




UNIVERSITY OF KOTA KOTA

Faculty Profile

Title	Dr.	First Name	Neelu	Last Name	Chouhan	Photograph
Designation		Associate Professor and Head of the Department				
Address		Department of Pure & Applied Chemistry, University of Kota, Near Kabir Circle, MBS Road, Swami Vivekanand Nagar, Kota-324005 (Rajasthan) India				
Phone No.		+91-744-2471742 (Office), +918003740106 (Mobile)				
E-mail		niloochouhan@hotmail.com; neeluchouhan@uok.ac.in				
Educational Qualifications:						
Degree		Institution			Year	
RS-CIT Course		VM open University, Kota			2011	
Ph.D.		M.L. Sukhadia University, Udaipur			2006	
Title of Ph.D. Thesis: Synthesis of some conducting organic systems						
B. Ed.		M. D. S. University, Ajmer. I/I Division			1996	
M. Phil.		Govt. Autonomous College, Kota			1993	
Title of M. Phil. Thesis: Kinetics studies on oxidation of o-cresol Acid Bromate						
M.Sc. (Chemistry)		Govt. Autonomous College, Kota			1991	
B Sc (Physics, Chemistry, Mathematics)		University of Ajmer, Ajmer			1989	
Career Profile:						
<u>Employment Detail:</u>						
<ol style="list-style-type: none"> Lecturer in Chemistry, S.R.D. Modi College for Women, Kota (Aug 1996-Nov. 1998). Lecturer in Chemistry, Govt. Post-graduate College, Bundi (Rajasthan). (Nov.1998 - Aug. 2012) Associate Professor, Department of Pure and Applied Chemistry, University of Kota, Kota (Aug 2012-continued) 						
<u>Fellowship Awarded:</u>						
<ol style="list-style-type: none"> Teacher Research Fellow, Department of Chemistry, Mohan Lal Sukhadia University, Udaipur (June 2004-June 2005) Post Doctoral Fellow of Department of Chemistry, Institute of Atomic and Molecular Sciences, Academia Sinica, National Taiwan University, Taipei, Taiwan Project No. AS-98-TP-A05) 						

(Mar., 2008-Dec.31st, 2009)

Area of Research Interest/Specialization: Physical Chemistry, Heterogeneous Catalysis, Kinetic Studies, 1D-organic superconductors, Nanomolecular devices, Hydrogen and Oxygen generation via Water splitting, Quantum dots, plasmonic materials, graphene based materials as photocatalyst, Photoelectrochemistry, Surface studies via advance techniques (FESEM, HRTEM, XANES, EXAFS and ynchronized XRD refinements, XPS, BET, etc), artificial photosynthesis, Functional Materials, etc.

Subject/Papers Taught: Physical Chemistry

Thermodynamics, Chemical Kinetics, Functional nano-materials, Clinical and forensic Chemistry, Quantum Mechanics, Surface Chemistry, Electrochemistry, Industrial Chemistry, Spectroscopy, Fuel and Petroleum Products, etc.

Job Responsibilities:

Current:

- **Council Member**, Indian Chemical Society (North Zone) since Jan. 2017 for three years
- **Head**, Department of Pure and Applied Chemistry since April 2015
- **Founder Editor**-UOK Newsletter: THE MIRROR
- **ADSW**, UOK since 2014
- **Member secretary**, Central placement and Counseling committee of the University, since 2014
- **Convener**, CAC (Professional courses) 2016-2018, 2016-17 and 2015-2016
- **Coordinator**: DSIR Registration 2013 and 2016
- **University Representative** of the management committee of OM Kothari TT College, Kota
- **Instrument-in-Charge**-Analytical Instruments in department (UV-Vis DRS spectrophotometer, UV-Vis spectrophotometer, Spectrofluorimeter, tube furnace, light source, UV chamber, etc) in Department.
- **Convener**: University-Industry linkage committee,
- **Program in-charge** smart village governor visit-2016 and 2017.
- **Convener** Badges and dress committee of 3rd and 4th Convocation
- Member:
 - Examination Reform committee 2013- continued
 - University Anti Raging Cell 2013- continued
 - Unfair means Committee 2015- continued
 - Women Cell
 - Convener, Badge and Dress Committee, Convocation 2016
 - Group leader, Dungarja Village Development Activity and Chancellor's visit to Dungarja village.
 - FIST-DST Project implementation committee of the Department 2015-2016- continued
 - **Coordinator**: PhD /M. Phil. Course work 2012,
 - **Coordinator**: Merit/Gold Medal's Certificate committee of convocation 2012
 - High power Discipline committee

- 7-Credit policy,
- Flying squad, 2013- continued
- BOS-Chemistry , 2013- continued
- **Coordinator**, University Beautification Committee
- COC-Applied Chemistry , co-opted member 2012 and 2013
- University Central Admission Committee 2016-17 and 2015-2016
- Assistant Centre Superintendent: Jun-2014.
- Departmental Technical Committee
- Departmental Grievance Committee
- Admission-in-Charge-M. Sc. Industrial Chemistry 2013-14
- Admission-in-Charge-M. Sc. Industrial Chemistry 2014-15
- Conducted-Student's Union Election-2014, 2015 and 2016
- Discipline Committee during Cultural Programme-2014
- Student Union Election Core Committee 2015, 2016
- **Organizing secretary** of two days Workshop on "Employability and Career Management" organized by Placement and Counseling Cell, University of Kota on 11-12th Mar., 2015.
- **Organizing secretary** of two days National Seminar on "Socio-legal issues of female feticide and infanticide in India" organized by Women Cell, University of Kota on 4-5th Oct.2013
- **Co-Convenor**, National Academic Workshop at University of Kota on 21-25th Oct.2013.
- Centre Superintendent during Dec. 24-27th, 2013
- Co-convenor, Waste management cell of university,

Research Guidance: 07

Name of PhD Scholar (Registration No.)	Title
<i>Nimish Kumar Arya (RS/1764/13)</i>	Solid Solution Photocatalysts for Water Splitting
<i>Niranjan K. Mandawat(RS1765/13)</i>	Plasmonic Material Induced and Quantum Dots Sensitised Nanomolecular Devices for Photocatalytic Water Splitting
<i>Nisha Soni (RS/1772/13)</i>	Development of the optoelectronic devices for water splitting
<i>Rajesh Kumar Meena (RS1766/13)</i>	Fabrication of the Nanomolecular Devices of ZnO for Solar Hydrogen Production
<i>Kahkasha Ansari (RS/1782/16)</i>	Preparation and characterization of solid solutions for hydrogen generation through water splitting
<i>Neeta Gurbani (RS/1791/16)</i>	Graphene Based Nanocomposites And their Application in Hydrogen generation and Storage
<i>Tripti Barmen (allotted in 2017)</i>	Nanomaterials for catalysing organic reactions
<i>Nawal Kishore Sahu (allotted in 2017)</i>	
<i>Rituraj Lakshkar (allotted in 2017)</i>	
Research awarded (01)	
<i>Pushpendra Singh MPhil (2014)</i>	Study on preparation of precipitated calcium carbonate by calcium

	carbide sludge			
Research Projects:				
S. No.	Title of Project	Amount	Funding Agency	Duration
1.	Organic conductors.	Rs. 33000	M R P, University Grants Comm., India, Project No.F8(10)/2001/ MRP/CRO dated Nov.6 th , 2001)	2001-2003 (2-years)
2.	Development of Photocatalysts for Water Splitting	3600,000 National Taiwan Dollar	Institute of Atomic and Molecular Sciences, Academia Sinica, National Taiwan University, Taipei, Taiwan Project No. AS-98-TP-A05)	2008 -2009 (2- years)
3.	Development of the optoelectronic materials for water splitting	Rs. 2920,000	DST Reference no. SR/S1/PC-0031/2012	2014-2017 (3- years)
4.	Eco-friendly photo-catalytic degradation of plastic waste for LPG production	Rs. 13,000	State DST, Jaipur	2016 (One year)
Publication Profile:				
(a) Research Papers published in Refereed/Peer Reviews Journals: Publications with total citation :159				
1. Kinetics of oxidation of o-cresol by acid bromate ion in sulphuric acid medium. Neelu Chouhan , The Contemporary Research India, 1 (2003) 23.				
2. Synthesis and characterization of charge transfer complexes of π -acceptor TCNQ with various phenol. Neelu Chouhan, M. L. Kalra, Y. N. Singh, Sudhish Kumar and Suresh C. Ameta , Molecular Crystals and Liquid Crystals 489 (2007) 99-110 (IF=0.491) ISSN:1542-1406				
3. Synthesis and electronic conduction in charge transfer complex p-Aminophenol (TCNQ) ₂ . Neelu Chouhan, M. L. Kalra and S. C. Ameta , Indian Journal of Chemistry Sec-A (2008) (manuscript IC-1746).				
4. Oxidative behavior and relative activity of o-cresol towards acid bromate. Neelu Chouhan , Proceedings of the National academy of Sciences, India, 79A (2009) 23-27 . ISSN: 0369-8203 (PRINT VERSION) ISSN: 2250-1762 (ELECTRONIC VERSION)				
5. Investigation of electronic transport in the novel charge transfer complex p-cresol(TCNQ) ₂ . Neelu Chouhan, M. L. Kalra and Suresh C. Ameta , Asian Journal of Physics, 18 (2009) 89. (ISSN: 0971-3093) (IF= 3.266)				
6. Array of CdSe QD-sensitized ZnO nanorods serves as photoanode for water splitting. N. Chouhan, C. L. Yeh, S. F. Hu, J. H. Huang, C. W. Tsai, R. S. Liu, W. S. Chang, and K. H. Chen J. Electrochem. Soc. 157 (2010) B1430-B1433. (IF= 3.266) publisher ECS (citation 29)				
7. CdSe(QDs)@ ZnO Nanotubes as an Effective Photoanode, Neelu Chouhan, Chai Ling Yeh, Shu-Fen Hu, Prof. Dr. Ru-Shi Liu, Wen-Sheng Chang, and Kuei-Hsien Chen Chem. Commun				

47, (2011) 3493-3495. RSC, (IF=6.517) (citation 54)
8. Solid Solution Cd-ZnGeON: Local Electronic Environment Against Their Photocatalytic Ability of Water Cleavage. Neelu Chouhan^{a, b}, Ru-Shi Liu^{b,*} and Shu-Fen Hu^{c,*} , RSC Journal of Materials Chem. A 2013, 1, 7422-7432. (IF=8.262) (citation 3)
9. Rapid Biosynthesis of Silver Nanoparticles using Fenugreek Seeds, Rajesh Kumar Meena & Neelu Chouhan* , Proceeding of 3 rd International Conference on “Advance Trends in Engineering, Technology and Research” (ICATETR-2014) held at Balkrishna Institute of Technology, IPR-15, Kota on 22-24 Dec.2014 pp 376-378.
10. Biosynthesis Of Silver Nanoparticles Using Trachyspermum Ammi And Evaluation Of Their Antibacterial Activities, Neelu Chouhan and Rajesh K. Meena <i>J. Pharm. Biochemical Sciences</i> , 2015, 6(2): (B) 1077 – 1086 publisher STRP, (IF=2.958) e-ISSN : 2320-1924 (IF=2.958)
11. ZnO Nanoparticles Synthesized by a Novel Approach at Room Temperature and Antibacterial activity Rajesh Kumar Meena and Neelu Chouhan , <i>American International Journal of Research in Formal, Applied & Natural Sciences</i> , 11(1), June-August 2105, pp. 68-72 . ISSN (Print): 2328-3777, ISSN (Online): 2328-3785 (IF=0.90)
12. Biosynthesis of Silver Nanoparticles from Plant (Fenugreek Seeds) Reducing Method and their Optical Properties, Rajesh Kumar Meena and Neelu Chouhan <i>Research Journal of Recent Sciences</i> , Vol. 4(IVC-2015), 1-5 (2015) ISSN 2277-2502. (IF=1.089)
13. Photocatalytic degradation of rose Bengal using nano barium chromate semiconducting particulate system, Rakshit Ameta, Neelu Chouhan, Pinki B. Punjabi and Dinesh I. Prajapati , <i>International Journal of Photocatalysis</i> . Publisher: photon foundation, 2015, 119, 219- 226, ISJN: 3276-7846, (IF=3.97) 2015
14. Improved Performance Of Dye Sensitized Solar Cell Using Carbon And Zinc Co-Doped Semiconductor, Rakshit Ameta, Monika Trivedi, Neelu Chouhan and Chetna Ameta , <i>International Journal of Renewable Energy Technology Research</i> , 2015, 4(4) 1-10, ISSN: 1309-0127 publisher : Ilahmi cloak (IF=1)
15. "Rare Earth-Free GaZnON Phosphor Prepared by Combustion for White Light-Emitting Diodes" Neelu Chouhan,^{[a][b]#} Chun Che Lin,^{[a]#} Shu-Fen Hu,^{*[c]} and Ru-Shi Liu , <i>Journal of Materials Chemistry C</i> , RSC 2015, 3, 1473-1479.(IF=6.626) (citation 4) ISSN 2050-7526; ISSN 2050-7534
16. Visible light harvesting Pt/CdS/Co-doped ZnO nanorods molecular device for hydrogen generation. Neelu Chouhan, Rakshit Ameta, Rajesh Kumar Meena, Niranjana Mandawat, and Rahul Ghildiyal . <i>International Journal of Hydrogen Energy</i> , 41(4) 2016, 2298-2306 (Elsevier publications) (IF= 3.659)(citation 1) ISSN: 0360-3199
17. Nano-Sized Photocatalytic Materials for Solar Energy Conversion and Storage. R. Ameta, D. Soni, S. Benjamin, N. Chouhan, S. C. Ameta , <i>Materials Science Forum</i> , Vol. 855, pp. 58-77, 2016

18. Biosynthesis of Silver Nanoparticles from Plant (Tea Leaves) Reducing Method and their Optical Properties, Rajesh Kumar Meena and **Neelu Chouhan*** *Research Journal of Recent Sciences*, Vol. 5(11), 39-43 (2016) ISSN 2277-2502. (IF=1.089)

19. Biogenic Silver Nanoparticles from Trachyspermum Ammi (Ajwain) Seeds Extract for Catalytic Reduction of p-Nitrophenol to p-Aminophenol in excess of NaBH₄, **Neelu Chouhan**^{*1}, Rakshit Ameta² and Rajesh Kumar Meena *Journal of Molecular Liquids* (2017) 230:74–84 (IF= 2.74) ISSN: 0167-7322 DOI: 10.1016/j.molliq.2017.01.003

20. Rajesh Kumar Meena, Niranjana Kumar Mandawat, Neeta Gurbani and **Neelu Chouhan** Synthesis of ZnO Nanoparticles for Organic Pollutant Degradation, *International Journal of Advance Research in science and Engineering Vol. No 6(01), January 2017 P.P 802-808*

(b) Research Papers published in as Book Chapter:

- (1) Suresh Ameta, Rameshwar Ameta, **Neelu Chouhan**, Jitendra Vardia. Physical Chemistry for B.Sc.-II, **Himanshu Publications, Udiapur** (India), 2006 ISBN: 81-7906-025-X pp501 price: Rs. 140 (graduation course book)
- (2) Suresh Ameta, Rameshwar Ameta, **Neelu Chouhan**, Jitendra Vardia, Pankaj Saxena. Physical Chemistry for B.Sc.- III **Himanshu Publications, Udiapur** (India) (2007) ISBN: 81-7906141-8 pp501 price: Rs. 140 (graduation course book)
- (3) **Neelu Chouhan** and R. S. Liu (Chapter 1: Electrochemical Technologies for Energy Storage and Conversion) of “Electrochemical Technologies for Energy Storage and Conversion” Zhang, JiuJun / Zhang, Lei / Liu, Hansan / Sun, Andy / Liu, Ru-Shi (eds.) Edition – Nov. 2011, 791 Pages, Volume-1, Hardcover 336 Fig. (12 Colored Fig.), 68 Tab. - Handbook/Reference Book -ISBN-10: 3-527-32869-6 ISBN-13: 978-3-527-32869-7 -**Wiley-VCH, Weinheim Euro: 249** (citation 58)
- (4) **Neelu Chouhan**, Chih Kai Chen, Wen-Sheng Chang, Kong-Wei Cheng and Ru-Shi Liu (Chapter 12: Photoelectrochemical Cells for Hydrogen Generation) of “Electrochemical Technologies for Energy Storage and Conversion” Zhang, JiuJun / Zhang, Lei / Liu, Hansan / Sun, Andy / Liu, Ru-Shi (eds.) Edition - November 2011, 791 Pages, Volume-2, Hardcover 336 Fig. (12 Colored Fig.), 68 Tab. - Handbook/Reference Book -ISBN-10: 3-527-32869-6 ISBN-13: 978-3-527-32869-7 -**Wiley-VCH, Weinheim Euro: 249** (citation 3)
- (5) **Neelu Chouhan**, Anil Kumar, Ajay Sharma, and Rameshwar Ameta (Chapter 3 “Eco-Friendly Products”) In Green Chemistry: Fundamentals and Applications, (Editors: Suresh C. Ameta, Rakshit Ameta), Edition August 2013, (**Apple Academics Press CRC Press, a Taylor & Francis Group**) ISBN 9781926895437 - CAT# N10733pp: price: \$129.95 US | £82.00 (citation 2)
- (6) **Neelu Chouhan** Rajesh Kumar Meena and R. S. Liu, Chapter 8 Hydrogen: An Alternative fuel of SOLAR ENERGY CONVERSION AND STORAGE: Some Photochemical Modes, (Editors: Suresh C. Ameta, Rakshit Ameta) **CRC Press, Taylor & Francis Group, Florida-USA.**, Nov.2015, ISBN-978-1-48-224630-8 pp: 312 price \$159.95 (citation 1)
- (7) **Neelu Chouhan**, Ru-Shi Liu and JiuJun Zhang, Photochemical Water Splitting: Materials and Applications; Series Name: Electrochemical Energy Storage and Conversion; **Series Editor:** JiuJun Zhang, ISBN 9781482237597 , **CRC Press, Taylor & Francis Group, Florida-USA Feb. 2017** pp: 352 price Euro114.00
- (8) Rakshit Ameta, Dipti Soni, Surbhi Benjamin, **Neelu Chouhan**^a and Suresh C. Ameta Chapter 5: Nano-sized Photocatalytic Materials for Solar Energy Conversion and Storage, Edited by Rajesh J. Tayade Photocatalytic Materials & Surfaces for Environmental Cleanup IV ISSN: 1662-9752, Trans-

Tech Publications, Switzerland, March, 2016, pp 58-77.

(c) Research Patents: 01 (International patent granted)

“A COMPOUND OF BLUE PHOSPHOR FOR UV LIGHT EXCITATION AND THE MANUFACTURING METHOD THEREOF”
Chun-CheLin, **Neelu Chouhan**, Kuo-Ju Chen, Ru-Shi Liu, Shu-Fen Hu, Chien-Yuan Wang, (可免填)
A2009-009-TW (2009) International Patent approved from **2013/02/11~2029/05/21 (Taiwan Patent number: 385237)**

Conferences/Symposia/Workshops:

(a) Participation as Paper/Poster Presenter:

- [1] National Seminar on “Chemical Aspects of Challenges for Environment in the new Millennium”, at Deptt. of Chemistry, Govt. P. G. College Kota (India), Dec 15-16, 2001 (paper).
- [2] 43rd Annual Convention of Chemists (Indian Chemical Society), at Deptt. of Chemistry, J. N. V. University, Jodhpur (India), 26th - 29th Dec., 2001 (paper).
- [3] National symposium on “Chemistry: Some Newer Dimensions” at Deptt. Of Chemistry, M. L. S. University, Udiapur (India) 28th - 29th Dec., 2003 (paper).
- [4] National symposium on “Photocatalysis for Energy Environment and Chemical Industries”, at Dept. of Chemistry, M. L. S. University, Udiapur (India), Dec. 14-15, 2005 (paper).
- [5] 2nd International Congress of Chemistry and Environment at Indore, Dec. 24-26, 2005 (Poster).
- [6] National Conference on “Environmental Pollution and It’s Control”, at Deptt. of Chemistry, Engineering College, Kota (India), March 25-26, 2006. (paper)
- [7] National Seminar on “Recent Advances in the field of Applied Chemistry”, “Synthesis and Characterization.....phenols” at Dept. of Chemistry, Govt. J.D.B. Girls College, Kota (India) from 2nd – 3rd Dec., 2006. (Paper)
- [8] 75th International Gordon Research Conferences “Investigation of electronic transport in the novel charge transfer complex p-cresol(TCNQ)₂” on “Solid State Chemistry –II”, at Magdalen College, Oxford, (UK), Sept. 2-7, 2007 (Poster).
- [9] 10th International Conference “Electronic transport in the quasi 1D charge transfer complexes of π -acceptor TCNQ with phenols” on Advanced Materials (IUMRS-ICAM 2007), at Hotel Grand Ashok Bangalore, India Oct. 8-13, 2007. (Poster)
- [10] 10th International Conference of International Academy of Physical Sciences “Electronic conductivity profile of charge transfer complexes of phenols” held at Guru Ghanshi Das University, Bilaspur, (CG), India on Jan 12-14, 2008 (oral)
- [11] International conference 19th MRS-T Annual Meeting and 40th Anniversary, Taipei, Taiwan, Solid solution GaN:ZnO for H₂ gas evolution through photocatalytic water splitting Neelu Chouhan , R. S. Liu , Kuei-Hsien Chen Taipei, Taiwan Nov. 21-23, 2008 (Poster and paper)

- [12] 13th International conference on Biomedical engineering, , International convention and exhibition centre, Singapore. Characterization of Functional Nanomaterials in Cosmetics and its Cytotoxic Effects. J.-H. Huang¹, H. J. Parab^{1,3}, R. S. Liu^{1*}, T.-C. Lai², M. Hsiao², N. Chouhan¹, C. H. Chen² and Y. K. Hwu³ , Singapore 3-6 Dec. 2008 (Poster& paper IEEE).
- [13] International conference Sweden-Taiwan workshop, “Oxynitrides photo-catalyst GaN:ZnO for visible light overall water splitting” Neelu Chouhan* R. S. Liu, and Kuei-Hsien Chen, Sitou,Taiwan,10-11March, 2009 (Poster)
- [14] International conference UK-Taiwan INTS-2009 workshop “Oxynitrides of Zn and Ga served as a photo-catalyst for overall water splitting in the visible light”Neelu Chouhan *¹ R. S. Liu,¹ and Kuei-Hsien Chen ² ,Taipei, Taiwan March 9, 2009 (Poster).
- [15] International conference 20th MRS-T T Annual Meeting “High Efficiency for Water Splitting by CdSe sensitized- ZnO Nanorods” Neelu Chouhan, Ru-Shi Liu, Jing Hong Haung, Hao Ming Chen, Chai Ling Yeh, Shu-Fen Hu, Wen-Sheng Chang and Kuei-Hsien Chen Nov. 26-28, 2009, Hualian,Taiwan (poster& paper).
- [16] International Conference on Annual Meeting Chemical Society “Photoelectrochemical Water Splitting by CdSe (QDs) Sensitized ZnO (NRs)” Neelu Chouhan, Chai Ling Yeh, Shu-Fen Hu, Jing Hong Huang, Hao Ming Chen, Chi-Wen Tsai, Ru-Shi Liu, Wen-Sheng Chang, and Kuei-Hsien Chen-Kaoshiung, Taiwan, Dec. 4-6, 2009 (Poster& paper)
- [17] National Symposium on Recent Advances in Chemical Sciences, “ZnO 1D-Nanostructures: their structural and photovoltaic correlation.” Neelu Chouhan*^{1,2} and Ru -Shi Liu² Department of Pure & Applied Chemistry, University of Kota, Kota Jan. 7th -8th, 2011
- [18] National conference on Emerging Views in Advanced Chemistry, “ZnO nanorods and nanotubes-structured thin films Vs bulk samples: photovoltaic and structural studies.” Neelu Chouhan^{1,2} , Purnima Dixit² and Ru -Shi Liu¹ held at Department of Chemistry, MLV. Govt. College, Bhilwara-311001, Dec. 17-19th, 2010
- [19] 13th International Conference of International Academy of Physical Sciences “Electronic structure of Cd-ZnGeON investigated from x-ray absorption near edge spectroscopy”, (CONIAPS-XIII) On Emerging Interfaces of Physical Sciences and Technology at University of Petroleum & Energy Studies, Dehradun, Uttarakhand – 248007-India, June 14-16, 2011 (oral)
- [20] National Conference “ZnO Nano architects utilized for fabricating photovoltaic devices for water splitting” on Social, Educational, Technological and Medicinal Relevance of Chemistry, School of Studies in Chemistry and Biochemistry, Vikram University, Ujjain, India, Nov. 25-26th , 2011. (Invited Talk)
- [21] National Seminar, “ZnO Nano architects for watersplitting” On Rediscovering popular dimensions in Chemistry, Department of Chemistry, PMB. Gujarati Science College, Indore,India, December 7-8th

, 2011(Invited Talk).

- [22] 14th International Conference of International Academy of Physical Sciences, “Successive development of the nano structures ZnO for optical devices”, (CONIAPS-XIV) On Physical Sciences Interfaces With Humanity held at Sardar Vallabh bhai National Institute of Technology, Surat- 395007-India December 22-24, 2011(oral)
- [23] National Conference, Chemical Sciences in new mellinium. “Successive development of the nano structured ZnO- photoanode for water splitting”, Neelu Chouhan^{1,*} and Hari Sankar Sharma¹ held at Pacific University, Devari Udaipur,-313024 Jan08, 2012 (Poster).
- [24] Centre for excellence Gov. College Bundi organized an interdisciplinary seminar for Promotion of Quatilty Research on 13 Jan. 2012.
- [25] Indo Swedish Symposium on Strategic Knowledge on Climate Changes (Designing climate –smart water adaptation strategies for sustainable development) organized by Department of Pure and Applied Chemistry, University of Kota, Kota and centre for Climate Science and Policy Research Linkoping University Sweden, held at UOK, Kota on 09Oct. 2012
- [26] International conference ,CET World Congress on Engineering and Technology, “Solid Solution Cd-ZnGeON: Local Electronic Environment Against Their Photocatalytic Ability of Water Cleavage” Neelu Chouhan, held at Beijing, China from Oct. 26 to Oct. 28, 2012.
- [27] 49th Annual Convention of Chemists, Indian Chemical Society, Kolkata , “Successive development of the Photocatalytic Nanomolecular Devices of ZnO for Water Splitting”held at Department of Applied Sciences, National Institute of Technical Teachers’ Training and Research, Shamla Hills, Bhopal, (M.P.) India during December 12-15, 2012 (Invited talk)
- [28] Attended BRNS-AEACI Sixth School on Analytical Chemistry (SAC-6) organised by Analytical Chemistry Division, BARC,Trombay, Mumbai – 400 085 during 13-20 May, 2013
- [29] National Seminar, Social Challenges of Female Forticide and Infanticide in India, Women Cell UOK, Kota , National Comission for Women, New Delhi and UGC, New Delhi held at UOK on 4-5 Oct., 2013
- [30] National workshop on organised by University Intellectual Property Rights Cell Department of Commerce and managements, UOK, Kota and DST Govt. Rajasthan, Jaipur held at UOK on 20 Nov., 2013
- [31] National workshop on Conservation of cultural heritage resources A value based Approach organised by, School of Heritage Tourism Mueology and Archaeology, UOK, Kota and UGC, New Delhi at UOK on 21 22 Dec., 2013
- [32] DAE-BRNS International Conference on Organic Devices: Neelu Chouhan and Rajesh K. Meena, The Future Ahead “Evaluation of the local electronic Enviornment of the solid solution CdZnGeON” organised by Technical Physics Division at BARC, Trombay Mumbai-400085, India during 3-6

March, 2014. Presented Poster (CP-06, page 42)

- [33] Workshop on Question Repository (Chemistry): School of Science and Technology, organised by Vardhaman Mahaveer Open University, Kota held on 8-10 Feb., 2014.
- [34] Deliver a video Repository on UV –Vis. Spectroscopy Techniques at Vardhaman Mahaveer Open University, Kota held on 10 Feb., 2014.
- [35] National Seminar on Environmental Issues and Social Concerns, Ecofriendly Technology: green synthesis of gold and silver nanoparticles from plant extract” organised by Department of Social Sciences UOK, Kota and Indian Sociological Society, RC-11, India, held at UOK, Kota during 21-22 March, 2014
- [36]. Nanomolecular devices for water splitting, Pacific University, Devari Hills Udaipur on March 29, 2014, (invited lecture)
- [37] Sunsil Photovoltaic Instrumental Workshop (Photovoltaic Devices: Module to devices) held at Department of Polymer Sciences, CSIR-NCL, Pune from 9th-10th July, 2014
- [38] National Workshop on “Use of GPS and open source QGIS in wildlife management,” organised by Department of Wildlife Sciences, University of Kota, Kota and National Institute of Rural Development, Jaipur held at Department of Wildlife Sciences, University of Kota, Kota from 4th-9th Aug., 2014.
- [39] PANalytical Instrumental Workshop (IUCr : X ray diffraction systems and related application) held at Department Chemistry, DU, Delhi from 25th-26th Sept., 2014.
- [40] National School on “Recent computational trend & techniques in computer sciences” held at Department of Computer Science & Informatics, University of Kota, Kota from 4-9th Oct. 2014
- [41] Invited talk on XRD Techniques and Application held at Department of Chemistry, MD Mission College, Kota on 15th Oct. 2014
- [42] Delivered talk on National conference on Materials Science (NCMS-2014) entitled “Nanooxides for optoelectronics” organised by Department of Physics, Mewar University, Chittorgarh, Rajasthan and DST, New Delhi on 17-18th Oct. 2014
- [43] 51th Annual Convention of Chemists, Indian Chemical Society, Kolkata, “Nanooxides for Photocatalytic Watersplitting ” held at Department of Chemistry, Kurukshetra University, Kurukshetra (Haryana) India during Dec. 9-12, 2014. (Invited talk & chaired a session)
- [44] 3rd International conference Rapid Biosynthesis of Silver Nanoparticles using Fenugreek Seeds, Rajesh Kumar Meena & Neelu Chouhan*, Bal Krishan College of Engineering, Ranpur Road, Kota during 23-24 Dec. 2014
- [45]] National Seminar on Administrative culture in India: transparency and Accountability organised by Department of Social Science, University of Kota, Kota during 20-21 Feb. 2015 (Key note speaker)
- [46] National Seminar on “Recent Advancement in protection of Environment and its management issues”

held at Maharshi Arvind College of Engineering & Technology Ranpur, Kota during 27-28 Feb. 2015

- [46] National conference on “Synthesis of silver nanoparticles from fenugreek extract by reducing method” PP93 Frontiers at the chemistry allied Sciences Interface, organised by Centre of Advance studies Department of Chemistry, University of Rajasthan, Jaipur (India) 13-14 March, 2015
- [47] EEST2015 organized by the **International Academy of Electrochemical Energy Science (IAOEES)**, Visible light sensitive nanocomposite Pt/CdS/Co-doped ZnO for efficient photocatalytic water splitting *Neelu Chouhan,^{§*} Rajesh Kumar Meena,[§] Kavita Nagar[§] and Rahul Ghildiyal* held at Vancouver, Canada during 16-22 Aug. 2015 (invited talk)
- [48] Attended one five day QIP-work shop on fluorescence spectroscopy, 22-26 Nov. 2015 at IIT, Kanpur
- [49] Delivered one invited talk on “Modified graphene oxides for photocatalytic water splitting” during the 52th Annual convention and international conference on recent advances in Chemical Sciences, held at JECRC University, Jaipur during 28-30th Dec. 2015. (industrial chemistry session)
- [50] Delivered one invited talk on “Nanostructures for splitting of water during the National Conference on “Modern Trends in Chemical Sciences” at Department of Chemistry, M. L. Sukhadia University, Udaipur (Rajasthan) on 30-31, Jan. 2016.
- [51] Rajesh Kumar Meena, Kahksha Ansari, Neeta Gurbani, Niranjana Kumar Madawat and Neelu Chouhan of Department of Pure and Applied Chemistry, had presented a paper in International Conference on Frontiers at the Chemistry Allied Sciences Interface (FCASI-2016), organized by Department of Chemistry, University of Rajasthan, Jaipur on 25 -26 April, 2016.
- [52] Dr. Neelu Chouhan of Department of Pure and Chemistry, delivered one lecture on *How to prepare thesis* during the PhD course work program of the University, on 16.05.16.
- [53] Dr. Neelu Chouhan of Department of Pure and Chemistry, chaired a session during the National Conference on 'Frontiers in Chemical Sciences' (NCFCS-2016) in association with Indian Chemical Society, Kolkata on 4th Oct. 2016 at Pacific University, Udaipur program of the University
- [54] Dr. Neelu Chouhan of Department of Pure and Chemistry, chaired a session during the National Conference and Workshop on Green Chemistry on 20th October 2016 in association with Royal Society of Chemistry, (London), North India Chapter, University of Delhi, New Delhi. on 20th Oct. 2016 at Department of Chemistry, MLS University, Udaipur
- [55] **Dr. Neelu Chouhan** presented an invited talk on “Green synthesis of Nanocomposite AgCl-ZnO: An Efficient Visible-Light Harvesting Devices for water splitting” during the 53th Annual convention of chemist, held at GITAM University, Vishakapatnam, AP during 27-29th Dec. 2016. (Industrial and Applied Chemistry session)
- [56] **Dr. Neelu Chouhan** attended one Three day Work shop on Interpretation of Instrumental Methods (WIIM-2017)" sponsored by DST-SERB, Govt. of India and Kunash Instruments, which is held at Sathyabama University during 5th-7th, January, 2017.
- [57] **Dr. Neelu Chouhan** chaired a science session during the International Conference on innovative research on science, Technology and Management at MIMT, Kota, during 22-23 Jan., 2017.

[58] **Dr. Neelu Chouhan** delivered an invited talk and conducted an experimental session on “Spectrofluorimeter Technique and Application” during the separation technique supported by UGC and MDS University, Ajmer on 31st Jan. 2017.

(b) **Participation Only: Nil**

Conferences/Symposia/Other activities Organized:

1. Member, **Technical Committee** of *Symposium on Recent Advances in Chemical Sciences*, Department of Pure & Applied Chemistry, University of Kota, Kota during Jan. 7th -8th, 2011
2. **Organizing secretary** of two days National Seminar on “Socio-legal issues of female foeticide and infanticide in India” organized by Women Cell, University of Kota on 4-5th Oct.2013
3. **Co-Convenor**, National Academic Workshop at University of Kota on 21-25th Oct.2013
4. **Member, Technical Committee** National Workshop on “Conservation of Cultural Heritage Resources” organized by School of Heritage, Tourism, Archaeology and Museology of University of Kota, Kota at 21-22 December, 2013.
5. **Advisory board:** National Conference on Administrative culture in India: transparency and Accountability, sponsored by ICSSR, New Delhi organized of Department of social Science, UOK, Kota, during 20-21Feb., 2015
6. **Organizing secretary** of two days Workshop on “Employability and Career Management” organized by Placement and Counseling Cell, University of Kota on 11-12th Mar., 2015.
- 7 **Advisory board:** Science Exhibition and workshop, 25-27, Nov.15 MIMT, Kota
8. **Advisory board:** International multidisciplinary conference, 22-23 Jan.2017 MIMT, Kota

Orientation/Refresher Courses Attended:

- Orientation Course** at Academic Staff College, Shimla, H.P. India) (27.Nov. -23.Dec.2000)
- Refresher Courses** at Academic Staff Colleges at Jaipur, Raj., India (18.Sept.-07.Oct, 2006),
Academic Staff College, MDS University, Ajmer, Raj. India (5-25.Oct.2005)
Department of Chemistry, MD University, Rohtak, Haryana (16.Feb-8.Mar., 2002)

Distinctions and Awards:

Awards:

1. [Grignard Research Award-2015 in Chemical Science](#) by [IASR](#) ([International Agency for Standards and Ratings](#)) for the paper Photocatalytic degradation of rose Bengal using nano barium chromate

semiconducting particulate system, International Journal of Photocatalysis, photon 2015, [119, 219- 226](#)
Publisher: photon foundation, ISJN: 3276-7846, (IF=3.97)

Life membership of

(a) Indian Chemical Society, Kolkata, India; LM/6015 (2001)

(b) Contemporary Research India, Jaipur, India.

(c) Association of Environmental Analytical Chemistry of India (LM203(2013))

(d) Editorial Board, Acta Chimica & Pharmaceutica Indica Udaipur, India

***(e) Editorial Board, STM journal: Journal of Modern Chemistry
and Chemical Technology***

***(f) International Association of Advanced Materials membership Number:
69128291780(2016)***