Curriculum Vitae

Name & Address : **Dr. Neelu Kambo**
Department of Basic
Sciences, U.P.T.T.I.,
Kanpur-208002

Father's Name : Mr. P.D. Kambo

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ACADEMIC QUALIFICATION

Examination	Board/Univ.	Year
High School	U.P. Board, Allahabad	1990
Intermediate	U.P. Board, Allahabad	1992
B.Sc.	Kanpur Univ., Kanpur	1995
M.Sc.	C.S.J.M.U., Kanpur	1997
B.Ed.	C.S.J.M.U., Kanpur	1998
Ph.D. (H.B.T.I., Kanpur)	C.S.J.M.U., Kanpur	2003

Topic of Ph.D. Thesis: "Kinetics and Mechanism of Ruthenium(III) Catalyzed Oxidation of Reducing Sugars by Chloramine-T".

A. Teaching Experience

Post	Organization	Nature of Work	Duration
Assistant Professor	U.P.T.T.I. Kanpur	Teaching and Research	Dec 2007 to till date
Guest Faculty	U.I.T. Kanpur(Kanpur University)	Teaching of M.Phil class and Dissertation.	Aug.2006 to Dec 2007
Lecturer	V.S.S.D. College, Kanpur	Teaching	Aug.2004 to Jan 2005

B. Research Experiences

1. **01-02-2005 to 13-12-2007**; Project of **Young Scientist Scheme of Department of Science and Technology, New Delhi.**

   "Biological Reactions Proceeding inside the Molecular Aggregates formed by Surfactants/Hydrotropes: A Kinetic Study.

2. **25.05.2001 to 31.05.2004** : **Senior Research Fellow, CSIR, NEW Delhi.**

   "Platinum Group Metal Complexes of Aminoacids and Reducing Sugars".

3. **21.09.98 to 24.05.2001**: Institute Research Scholar (For Ph.D.)

   Department of Chemistry, H.B. Technological Institute, Kanpur

   "Kinetics and Mechanism and Ruthenium(III) Catalyzed Oxidation of Reducing Sugars by Chloramine-T".

Dr. Neelu Kambo

List of Publications

1. Kinetics and Mechanism of the Ruthenium(III) Catalyzed Oxidation of Reducing Sugars by Chloramine-T in alkaline medium.

   Neelu Kambo and S.K. Upadhyay, **Transition Metal Chemistry, 25(2000) 461.**

2. Kinetics and Mechanism of Palladium(II) Catalyzed Oxidation of Isobutanol and Isopropanol by Chloramine-T.

   Neelu Kambo and S.K. Upadhyay, **Oxidation Communication, 24(4) (2001) 547.**

3. Palladium(II) Complexes of Aliphatic amines and their Oxidation by Chloramine-T in Perchloric acid medium.

   Neeti Grover, **Neelu Kambo** and S.K. Upadhyay, **International Journal of Chemical Kinetics, 34 (10) (2002) 603.**

4. Kinetics and Mechanism of Palladium(II) Catalyzed Oxidation of some α-Amino acids by Chloramine-T in Perchloric acid medium.

   Neeti Grover, **Neelu Kambo** and S.K. Upadhyay, **Indian Journal of Chemistry, 41A (2002) 2482.**

5. Kinetics of Ruthenium(III) Catalyzed Chloramine-T Oxidation of D-Ribose, D-Mannose and L(-) Sorbose.

   Neelu Kambo and S.K. Upadhyay, **Oxidation Communication, 26 (4) (2003) 502.**

6. Kinetics and Mechanism of Oxidation of Alanine, Phenylalanine and Valine by N-bromosuccinimide in alkaline medium.

   Neelu Kambo, Neeti Grover and S.K. Upadhyay**, Journal of Indian Chemical Society, 79 (2002) 939.**

7. Kinetics and Mechanism of Platinum(IV) Catalyzed Oxidation of some Hexose's by Chloramine-T.

   Neelu Kambo and S.K. Upadhyay, **Indian Journal of Chemistry, 43A (2004) 1210**.

8. Kinetics and Mechanism of Oxidation of Amino alcohols by N-bromosuccinimide in alkaline medium.

   Shalini Pandey, **Neelu Kambo** and S.K. Upadhyay, **Oxidation Communication, 27 (4) (2004) 821.**

9. Kinetics and Mechanism of Ruthenium(III) Catalyzed Oxidation of some Reducing Sugars by Sodium Metaperiodate in alkaline medium.

Rashmi Tripathi, **Neelu Kambo** and S.K. Upadhyay, **Bulgarian Journal of Chemistry and Industry, 75 (2004) 18.**

10. Influence of surfactants on Oxidation of Aspartic and Glutamic acids by Chloramine-T in $HClO_4$ medium.

    Ekta Pandey, Neeti Grover, **Neelu Kambo** and S.K. Upadhyay, **Indian Journal of Chemistry, 43A (2004) 1186.**

11. Platinum(IV) complexes of Reducing Sugars in an Alkaline medium and their Resistance to Reaction with N-bromosuccinimide. A kinetic study.

    Rashmi Tripathi, **Neelu Kambo** and S.K. Upadhyay, **Transition Metal Chemistry, 29(2004) 861.**

12. Platinum (IV) Inhibition during Hexacyanoferrate (III) Oxidation of Reducing Sugars.

    Ekta Pandey, **Neelu Kambo** and S.K. Upadhyay, **Polish Journal of Chemistry, 79 (2005) 1689.**

13. Inhibition effect of {Cationic surfactant-Ascorbic acid} premicellar aggregation on the rate of Hexacyanoferrate(III) Oxidation of Ascorbic acid. A kinetic study.

    Neelu Kambo and S.K. Upadhyay, **J. Dispersion Science and Technology, 29 (2008) 6.**

14. Positive Cooperativity in non-ionic Micellar Catalyzed Oxidation of Amino alcohols by N- bromosoccinimide: A kinetic study.

    Shalini Pandey, **Neelu Kambo** and S.K. Upadhyay, **Oxid. Commun. 29(2) (2006) 328.**

15. Inhibition of TX-100 on the Rate of Hexacyanoferrate(III) Oxidation of Reducing Sugars, A Kinetic study.

    Neelu Kambo and S.K.Upadhyay, **J. Dispersion Science and Technology,27(2006)887.**

16. Hydrotropic Enhancement of Rate of the Browning Reaction; A Kinetic Study.

    Neelu Kambo, Shalini Pandey and S.K.Upadhyay**, J. Dispersion Science and Technology. 27(2006) 1113.**

17. Micellar Inhibition in Cysteine-Cystine Transformation by alkaline Hexacyanoferrate(III); A kinetic Study.

    Neelu Kambo and S.K.Upadhyay, **Colloid and Surfaces, 296 (1-3) (2006) 117.**

18. Interaction of Non-Ionic Surfactants with Cerium(IV) in $HClO_4$ Medium; A Kinetic Study

    Pragya Shukla, **Neelu Kambo** and Santosh K. Upadhyay, **J. Dispersion Science Technology, 29, (2008) 7.**

19. Non-Ionic Micellar Catalysed Oxidation of Vitamins by Chloramine-T in $HClO_4$ Medium; A Kinetic Study

    Varuna Shukla, **Neelu Kambo** and Santosh K. Upadhyay, **J. Dispersion Science Technology, 29, (2008) 6.**

20. Anionic Gemini Surfactant viz. Sodium Salt of Bis(1-DodecenylSuccinamic acid);

Synthesis, Surface Properties and Micellar Effect on Oxidation of Reducing Sugars By Hexacyanoferrate(III).

Anoo Gautam, **Neelu Kambo**, S.K. Upadhyay and R.P. Singh, **Colloid and Surfaces A, Physicochem. Eng. Aspects, 312 (2008) 195**

21. Antagonism in {Conventional anionic - Gemini anionic} mixed Micelles Catalysed Oxidation of D-Fructose by alkaline Chloramine –T, A Kinetic Study.

Neelu Kambo and S.K.Upadhyay, **International J. of Chemical Kinetics, 41(2) (2008) 123.**

22. Micellar Effect in Redox Reaction; A Review.

S.K.Upadhyay and **Neelu Kambo, J.Colloid Surface Science Series, Chapter-Current Focus on Colloid Surfaces, 344-389 (2009).**

23. Kinetic Behaviour of Ascorbic acid - Fructose Browning Reaction in Alkaline medium.

Neelu Kambo and S.K.Upadhyay, **Indian J. of Chemical Technology, 33(10) 1393 (2012).**

24. Premiceller/ Miceller Inhibition in alkaline $KMnO_4$ Oxidation of Reducing Sugars, A Kinetic Study.

R Tripathi, **Neelu Kambo** and S.K.Upadhyay, **J. Dispersion Sci. Technology, 33(10) 1393 (2012).**

25. Ecofriendly Dyeing of Linen Fabric with Binary Mixture of Natural Dyes.

Shewta Patel, Ritu Pandey, Neelu kambo and Abha Bhargava, Research and review: Journal of Herbal Science, 6, (2) 1 (2017).