1. **Name of faculty:** Dr. Riya Sailani
2. **Department:** Chemistry
3. **Designation:** Assistant Professor
4. **Age as on 01.01.2016:** 32 years, 03 months, 10 days
5. **Educational Qualifications:** M.Sc., Ph.D
6. **Teaching Experience as on 01.01.2016:** 01 year, 03 months, 18 days
7. **Address (Local):** NABARD Staff Quarters, Flat no. B III/5, Jagatpura Road, Malviya Nagar, Jaipur-302017 (Raj.)

   Address (Permanent): 7/214, Vidhyadhar Nagar, Jaipur-302023 (Raj.)
8. **Phone / Mobile Number:** +91-9928194174
9. **Email ID:** l.p_riya@yahoo.co.in
10. **Details of Research Projects:** Start-up grant for Assistant Professor.

S. No.	Title of project	Co-investigator if any	Funding Agency	Year of sanction	Year of completion	Funds received (in Lacs)
1.	**Kinetics and Mechanism of Oxidation of N- and S- Containing Organic Compounds by Metal and Non-Metal Ion Oxidants in Acid/Alkaline Medium.**		**UGC**	**Accepted**		

11. **List of Publications: 20**

S. no.	Authors names	Title of paper	Name of Journal	Vol. No.	Pages from – to	Year
1.	R. Sailani,	Kinetics and Mechanism	Current	4	290	2014

	D. Pareek, N. K. Soni, C. L. Khandelwal and P. D. Sharma	of Electron Transfer Reaction: Osmium (VIII) and Ruthenium (III) catalyzed Oxidation of Sulfanilic Acid by Alkaline Hexacyanoferrate (III)	Physical Chemistry		- 301	
2.	R. Sailani, D. Pareek, V. K. Gupta, C. L. Khandelwal and P. D.Sharma	Kinetics and Mechanism of Oxidation of Paracetamol by Thallic Perchlorate in Acidic Medium	Current Physical Chemistry	4	302 - 309	2014
3.	R. sailani, N. K. Soni, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Oxidation of L-Ascorbic Acid by Platinum (IV) in Aqueous Acid Medium.	Transition Metal Chemistry	39	41-45	2014
4.	R. Sailani, N. K. Soni and P. D. Sharma	Kinetics and Mechanism of Oxidation of L-ascorbic Acid by Silver (I) in Acid Perchlorate Medium	International Journal of Scientific Research	3(7)	62-66	2014
5.	R. sailani, N. K. Soni, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Electron Transfer Reactions: Silver(I) Catalyzed Oxidation of L-Ascorbic Acid by Peroxodiphosphate in Acetate Buffers	Current Catalysis	3	103 - 108	2014
6.	R. Sailani, M. Bhasin, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Electron Transfer Reactions: Oxidation of Sulfanilic Acid by N-Chloro-p-Toluene Sulfonamide in Acid Perchlorate Medium	Bulletin of Korean Chemical Society	35(1)	111 - 116	2014
7.	R. Sailani,	Kinetics and Mechanism	Chemical Scienc	3(10)	166	2014

	D. Pareek, K. Jangid, C. L. Khandelwal and P. D. Sharma	of Electron Transfer Reactions: Oxidation of Sulfanilic Acid by Peroxomonosulfate in Aqueous Medium	Review and Letters		-177	
8.	R. Sailani, N. K. Soni, A. Meena, V. K. Gupta, C. L. Khandelwal and P. D. Sharma	Sulfate Free Radicals- A Kinetic Approach for Oxidation of L-Ascorbic Acid in Aqueous Acid Medium	European Chemical Bulletin	3(9)	873-877	2014
9.	R. sailani, S. Hemkar, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Electron Transfer Reactions: Oxidation of Cyclohexanone by Peroxomonosulphate in Acid Aqueous Medium-Discrimination between Keto-Enol Tautomerism	Oxidation Communications	37(1)	220-227	2014
10.	R. Sailani, P. Sharma, S. Sharma, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Oxidation of Dimethylsulfoxide by Peroxomonosulphate in Acid Aqueous Medium	Oxidation Communications	37(1)	228-236	2014
11.	R. sailani, S. Hemkar, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Electron Transfer Reactions: Oxidation of butanone and Cyclohexanone by Thallium(III) in Acid Perchlorate Medium-an Appraisal of Keto Form Reactivity	American Journal of Physical Chemistry	2	73-79	2013
12.	R. sailani,	Kinetics and Mechanism	Journal of Indian	89	393	2012

	S. Sharma, C. L. Khandelwal and P. D. Sharma	of Electron Transfer Reactions: Oxidation of Dimethylsulfoxide by Chromium VI in Acid Perchlorate Medium	Chemical Societ		- 399	
13.	R. sailani, S. Hemkar, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Electron Transfer Reactions:Ruthenium(III) Catalyzed Oxidation of Butanone by Peroxomonosulpate in acid aqueous Medium - Discrimination between Keto-Enol tautomerism	Journal of Indian Chemical Societ	89	513 - 515	2012
14.	R. sailani, A. Agrawal, B. Gupta, C. L. Khandelwal and P. D. Sharma	The Kinetics and Mechanism for the Oxidation of Nicotinic Acid by Peroxomonosulfate in Acidic Aqueous Medium	Journal of the Korean Chemica Society	56	212 - 216	2012
15.	R. Sailani, M. Sharma, D. Pareek, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Electron-Transfer Reactions: Ruthenium (III) Chloride Catalyzed Oxidation of Aspartic Acid by Peroxomonosulfate Ion in Acidic Medium	Reaction kinetics mechanism and catalysis	105	249 - 259	2012
16.	R. sailani, N. K. Soni, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Oxidation of L-Ascorbic Acid by Peroxomonophosphate in Aqueous Acid Medium	International Journal of Chemical Kinetics	45	41-46	2012
17.	R. Sailani, S. Dubey, C. L. Khandelw	Kinetics and Mechanism of Oxidation of L-ascorbic Acid by Peroxomonosulphate in	Comptes Rendus Chimie	14	1088-1094	2011

	al, P. Khan and P. D. Sharma	acid Perchlorate Medium. Role of copper (II) as a Trace Metal-Ion Catalyst				
18.	R. Sailani, G. Singh, C. L. Khandelwal and P. D.Sharma	Kinetics and Mechanism of Oxidation of Pyruvic Acid by N-Chloro-P-Toluene Sulfonamide in Acid and Catalysed by Osmium VIII in Alkaline Medium	International Journal of Current Chemistry	2	45-57	2011
19.	R. Sailani, P. Jain, G. Singh, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Ruthenium(III) chloride Catalyzed oxidation of Formic Acid by PeroxomonosulphuricAcid in Acid Aqueous Medium –An Apprasial of Hydride Ion Transfer	Journal of Indian Chemical Society	87	817 - 822	2010
20.	R. Sailani, A. Agrawal, P. Sharma, C. L. Khandelwal and P. D. Sharma	Kinetics and Mechanism of Electron Transfer Reactions: Oxidation of Pyridine by Permanganate in Aqueous Acid Perchlorate Medium	Oxidation Communications	Accepted		

12. List of Conferences / Symposium/ Refresher Courses Attended: 18

- Indian Chemical Society**,** JECRC University, Dec. 28-30, 2015, "52th Annual Convention of Chemists International Conference on Advances in Chemical Sciences", Riya Sailani, Priyamvada Sharma, Kritika Jangid and C. L. Khandelwal**,** **"**Kinetics and Mechnism of Electron Transfer Reactions: Oxidation of Crotyl Alcohol by Peroxomonosulfate in Aqueous Acidic Medium".
- Department of Chemistry, Malviya National Institute of Technology, Jaipur, Nov. 23-25, 2015, "International Conference on Current Challenges In Drug Discovery Research", Riya Sailani, Kritika Jangid, C.L.Khandelwal and P.D. Sharma,

"Kinetics and Mechanism of Oxidation of Sulfanilic Acid by HexachloroIridate (IV) in Acid Medium**".**

- Biyani Group of Colleges, India, Sept. 21-27, 2015, "10th Anniversary India-Japan Bilateral Conference on Impact of Make in India Efforts".
- Centre of Advanced Studies, Department of Chemistry, University of Rajasthan, Jaipur, March 13-14, 2015, "National Conference on Frontiers at the Chemistry-Allied Sciences Interface", Riya Sailani, Ravi Chauhan, Seema Sharma, C.L.Khandelwal**, "**Kinetics and Mechanism of Ruthenium (III) Chloride Catalysed Oxidation of Sulfanilic Acid by Thallium (III) in Acid Perchlorate Medium".
- University of Rajasthan, St. Wilfred PG College and Parishkar College, Jaipur, Jan. 16-18, 2015, "17th International Conference of International Academy of Physical Sciences".
- Department of Chemistry, University of Rajasthan, Jaipur, Aug. 31, 2013, "National Seminar on Chemistry for Economic Growth and Human Comforts", Riya Sailani, Vinita K. Gupta, C. L. Khandelwal, P. D. Sharma, "Kinetics and Mechanism of Electron Transfer Reactions: Oxidation of Phenylphosphonic Acid by N-Chloro-P-Toluene Sulfonamide (Chloramine-T) in Acid Perchlorate Medium".
- Department of Chemistry, University of Rajasthan, Jaipur, Dec.10-13, 2011, "3rd International Conference on Heterocyclic Chemistry", Riya Sailani, Anju Agrawal, Priyamvada Sharma, C. L. Khandelwal, "Kinetics and Mechanism of Oxygen –Atom Transfer Reactions: Oxidation of Nicotinic Acid by Peroxomonosulphate in Aqueous Acid Medium".
- Centre of Advanced Studies, Department of Chemistry, University of Rajasthan, Jaipur, Dec. 12, 2011, "One Day National Seminar on 'Chemistry in Our Lives'.
- Department of Chemistry, Govt. R. R. (PG) Autonomous College, Alwar, (Rajasthan), Sep. 23-24, 2011, National Conference on Green Chemistry-Safer Chemistry.
- Mahatma Gandhi Institute of Applied Sciences, Jaipur, March 26-27, 2011, "National Symposium on Advanced and Current Developments in Chemical Research".

- University of Rajasthan, Dec 22-24, 2010, "12th International Conference of International Academy of Physical Sciences on Emerging Interfaces of Physical Sciences" Riya Sailani, Priyanka Jain and P.D. Sharma**, "**Kinetics and Mechanism of Ru (III) Catalysed Oxidation of Menthol by Bromate in Acidic Medium".
- Rajasthan College of Engineering for Women, Jaipur, August 20-21, 2010, "All India Seminar on New Strategies for Reducing Carbon Foot Prints and its Impact on Global Warming".
- Centre of Advanced Studies, University of Rajasthan, Feb. 25, 2010, "National Symposium on New Frontiers in Chemical Sciences".
- Dept of Chemistry, JNV University, Jodhpur, Feb 8-10, 2010, "National Seminar on Analytical Electrochemistry", Riya Sailani, Narendra K. Soni, Anita Meena**, "**Kinetics and Mechanism of Oxidation of L-Ascorbic Acid by Silver (I) Potentiometrically in Acid Aqueous Medium".
- Dept.of Chemistry, CCS University, Meerut, Jan. 27-30, 2010, "International Conference on Green Technologies for Greener Environment", Riya Sailani, P. Pradeep, Ramya Jaiyan and P. D. Sharma**, "**Conducting Polymeric Thin Films from Acrylonitrile Butadiene Rubber (NBR)**".**
- Indian Chemical Society, Dec. 2-6, 2009, "46th Annual Convention of Chemists 2009", Riya Sailani, Sapna Dubey, C.L.Khandelwal**, "**Kinetics and Mechanism of Copper II Catalysed Oxidation of L-Ascorbic Acid by Peroxomonosulphate in Acid Perchlorate Medium".
- Centre for Advance Studies, University of Rajasthan, Mar 8-10, 2008, "National Symposium on Emerging Trends in Advanced Chemistry", Riya Sailani, Beena Gupta, Vinita K. Gupta, Gajendra Singh and P.D. Sharma**, "**Kinetics and Mechanism of Electron Transfer Reaction: Oxidation of Pyruvic Acid by Tallium (III) in Acid Perchlorate Medium".
- Agarwal P.G. College, Jaipur, Feb 27-28, 2007, "U.G.C. sponsored National Seminar on Chemical Aspects of Environment Challenges and Their Management".

13. Details of conferences in which chaired a session: NA

14. Papers in Conference Proceedings: NA

15. **(a) National / International Collaborations with MoU (if any):** NA

    (b) Number of papers published where co-author is from another institute within the country: NA

    (c) Number of papers published where co-author is from another institute outside the country: NA

16. **National / International Awards received:** NA

17. **Membership of technical societies / academic bodies/ National or international organizations (if any):** The Indian Science Congress Association (Membership no. SLM4036)

18. **Details of Ph. D. students supervised:** NA

19. **Post-Doctoral Fellows (if any):** NA

20. **Patents and Transfer of Technology:** NA