCR, PCR, Fluorescence microscope | 10. Supercritical fluid extraction unit (SFE) |
| 11. UV-Vis spectrophotometer | 12. Surface tensiometer, gel electrophoresis |
| 13. Flame photometer, pH meter, conductometer, turbidimeter, viscometer, nephelometry | 14. Integrated UV-Vis spectrophotometer |
-

C. Data Analysis and Software Skills

- | | |
|--|---|
| 1. Test of analytical quality assurance (AQA) and statistical and varimax principal component analysis (PCA) | 2. Partial least square and classical least square calibration (PLS and CLS) or multivariate analysis |
| 3. Kubelka-munk spectrum, interionic effects, etc | 4. 3D Chemdraw, Excel, PowerPoint, Paint etc. |
| 5. ImageJ for image size based histogram analysis | 6. Omnic 9 software, OPUS for FTIR TQ Analyst™ |
| 7. Statistical, SigmaPlot10, Origin 6.1 and 9.1 | 8. TopSpin for NMR, |
-

D. Field Station, Standard Operating Procedures and Lab Experiments

- | | |
|---|--|
| 1. Water quality monitoring station, Raipur, CG. | 2. Potential site selection for water analysis |
| 3. Filter preparation and sampling for solid and liquid samples | 4. Gravimetric analysis |
| 5. Chemical analysis | 6. Lab experiment manuals |
-

CURRENT RESEARCH INTERESTS

- ✚ Fourier transforms infrared spectroscopy of some selected surface active agents and their quantitative and qualitative analysis in various water bodies is investigating.
 - ✚ A novel paper substrate fabricated for simultaneous detection of anionic, cationic and non-ionic surfactant using signal enhanced/attenuated total reflectance Fourier transform infra-red spectroscopy (SE/ATR-FTIR) is also investigating.
 - ✚ In addition, different filter papers are analyzed as a modified substrate for determination of environmental toxicants with and without using functionalized nanomaterials using FTIR spectroscopy and colorimetry etc in this current research.
 - ✚ In the future, this method will be directed towards the analysis of environmental toxicants and organic pollutants in other environmental, vegetable, biological samples and heterogeneous matrices.
 - ✚ In the future, we will be also developed a new analytical method for treatment of surfactant-rich industrial wastewaters with concentrated sunlight: toward solar wastewater remediation.
-

DISCIPLINES, SKILLS AND EXPERTISE

- ✚ Analytical Chemistry
 - ✚ Environmental Chemistry
 - ✚ Surface Chemistry
 - ✚ Nanomaterials
 - ✚ Spectroscopy
 - ✚ Chromatography
 - ✚ Spectrophotometry
 - ✚ Environmental toxicants and pollutants
 - ✚ Surface active compounds or surfactants
 - ✚ Extractions and pre-concentrations
 - ✚ Environmental and biological solid and liquid samples analysis
 - ✚ Research design and method development
-

LABORATORY EXPERIMENT AND TEACHING METHODS

Laboratory experiment

- ✓ Organic and analytical preparation will be conducted using reagents as per the allotted syllabus.
- ✓ Training of good practices involved in handling of electronic devices used in experiments has been conducted between practical sessions.
- ✓ Evaluation methods
- ✓ Written test
- ✓ Group discussion in various topics related to subject.
- ✓ Seminar presentation of students in various topics of subject

Teaching methods

- ✓ Use of overhead projector and digital SmartBoard for class room teaching and demonstration in chemistry.
 - ✓ Monthly test of completed portion of specific UNIT will also be conducted.
-

Annexure A (i)

RESEARCH PUBLICATIONS (~ 31)

S. No.	Topic/authors	Name of Journal/IF
1.	A KBr-impregnated paper substrate as a sample probe for the enhanced ATR-FTIR signal strength of anionic and non-ionic surfactants in an aqueous medium (Ramsingh Kurrey* Manas Kanti Deb,* Kamlesh Shrivastava, Jayant Nirmalkar, Bhupendra Kumar Sen, Mithlesh Mahilang and Vikas Kumar Jain)	RSC Adv., 2020, 10, 40428© Royal Society Chemistry DOI: 10.1039/d0ra07286a Impact Factor: 3.36
2.	Distribution of Some Selected Surface Active Agents (SAAs) in the Aquatic and Global Environment with Their Toxic Impact: A Comprehensive Review (Ramsingh Kurrey , Anushree Saha, Manas Kanti Deb)	Journal of Ravishankar University 33 (1), 31-46 Impact Factor: 0.00
3.	Surface enhanced infra-red spectroscopy with silver nanoparticles (AgNPs) for detection of quaternary ammonium cationic surfactants (Ramsingh Kurrey , Manas Kanti Deb*, Kamlesh Shrivastava)	New Journal of Chemistry, (2019) 43, 8109-8121© Royal Society Chemistry, DOI: 10.1039/c9nj01795j Impact Factor: 3.30

4. Analytical approaches on surface active agents in environment and challenges
(**Ramsingh Kurrey**, Mithlesh Mahilang, Manas Kanti Deb*, Kamlesh Shrivastava)
Trends in Environmental Analytical Chemistry, (2019) © Elsevier,
doi.org/10.1016/j.teac.2019.e00061
Impact Factor: 9.04

5. A direct DRS-FTIR probe for rapid detection and quantification of fluoroquinolone antibiotics in poultry egg-yolk".
(**Ramsingh Kurrey**, Mithlesh Mahilang, Manas Kanti Deb,* Jayant Nirmalkar, Kamlesh Shrivastava, Shamsh Pervez, Manish Kumar Rai, Joyce Rai)
Food Chemistry, (2019), 270, 459–466 © Elsevier
doi.org/10.1016/j.foodchem.2018.07.129
Impact Factor: 6.30

6. Methyl orange paired microextraction (MOP-ME) and diffuse reflectance-Fourier transform infrared (DRS-FTIR) spectral monitoring for improved signal strength of total mixed cationic surfactants (CS⁺).
(**Ramsingh Kurrey**, Manas Kanti Deb, Kamlesh Shrivastava)
Journal of Surfactants and Detergents, (2018) © Wiley AOCs, DOI 10.1002/jsde.12012
Impact Factor: 1.65

7. Citrate-capped gold nanoparticles as a sensing probe for determination of cetyltrimethyl ammonium surfactant using FTIR spectroscopy and colorimetry
(**Ramsingh Kurrey**, Manas Kanti Deb*, Beeta Rani Khalkho, Kamlesh Shrivastava, Jayant Nirmalkar, Deepak Sinha, Sangeeta Jha)
Analytical and Bioanalytical Chemistry © Springer
doi.org/10.1007/s00216-019-02067-8
Impact Factor: 3.74

8. Simultaneous Determination of Cationic and Anionic Surfactants in Domestic, Sewage and River Effluent by Diffuse Reflectance-Fourier Transform Infrared Spectroscopic Analysis
(**Ramsingh Kurrey**, Kaushly Thakur, Swati Chandrawanshi and Manas Kanti Deb*)
Journal of Ravishankar University Science-B, (2017), 30 (1&2), 32-40
Impact Factor: nil

9. A comparative study on the effect of imidazolium-based ionic liquid on self-aggregation of cationic, anionic and non-ionic surfactants studied by surface tension, conductivity, fluorescence and FTIR spectroscopy
(Manoj Kumar Banjare, **Ramsingh Kurrey**, Toshikée Yadav, Srishti Sinha, Manmohan L. Satnami, Kallol K. Ghosh*)
Journal of Molecular Liquids, (2017) 241, 622–632 © Elsevier,
doi.org/10.1016/j.molliq.2017.06.009
Impact Factor: 5.06

10. Self-aggregation of bio-surfactants within ionic liquid 1-ethyl-3-methylimidazolium bromide: A comparative
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, (2018) 199,

- study and potential application in antidepressants drug aggregation
376–386 © Elsevier
doi.org/10.1016/j.saa.2018.03.079
(Manoj Kumar Banjare, Kamalakanta Behera, **Ramsingh Kurrey**, Ramesh Kumar Banjare, Manmohan L. Satnami, Kallol K. Ghosh*)
Impact Factor: 4.09
11. Experimental and theoretical approaches for the selective detection of thymine in real samples using gold nanoparticles as a biochemical sensors
RSC Advances, (2018), 8, (43), 24328-24337
© Royal Society Chemistry
doi:10.1039/c8ra02627k
(Kamlesh Shrivastava*, Nidhi Nirmalkar, Santosh Singh Thakur, **Ramsingh Kurrey**, Deepak Sinha, Ravi Shankar)
Impact Factor: 3.36
12. A comprehensive review on Perchlorate Chemistry
Journal of Ravishankar University Science-B, (2017), 30, (1&2), 18-31,
(Swati Chandrawanshi, Manas Kanti Deb* **Ramsingh Kurrey**)
Impact Factor: nil
13. Silver nanoparticle for selective detection of phosphorus pesticide containing π -conjugated pyrimidine nitrogen and sulfur moieties through non-covalent interaction
Journal of Molecular Liquid, (2019) 275, 297–303 © Elsevier
doi.org/10.1016/j.molliq.2018.11.071
(Kamlesh Shrivastava*, Sushama Sahu, Bhuneshwari Sahu, **Ramsingh Kurrey**, Tarun Kumar, Patle, Tushar Kant, Indrapal Karbhal, Manmohan Satnami, Manas Kanti Deb and Kallol Kumar Ghosh)
Impact Factor: 5.06
14. Colorimetric and paper-based detection of lead using PVA capped silver nanoparticles: Experimental and theoretical approach
Microchemical Journal 150 (2019) 104156 © Elsevier
<https://doi.org/10.1016/j.microc.2019.104156>
(Kamlesh Shrivastava*, Bhuneshwari Sahu, Santosh Singh Thakur, Sushama Sahu, **Ramsingh Kurrey**, Tushar Kant, Tarun Kumar Patle, Rajendra Jangde, Manas Kanti Deb*)
Impact Factor: 4.56
15. L-cysteine modified silver nanoparticles for the highly selective and sensitive colorimetric detection of Vitamin B1
Heliyon 6 (2020) e03423 © Elsevier
doi.org/10.1016/j.heliyon.2020.e03423
(Beeta Rani Khalkho, **Ramsingh Kurrey**, Sangita Jha, Manas Kanti Deb* and Kamlesh Shrivastava)
Impact Factor: 2.85
16. Portable smartphone paper based sensor for rapid detection of iron through the electron transfer reaction on the surface of silver nanoparticle
Analytical and Bioanalytical Chemistry © Springer
doi.org/10.1007/s00216-019-02385-x
(Kamlesh Shrivastava, Monisha, Tushar Kant, Indrapal Karbhal, **Ramsingh Kurrey**, Bhuneshwari Sahu, Manas Kanti Deb,
Impact Factor: 3.74

Deepak Sinha, Ravi Shankar)

17. Hybride nanomaterials as chemical sensors, (K. Dewangan K. Shrivasa **R. Kurrey**). Chapter-9, Multifunctional Hybrid Nanomaterials for Sustainable Agri-Food and Ecosystem, Elsevier, 2020, 213-239. doi.org/10.1016/B978-0-12-821354-4.00009-1 **Book Chapter-9**, Elsevier, 2020, 213-239. doi.org/10.1016/B978-0-12-821354-4.00009-1
18. Degradation, removal and detection of pesticides using nanocomposites, (Tarun Kumar Patle, **Ramsingh Kurrey** Khemchnad. Dewangan and Kamlesh. Shrivasa). Chapter-10, Multifunctional Hybrid Nanomaterials for Sustainable Agri-Food and Ecosystem, Elsevier, 2020, 241-254, doi.org/10.1016/B978-0-12-821354-4.00010-8 **Book Chapter-10**, Elsevier, 2020, 241-254, doi.org/10.1016/B978-0-12-821354-4.00010-8
19. Phytochemical screening and determination of phenolic and flavonoid in Dillenia pentagyna using UV-Vis and FTIR (T. K. Patle, K. Shrivasa, **R. Kurrey**, S Upadhyay, R. Jangadey, R. Chouhan) Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 242 (2020) 188717 © Elsevier doi.org/10.1016/j.saa.2020.118717 **Impact Factor: 4.09**
20. Polymeric resins as nano-catalysts: A brief review (Anushree Sahaa, Manas Kanti Deb, Mithlesh Mahilang, **Ramsingh Kurrey**, Beeta Rani Khalkho) Journal of Indian Chemical Society, 97, (2020),1-13 @ Journal of Indian Chemical Society **Impact Factor: 0.23**
21. A simple and convenient dry-state SEIRS method for glutathione detection based on citrate functionalized silver nanoparticles in human biological fluids (Beeta Rani Khalkho, **Ramsingh Kurrey***, Manas Kanti Deb,*, Indrapal Kharbal, Bhuneshwari Sahu, Shubhra Sinha, Yaman Kumar Sahu) New Journal of Chemistry, 45, (2021), 1339 © Royal Society Chemistry doi.org/10.1039/D0NJ04065G **Impact Factor: 3.30**
22. A simple and cost effective paper-based and colorimetric dual-mode detection of arsenic (III) and lead (II) based on glucose fuctionalized gold nanoparticles (Bhuneshwari Sahu, **Ramsingh Kurrey**, Manas Kanti Deb, Kamlesh Shrivasa, Beeta Rani Khalkho, Indrapal Karbhal) RSC Advances, 2021, 11, 20769 © Royal Society of Chemistry doi.org/10.1039/D1RA02929K **Impact Factor: 3.36**

23. Resin immobilized gold nanocomposite assisted surface enhanced infrared absorption (SEIRA) spectroscopy for improved surface assimilation of methylene blue from aqueous solution.
(Anushree Saha, **Ramsingh Kurrey***, Manas Kanti Deb*, Santosh Kumar Verma)
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 262 (2021) 120144 © Elsevier
doi.org/10.1016/j.saa.2021.120144
Impact Factor: 4.09
24. Citrate functionalized gold nanoparticles assisted microextraction of L-cysteine in milk and water samples using Fourier transform infrared spectroscopy
(Beeta Rani Khalkho, Manas Kanti Deb, **Ramsingh Kurrey**, Bhuneshwari Sahu, Anushree Saha, Tarun Kumar Patle, Ravishankar Chauhan, Kamlesh Shrivastava)
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, © Elsevier
doi.org/10.1016/j.saa.2021.120523
Impact Factor: 4.09
25. An Overview of SARS-CoV-2 and Technologies for Detection and Ongoing Treatments: A Human Safety Initiative
(**Ramsingh Kurrey***, Anushree Saha)
COVID ©MDPI, 2022
Impact Factor: 0.09
26. Analytical approaches on some selected toxic heavy metals in the environment and their socio-environmental impacts: A meticulous review
(Alka Patle, **Ramsingh Kurrey***, Manas Kanti Deb, Tarun Kumar Patle, Deepak Sinha, Kamlesh Shrivastava)
Journal of the Indian Chemical Society © Elsevier, 2022, 100545
doi.org/10.1016/j.jics.2022.100545
Impact Factor: 0.284
27. Distribution and Speciation of Arsenic in the Environment and Their Socio-Environmental Impacts: A Review with an Emphasis on Analytical Strategies
(**Ramsingh Kurrey**, Madhuri Khute, Anushree Saha)
Journal of Emerging Technologies and Innovative Research (JETIR) © MDPI, 9 (4), 138-149
Impact Factor: 7.09
28. Recent Advances on analytical methodologies for screening and detection of biophenols and their challenges: a brief review
(R Kurrey, A Saha, S Sinha, Y Sahu, M Khute, B Sahu, MK Deb)
Results in Chemistry, 100456 © Elsevier, 2022
29. Recent advances on gold and silver nanoparticles-based colorimetric strategies for detection of environmental contaminants and SARS-CoV-2: A comprehensive review
(Sushma Sahu, Shrishti Sharma, Ramsingh Kurrey, Kallol K Ghosh)
Environmental Science: Nano © Elsevier
30. α -Cyclodextrin functionalized silver nanoparticles as
Colloids and Surfaces A: Physicochemical

colorimetric sensor for micro extraction and trace level detection of chlorpyrifos pesticide in fruits and vegetables

(B Sahu, R Kurrey, BR Khalkho, MK Deb)

31. Analytical Design for Environmental Pollutants (PAH and VOCS) and Challenges
(T Dewangan, M Khute, R Kurrey, S Sharma)

PAPER COMMUNICATED (~ 10)

32. Comparative analysis of moringa oleifera, solanum incanum, acacia catechu, strychnos potatorum and abelmoschus esculentus as organic coagulants: in treatment of drinking water
(Sunita Singh Thakur, **Ramsingh Kurrey** and Manisha Agrawal*)
Indian Journal of Chemistry Section A
(Submitted to the Journal)
33. A novel drug delivery system for in-vitro antioxidant activity in DPPH model using hesperidin loaded lipid polymer hybrid nanoparticles (LPHNPs)
(Rajendra Jangde^{*a}, **Ramsingh Kurrey^b**)
(Revision Submitted)
34. Coupling reagent-based microextraction coupled with spectrophotometry for the determination of organophosphorus pesticides from agricultural and environmental samples
(Chhayabhath, **Ramsingh Kurrey,***, Manish Kumar Rai,*, Manas Kanti Deb, Bhuneshwari Sahu, Joyce Rai)
Lab on a Chip, (2020), © Royal Society Chemistry
(Submitted to the Journal)
35. A simple and selective DRS-FTIR method for detection of formalin using 3,5-diacetyl-dihydrolutidin complex based TCA micro-extraction from fish samples
(**Ramsingh Kurrey***, Annushree Saha, Indrapal Karbhal and Manas Kanti Deb*)
Environmental chemistry and food science @ Americal chemical society
(Submitted to the Journal)
36. A novel mass transfer models for detection of pymetrozine insecticide by organic hydrophobic resin bound gold nanocomposites employing in-situ SE/ATR-FTIR spectroscopy
(Anushree Saha, **Ramsingh Kurrey***, Manas Kanti Deb*, Santosh Kumar Verma, Chandresh Agrawal, Shamsh Peveez, Manis Kumar Rai)
Analytical chemical Acta (2021), © Elsevier
(Revision Submitted)

37. On-Site UV-Vis Spectrophotometric Detection of Flonicamid Insecticide Based on Coupling Complex with P-Chloroaniline Dye in Aqueous Medium
(Jyoti Goswami, **Ramsingh Kurrey*** and Manish Kumar Rai*)
New Journal of Chemistry, (2020), © Royal Society Chemistry
(Submitted to the Journal)
38. Facile and Scalable synthesis of un-doped, doped and co-doped graphine quantum dots: a comparative study on their impact
(Reena Suryawanshi, **Ramsingh Kurrey**, Sushma Sahu, Kallol K Ghosh)
New Journal of Chemistry © Royal Society of Chemistry
(Submitted to the Journal)
39. A novel strategy to construct supported cationic polystyrene resin bound silver nanocomposites for enhanced catalytic reduction of 4-nitrophenol in aqueous medium
(Anushree Saha, **Ramsingh Kurrey**, Santosh K Verma, Manas Kanti Deb)
Journal of the Iranian Chemical Society © Royal Society of Chemistry
(Under Review)
40. Selective detection of malathion from agricultural fluids by alpha-cyclodextrin capped gold nanoparticles based on the colorimetric sensing probe
(Bhuneshwari Sahu, Ramsingh Kurrey and Manas Kanti Deb)
Journal of Molecular Liquids, (2022) © Elsevier
(Under Review)

Annexure B(i)

BOOK CHAPTER PUBLISHED (~ 02)

S. No.	Topic/authors	Name of Journal/IF
1.	Hybride nanomaterials as chemical sensors, Chapter-9 , Multifunctional Hybrid Nanomaterials for Sustainable Agri-Food and Ecosystem (K. Dewangan K. Shrivastava, R. Kurrey)	Elsevier , 2020, 213-239. doi.org/10.1016/B978-0-12-821354-4.00009-1
2.	Degradation, removal and detection of pesticides using nanocomposites, Chapter-10 , Multifunctional Hybrid Nanomaterials for Sustainable Agri-Food and Ecosystem (Tarun Kumar Patle, Ramsingh Kurrey , Khemchnad Dewangan and Kamlesh. Shrivastava)	Elsevier , 2020, 241-254, doi.org/10.1016/B978-0-12-821354-4.00010-8.

Annexure C(i)

SEMINAR/SYMPOSIUM & CONFERENCES ATTENDED (~ 25)

S. No.	Topic/Authors	Place
1.	Determination of total cationic surfactants mixtures in industrial waste water samples based on LLE/DRS-FTIR technique, National Conference on Recent Trends in Chemical Sciences (Ramsingh Kurrey and Manas Kanti Deb)	School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, C.G. (<i>Golden Jubilee Year</i>) 23-25 January 2014.
2.	Determination of cationic surfactants mixtures in waste water samples based on DRS-FTIR technique, National Science Day (Ramsingh Kurrey and Manas Kanti Deb)	School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, C.G. (<i>Golden Jubilee Year</i>) 28 February 2014.
3.	Quantification of cationic surfactants mixtures in industrial waste water samples based on LLE/DRS-FTIR technique, 17 th National Conference on Surfactants, Emulsions and Biocolloids (NATCOSEB XVII) (Ramsingh Kurrey and Manas Kanti Deb)	School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 4-6 November 2015
4.	Nanogram Level quantification of cationic surfactants (CTAB) by using novel hyphenated DRS-FTIR technique in real environmental samples, National Science Day (Ramsingh Kurrey and Manas Kanti Deb)	School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 12, March 2016.
5.	Nanogram Level Quantification of Fluoroquinolone class of antibiotics by DRS-FTIR in Eggs-Yolk, Indian Chemical Society, (ICS), 53 rd Annual Convention of Chemists, National Conference (Ramsingh Kurrey and Manas Kanti Deb)	GITAM University, Visakhapatnam, Andhra Pradesh, 27-29 December 2016.
6.	Determination of total cationic surfactants mixtures in industrial waste water samples based on LLE/DRS-FTIR technique, 104 th Indian Science Congress (ISC) Association, National Conference (Ramsingh Kurrey)	S. V. University, Tirupati, Andhra Pradesh, 3-7 January 2017.
7.	Quantification of cationic surfactants in waste waters using unmodified gold nanoparticles as DRS-FTIR probes,	Department of Botany, Digvijay Autonomous P.G. College, Rajnandgaon

- National Conference on Soil Quality & Public Health (C.G.), 17-18 January 2017 (SQPH)
(**Ramsingh Kurrey** and Manas Kanti Deb)
8. Quantification of total cationic surfactants in waste waters using LLE/DRS-FTIR probes, National Conference on Advances in Environmental Science & Technology Department of Chemistry, Digvijay Autonomous P.G. College, Rajnandgaon (C.G.), 21-23 January 2017
(**Ramsingh Kurrey** and Manas Kanti Deb)
9. Gold nanoparticle assisted trace level estimation of cationic surfactant by DRS-FTIR analysis in water samples, Chemical Research Society of India and Royal Society of Chemistry, Department of Chemistry, Gauhati University Gauhati, Assam, India, 17 and 18 March 2017.
(**Ramsingh Kurrey** and Manas Kanti Deb)
10. DRS-FTIR spectroscopy: A Tool for Quantitative Analysis of Growth Promoter Medicine in Poultry Set, Chhattisgarh Young Scientist Congress, Chhattisgarh (CYSC-2017) Swami Vivekanand Technical University, Bhilai, Chhattisgarh, February 28, 01 March – 2017
(**Ramsingh Kurrey**)
11. DRS-FTIR spectroscopy: A Tool for Quantitative Analysis of Growth Promoter Medicine in Poultry Set, PharmaSci-2017 2nd International Conference “Frontier in Pharmaceutical Sciences and Research” Columbia Institute of Pharmacy, Raipur, CG. India, February 23 & 24 September – 2017
(**Ramsingh Kurrey** and Manas Kanti Deb)
12. DRS-FTIR spectroscopy: A Tool for Quantitative Analysis of Growth Promoter Medicine in Poultry Set, 1st North Indian Science Congress (NISC-2018) & International Conference on “Science and Technology for Sustainable Future” Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, 10th & 11th January, 2018
(**Ramsingh Kurrey** and Manas Kanti Deb)
13. Gold nanoparticles as a chemical sensor for determinations of cetyltrimethyl ammonium bromide using DRS-FTIR probe, UGC-SAP Pt. Ravishankar Shukla University Raipur (C.G.) India 28-03 February and March, 2018
(**Ramsingh Kurrey** and Manas Kanti Deb)

14. Surface Enhanced Infra-Red Spectroscopy (SEIRS) for Determination of Total Mixed Quaternary Ammonium Cationic Surfactants using Silver Nanoparticles (AgNPs) as a Chemical Sensor, Chhattisgarh Young Scientist Congress, Chhattisgarh (CYSC-2018), (**Ramsingh Kurrey**)
Durg University, Durg, Chhattisgarh (2018)
15. Surface Enhanced Infra-Red Spectroscopy (SEIRS) for Determination of Total Mixed Quaternary Ammonium Cationic Surfactants using Silver Nanoparticles (AgNPs) as a Chemical Sensor, UGC-SAP DRS-II -2018, (**Ramsingh Kurrey** , Manas Kanti Deb, Kamlesh Shrivastava)
School of Studies in Chemistry, Pt. Ravishankar Shukla University Raipur (C.G.) India
16. Gold nanoparticles as a chemical sensor for determinations of cetyltrimethyl ammonium bromide using DRS-FTIR probe, 22th CRSI National Symposium in Chemistry
Ramsingh Kurrey , Manas Kanti Deb
School of Studies in Chemistry, Pt. Ravishankar Shukla University Raipur (C.G.) India, 2-4 February,2018
17. Gold nanoparticles as a chemical sensor for determinations of cetyltrimethyl ammonium bromide using DRS-FTIR probe, 22th CRSI National Symposium in Chemistry and Royal Society of Chemistry
Ramsingh Kurrey , Manas Kanti Deb
School of Studies in Chemistry, Pt. Ravishankar Shukla University Raipur (C.G.) India, 01 February,2018
18. Surface Enhanced Infra-Red Spectroscopy (SEIRS) for Determination of Total Mixed Quaternary Ammonium Cationic Surfactants using Silver Nanoparticles (AgNPs) as a Chemical Sensor, National conference on recent advances in functional nanomaterials, BOSE-125
(**Ramsingh Kurrey** , Manas Kanti Deb, Kamlesh Shrivastava)
School of Studies in Chemistry, Pt. Ravishankar Shukla University Raipur (C.G.) India, 28 september-2018
19. Nanogram Level Quantification of Fluoroquinolone class of antibiotics by DRS-FTIR in Eggs-Yolk, Indian council of chemist (ICC),
(**Ramsingh Kurrey** , Manas Kanti Deb)
Indian Council of Chemist (ICC-2018), NITK Surthkal, Karnatka
20. A multiresidue determination covering antibiotics and pesticides in poultry chicken and eggs using Fourier transform infrared spectroscopic technique, **International Conference** on Fostering Interdisciplinary Research in Medicines,
(**Ramsingh Kurrey** , Manas Kanti Deb)
19th -21st January 2019, Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur

21. Surface Enhanced Infra-Red Spectroscopy (SEIRS) for Determination of Total Mixed Quaternary Ammonium Cationic Surfactants using Silver Nanoparticles (AgNPs) as a Chemical Sensor, Chhattisgarh Young Scientist Congress, Chhattisgarh (CYSC-2019)
(**Ramsingh Kurrey**) Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 28 February & 01 March-2019
22. Attended and presented a paper “Surface Enhanced Infra-Red Spectroscopy (SEIRS) for Determination of Total Mixed Quaternary Ammonium Cationic Surfactants using Silver Nanoparticles (AgNPs) as a Chemical Sensor, National Conference (UGC-SAP-2019)
(**Ramsingh Kurrey**, Manas Kanti Deb, Kamlesh Shrivastava) Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 27 & 28 March, 2019
23. Surface Enhanced Infra-Red Spectroscopy (SEIRS) with Silver Nanoparticles (AgNPs) as a Chemical Sensor, for Determination of Total Mixed Quaternary Ammonium Cationic Surfactants, 56th Annual Convention of Chemist & International Conference on Recent Trends in Chemical Sciences Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 14-16 November, 2019
24. Oral presentation at 56th Annual Convention of Chemist & International Conference on Recent Trends in Chemical Sciences Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 14-16 November, 2019

Annexure C(ii)

NATIONAL AND INTERNATIONAL WORKSHOPS (~ 04)

- | | |
|--|---|
| 1. Workshop attended on Recent Trends in Material Science and Nano-Technology (MSNT-2017) | Department of Chemistry, NIT Raipur (C.G.). 3 rd -7 th October, 2017. |
| 2. Workshop attended on Intellectual Property & Innovation Management | Pharmacy Department, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, at 22 nd January 2016. |
| 3. Workshop attended on SYSTAT 13 | Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 27 nd August 2015. |
| 4. Participated in a Short Term Training Program Environmental Challenges & Remedies (ECR-2015). | Department of Chemical Engg. & Chemistry NIT Raipur (C.G.). 25 th -29 th May, 2015 |
-

Annexure C(iii)

NATIONAL AND INTERNATIONAL WEBINAR (~ 05)

- | | | |
|----|---|--|
| 1. | International Webinar On “Circular Economy, Climate and the Environment Relations on, Post Covid-19 -Challenges and Opportunities”. | Government Naveen College, Bhairamgarh Bijapur, (C.G), India, July 26, 2020 |
| | Ramsingh Kurrey | |
| 2. | International Webinar On FTIR emission spectroscopy | Wed, Jul 22, 2020 8:30 pm |
| 3. | International webinar on Recent trends in medicinal chemistry | Center for Basic Science, Pt. Ravishankar Shukla University Raipur, Chhhatishgarh India, July 27, 2020 |
| 4. | International Webinar on “Emerging Areas in Chemical Sciences: Opportunities and Challenges” (EACS-2020); | Department of Chemistry, Guru Ghasidas Vishwavidyalaya, Bilaspur in association with Chemical Research Society of India, Local Chapter, C.G. 12th-13th Aug, 2020 |
| 5. | National level quiz test in basic chemistry | Govt. Gramya Bharti Collage
14 August 2020 |

Annexure C (iv)

DEPARTMENTAL CHEMICAL SOCIETY PROGRAMS AND OTHERS ACTIVITIES (~ 07)

- | | | |
|----|--|--|
| 1. | Lecture Attend of Robert Huber (1988) Nobel Laureates from Germany. | Pt. Ravishankar Shukla University, Raipur, C.G. |
| 2. | Participated and delivered a talk on Ion Transport Through Cell Membrane during chemical society seminar | School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, C.G. 2013-2014. |
| 3. | Participated and delivered a talk on Methyl Orange Paired Microextraction (MOP-ME) and Diffuse Reflectance-Fourier Transform Infrared (DRS-FTIR) Spectral Monitoring for Improved Signal Strength of Total Mixed Cationic Surfactants (CS ⁺) | School of Studies in Chemistry Pt. Ravishankar Shukla University, Raipur, C.G. during session, 21.01.2017 |
| 4. | Participated and delivered a talk on “Nanogram Level Quantification of Fluroquinolone Class of Antibiotics using DRS-FTIR in Egg Yolk | School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, C.G. during session 2017-2018. |
| 5. | The certificate is presented to Ramsingh Kurrey in recognition of all your hard work, Participation and support in successful completion of Inspire Internship Camp | School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, C.G. during session 2017-2018. 10-14-August, 2016 |
| 6. | The certificate is presented to Ramsingh Kurrey in recognition of all your hard work, Participation and support | School of Studies in Chemistry, Pt. Ravishankar Shukla University, |

in successful completion of Inspire Internship Camp

Raipur, C.G. during session 2017-2018.

7. Participated in Inspire INTERNSHIP camp, for your hard work School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, C.G., 7-11-August, 2018

NAME OF PUBLISHED JOURNALS WITH PUBLISHERS

S.No.	Name of Journals	Publishers	ISSN/ISBN
1.	RSC Advances	Royal Society Chemistry	2046-2069
2.	Journal of Ravishankar University Science-B	Journal of Ravishankar University	0970-5910
3.	New Journal of Chemistry	Royal Society Chemistry	1144-0546
4.	Trends in Environmental Analytical Chemistry	Elsevier	2214-1588
5.	Food Chemistry	Elsevier	2590-1575
6.	Journal of Surfactants and Detergents	Wiley AOCS	1558-9293
7.	Analytical and Bioanalytical Chemistry	Springer	2383-093X.
8.	Journal of Molecular Liquids	Elsevier	0167-7322
9.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	Elsevier	1386-1425
10.	Microchemical Journal	Elsevier	0026-265X
11.	Heliyon	Elsevier	2405-8440
12.	Journal of Indian Chemical Society	Journal of Indian Chemical Society	194522
13.	Environmental Chemistry and Food Science	Americal chemical society	2451-9294
14.	Journal of Clinical Virology	Elsevier	1386-6532.

MY HOBBY: Playing Badminton, Cricket, Carom, Listening Pravachan, Reading Books, Music, Songs, and Cooking Food.

REFERENCES

Dr. Manas K. Deb

Professor
School of Studies in Chemistry,
Ravishankar Shukla University,
Raipur-492010, India
Email: debmanas@yahoo.com
Tel: +91 9425503750
Supervisor: Ph.D.

Dr. Shamsh Pervez

Professor and Head
School of Studies in Chemistry,
Ravishankar Shukla University,
Raipur-492010, India
Email: shamshpervez@gmail.com
Tel: +91 9753413202

Prof. R.N. Patel

Department Chemistry,
APS University,
Rewa-486 003, M.P., India
Email: mp64@ymail.com
Tel: +9198266 30086

Dr. Kallol K. Ghosh

Professor
School of Studies in Chemistry,
Ravishankar Shukla University,
Raipur-492010, India
Email: kallolghosh@gmail.com
Tel: +91 9425216204

Dr. Kamlesh K. Shrivastava

Associate Professor
School of Studies in Chemistry,
Ravishankar Shukla University,
Raipur-492010, India
Email: kshrivas@gmail.com
Tel: +917999926856

Dr. Manmohal L. Satnami

Assistant Professor
School of Studies in Chemistry,
Ravishankar Shukla University,
Raipur-492010, India
Email: manmohanchem@gmail.com
Tel: +917999509271

DECLARATION

I hereby declare that all the details mentioned above are in accordance with the truth and fact as per my knowledge and I hold the responsibility for the correctness of the above-mentioned particulars.



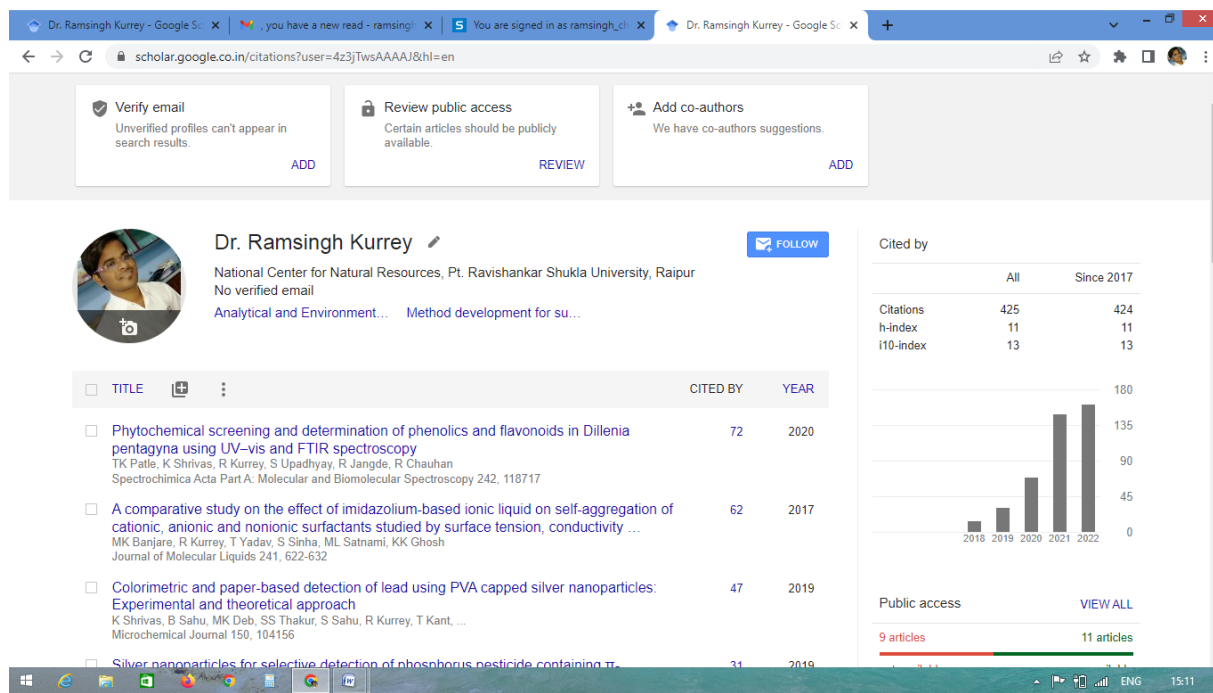
Date: 21-09-2022

Place: Raipur, C.G. INDIA

(DR. RAMSINGH KURREY)

A. Google Scholar

Link: <https://scholar.google.co.in/citations?user=4z3jTwsAAAAJ&hl=en>



The screenshot shows the Google Scholar profile of Dr. Ramsingh Kurrey. The profile includes a circular profile picture, a 'FOLLOW' button, and a bio: 'National Center for Natural Resources, Pt. Ravishankar Shukla University, Raipur. No verified email. Analytical and Environment... Method development for su...'. Below the bio is a table of cited works with columns for 'TITLE', 'CITED BY', and 'YEAR'. Three articles are listed:

TITLE	CITED BY	YEAR
Phytochemical screening and determination of phenolics and flavonoids in <i>Dillenia pentagyna</i> using UV-vis and FTIR spectroscopy TK Patle, K Shrivastava, R Kurrey, S Upadhyay, R Jangde, R Chauhan Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 242, 1187-1197	72	2020
A comparative study on the effect of imidazolium-based ionic liquid on self-aggregation of cationic, anionic and nonionic surfactants studied by surface tension, conductivity ... MK Banjara, R Kurrey, T Yadav, S Sinha, ML Saini, KK Ghosh Journal of Molecular Liquids 241, 622-632	62	2017
Colorimetric and paper-based detection of lead using PVA capped silver nanoparticles: Experimental and theoretical approach K Shrivastava, B Sahu, MK Deb, SS Thakur, S Sahu, R Kurrey, T Kant, ... Microchemical Journal 150, 104156	47	2019

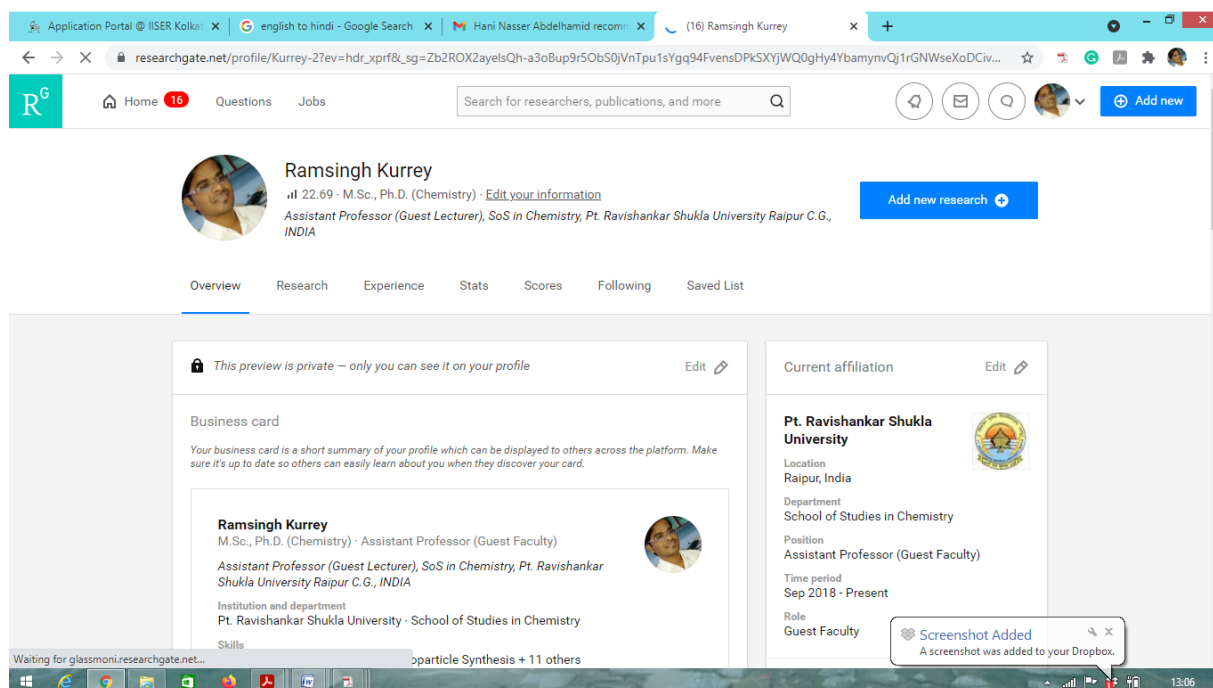
To the right of the table is a 'Cited by' section with a table and a bar chart. The table shows 'All' and 'Since 2017' citations:

	All	Since 2017
Citations	425	424
h-index	11	11
i10-index	13	13

Below the table is a bar chart showing the number of citations per year from 2018 to 2022. A 'Public access' section below the chart shows '9 articles' in red and '11 articles' in green.

B. ResearchGate

Link: <https://www.researchgate.net/profile/Kurrey-2>



The screenshot shows the ResearchGate profile of Ramsingh Kurrey. The profile includes a circular profile picture, a 'Add new research' button, and a bio: '22.69 · M.Sc., Ph.D. (Chemistry) · Edit your information. Assistant Professor (Guest Lecturer), SoS in Chemistry, Pt. Ravishankar Shukla University Raipur C.G., INDIA'. Below the bio are tabs for 'Overview', 'Research', 'Experience', 'Stats', 'Scores', 'Following', and 'Saved List'. The 'Overview' tab is selected, showing a 'Business card' section with a private preview and a 'Current affiliation' section for Pt. Ravishankar Shukla University. The business card details are:

Ramsingh Kurrey
M.Sc., Ph.D. (Chemistry) · Assistant Professor (Guest Faculty)
Assistant Professor (Guest Lecturer), SoS in Chemistry, Pt. Ravishankar Shukla University Raipur C.G., INDIA
Institution and department
Pt. Ravishankar Shukla University · School of Studies in Chemistry
Skills

The current affiliation details are:

Pt. Ravishankar Shukla University
Location: Raipur, India
Department: School of Studies in Chemistry
Position: Assistant Professor (Guest Faculty)
Time period: Sep 2018 - Present
Role: Guest Faculty

Researcher ID: AAQ-1934-2021 (Web of Science)

WEB OF SCIENCE DOCUMENTS	TOTAL TIMES CITED	H-INDEX	AVERAGE CITATIONS PER DOCUMENT	AVERAGE CITATIONS PER YEAR
15	265	10 [Ⓢ]	17.7	53.0

Citations are from articles indexed in the Web of Science Core Collection.
[Read more about the Web of Science Core Collection here.](#)

Ramsingh Kurrey's impact over time

