

Date: 27th September 2015

CURRICULUM – VITAE

Name Dr Yogesh Kumar Sharma

Personal Information:

Date of Birth: 1st January 1981

Citizenship: Indian

Present Position: Assistant Professor

Official Address:

Department of Chemistry, Swami Shraddhanand College
(University of Delhi), Alipur, New Delhi-110036

Address for Correspondence:

Department of Chemistry,
Swami Shraddhanand College (University of Delhi),
Alipur, New Delhi-110036

Mobile No. +91-9899753156

E-mail address: yksharmadu@gmail.com

Date of Appointment in the College: 23rd July 2015

Total Teaching Experience: Three Years

Native Place: Bulandshahr (Uttar Pradesh)

Education:

S.No.	Examination passed (With main subject)	University/Institution	Year of passing	% Marks/Grade	Remarks
1.	Ph.D. Chemistry	University of Delhi	2011	Highly commended	-
2.	M.Sc. Chemistry	C.C.S.U. Meerut	2003	66	I class
3.	B.Sc. Chemistry	C.C.S.U. Meerut	2001	62	I class

Fellowship and Awards: (including convener/co-convener/member organizing committees etc for International and national conferences/workshops/seminars)

- ❖ **Awarded Senior Research Fellowship by Council of Scientific and Industrial Research (CSIR) India ((9/45 (0842)/2009-EMRI).**
- ❖ **Awarded Junior Research Fellowship, University Grant Commission (UGC), Govt. of India under Central University Research Scheme (2006-2009).**
- ❖ **DST and CSIR awarded full international travel fellowship for paper presentation in International Conference for Young Researchers on Advanced Materials (ICYRAM), 1st July 2012 to 6th July 2012, Singapore.**
- ❖ **Won best poster prize in International Symposium of Materials Chemistry held at Bhabha Atomic Research Center (BARC), Mumbai, INDIA from 2-6 Dec. 2008.**
- ❖ **Selected for the Seventh Programme on “Technology Led Entrepreneurship” conducted by CSIR HRDG and faculty of Indian Institute of Management, Banglore (IIMB) and successfully completed the course at Indian Institute of Chemical Technology, (IICT) Hyderabad, 2010.**

International /National Positions and/or Awards/ Fellowships

- ❖ **Editor** of Global Journal of Chemistry, an International journal
- ❖ Associate editor of **Journal of Integrated Chemical Sciences (an International journal).**

- ❖ Life member of **Materials Research Society of Singapore (MRS-S)**.
- ❖ Life member of **International Materials Institutes (IMIs)**
- ❖ Life member of **Indian Society of Material Chemists (ISMC)**.
- ❖ Life member of **Green Chemistry Society, RSC, London and DUGCS**.
- ❖ Member of the **Green Chemistry Network Centre (GCNC)**, University of Delhi, India.
- ❖ Biographical profile included in “**Marquis Who’s Who in World and Asia**” (2013).
- ❖ Appointed as external examiner and internal examiner by **University of Delhi** for practical examinations for undergraduate and postgraduate science courses (2011-2012).
- ❖ Appointed as external examiner and internal examiner for practical examinations of undergraduate and postgraduate science courses **by Amity University, NOIDA in 2011 to 2014**.
- ❖ Appointed the member of visiting team (flying squad) by **University of Delhi** for undergraduate **Annual/Semester examinations-2013**.
- ❖ Appointed the observer for undergraduate **Annual/Semester examinations-2013 by University of Delhi**.
- ❖ **Senior Technical Assistant** (temporary basis) Operating experience of TG/DTA Thermal analyzer as STA at Department of Chemistry, University of Delhi (**Jan 06-April 07**)

List of Students Awarded Ph.D./M/Phil.: N/A

List of Students Pursuing Ph.D./M.Phil. : N/A

List if Students guided for /M.Tech./B.Tech/B.Sc./M.Sc./B.A./M.A. Projects etc.

Innovation Project by University of Delhi (2014-15)

Project entitled “Morphology Controlled Synthesis of Multiferroic Nanomaterials by Wet-Chemical Method and their Optoelectronic, Magnetoelectric and Photocatalytic Properties” **Innovation Project No. SSNC-207 (2014-2015).**

Council of Scientific and Industrial Research (CSIR) India (2009-11)

“Investigation of Heterobi-Metallic Molecular Precursor Formation Containing Ti as One of the Metals” Grant No. ((9/45 (0842)/2009-EMRI)).

REVIEWER INTERNATIONAL/NATIONAL JOURNALS:

- ❖ Review member of **scientific papers (Materials Chemistry and Physics)**
Elsevier.

Member International/National Journal editorial Board etc.

- ❖ **Editor** of Global Journal of Chemistry, an International journal
- ❖ Associate editor of **Journal of Integrated Chemical Sciences (an International journal).**

Research Projects/ Innovation Projects Undertaken :

- | | |
|----------------------|------------|
| (i) Completed | O2 |
| (ii) Ongoing | N/A |

Research Interest: Nanomaterials, Biomaterials and Functional Materials by Soft Chemical Routes.

Computer Literacy: (Softwares etc. used /working knowledge)

Operating System	:	Windows XP, MS-DOS
Languages	:	Command over PASCAL, C, BASIC
Packages	:	MS-Excel, Word, PowerPoint, ISIS, Chemdraw Ultra,Sci-Finder Scholar, Diamond, ShelX etc.

Contribution in International Conferences/Seminars/Workshops:

1. Poster presentation entitled “Synthesis of plant-mediated copper and silver nanoparticles using *Neolamarkia cadamba* L. leaf extract and their characterization” in **1st International Conference on Emerging Trends of Nanotechnology in Drug Discovery, May 26-27, 2014**, organized by Sri Venkateswara College, University of Delhi and University of Delhi, South Campus.
2. A scientific poster entitled “**Facile Synthesis of Metal-Organic Moieties (MOMs) and Their Applications in Molecules to Materials**” has been presented at International Conference on Interface between Chemistry and Environment (ICICE), **December 13 to 14, 2012**. The conference is being organized by Department of Chemistry, Ramjas College, University of Delhi.
3. **Yogesh Kumar Sharma**, “Synthesis of tetragonal tungsten bronze $\text{Sr}_{0.5}\text{Ba}_{0.5}\text{Ta}_2\text{O}_6$ nanorods by citrate–nitrate gel approach: investigation of their optical and dielectric properties” presentation at ICYRAM 2012 from **1 to 6 July, 2012** at Matrix @ Biopolis, Singapore.
4. **Yogesh Kumar Sharma** and R. Nagarajan ‘Dielectric Response of Ilmenite MnTiO_3 ’ International Conference on Electroceramics (ICE-2009), Department of Chemistry, University of Delhi, Delhi, INDIA (**13-17 December, 2009**).**Yogesh**

- Kumar Sharma**, R. Nagarajan, 'Preparation of Fine Sized NiTiO₃ by Solution Metathetical Reaction' First Indo-Danish DU-SDU Seminar on Emerging Trends in Interfacial Areas of Chemical, Biological and Environmental Sciences (**17-18 March, 2008**).
5. **Yogesh Kumar Sharma**, N. Tyagi, E. Ghanti, 'Synthesis of Transition Metal Fluorides of the Formula KMF₃ (M=Cu, Mn)' International Symposium of Materials Chemistry (ISMC), Bhabha Atomic Research Center (BARC), Mumbai (2-6 Dec. 2008) (**Won IInd best poster prize**).
 6. 7th Indo-Italian Workshop on 'Chemistry and Biology of Antioxidants' organized by University of Delhi and Italian Embassy at Department of Chemistry, University of Delhi, Delhi (**16th November 2010**).
 7. '1st Indo Italian Workshop on Frontiers of Fundamental and Industrial Electrochemistry' A challenge for better world, organized by University of Delhi and Embassy of Italy, Conference centre, University of Delhi, Delhi (**August 30th -31st 2010**).
 8. 'Indo-Russian Workshop on Nanotechnology and LASER Induced Plasma-2009 (IRNANO-2009)' organized by Luminescence Society of India, NPL and University of Delhi (**24th -26th November, 2009**).
 9. 'Indo-Japanese Seminar on Polymeric Advanced Materials', Department of Chemistry, University of Delhi, Delhi, INDIA, (**February 26th, 2009**).
 10. 'International Symposium of Materials Chemistry (ISMC), Bhabha Atomic Research Center (BARC), Mumbai, (**2nd -6th December, 2008**). **Won IInd best poster prize**.
 11. Second IUPAC sponsored 'International Symposium on green/Sustainable Chemistry', Department of Chemistry, University of Delhi, Delhi (**10th -13th January, 2006**).

Contribution in National Conferences Seminars/Workshops :

Presented the outcome of the innovation project entitled "**Morphology Controlled Synthesis of Multiferroic Nanomaterials by Wet-Chemical Method and their**

Optoelectronic, Magnetoelectric and Photocatalytic Properties” by display of synthesized materials and models in Antardhvani (annual fest of University of Delhi) 2014 and 2015.

Presented a poster entitled “Morphology Controlled Synthesis of Multiferroic Nanomaterials by Wet-Chemical Method and their Optoelectronic, Magnetoelectric and Photocatalytic Properties” in **National Symposium on Electroceramics-Materials and Devices (NSE-MD-2014)** organised by GVM girls degree college, Sonipat **from Feb 21st -22nd, 2014.**

Presented a poster on the innovation project SSNC-207 entitled “Morphology Controlled Synthesis of Multiferroic Nanomaterials by Wet-Chemical Method and their Optoelectronic, Magnetoelectric and Photocatalytic Properties” in **Antardhvani-2014 (University of Delhi Annual Fest) which was held from 14th-16th Feb 2014** at University’s Rugby Seven Stadium, DU, Delhi-110007 (**Received Vice-Chancellor’s appreciation for the project**).

Presented a poster entitled “**Synthesis of Metal-Organic- Moieties (MOMs) by Facile Route and Their Applications**” has been accepted for the presentation at “NATIONAL SYMPOSIUM ON RECENT TRENDS IN INNOVATIVE RESEARCH AT UNDERGRADUATION: SCIENCE AND SOCIETY”, RTIRUGSS-2013. The poster has been presented in the symposium which was held from **28th Feb-2nd March 2013** at Sri Venkateswara College, University of Delhi, New Delhi, India.

Yogesh Kumar Sharma and Rathi, B. ‘Environment Benign Lead Free $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ Microrods Synthesis by Modified Aqueous-Organic Gel Process using Disodium EDTA

as Sodium and Complexing Source' presented at National Workshop on Renewable Energy & Environment (NWREE) 28th-29th January 2011, Delhi, INDIA.

National Seminar on 'Recent Trends in Polymeric Smart Nanomaterials' organized by Central Institute of Plastics Engineering and Technology (CIPET) Lucknow (**27th April 2012**).

Seminar- 'Yamuna-Lifeline of Delhi' organized by Petrotech Society, Delhi Chapter and Kirori Mal College, University of Delhi, Delhi (**30th March 2011**).

'National Seminar on 'Role of Analytical techniques in Biological and Environmental Sciences' held at the Conference Centre and Kirori Mal College, University of Delhi, Delhi (**January 27-29, 2011**).

National Workshop on Renewable Energy & Environment (NWREE), Department of Chemistry, Ramjas College, University of Delhi, Delhi, INDIA (**28th-29th January 2011**).

One day seminar on "Analytical Solution From Bruker AXS" organized jointly by Indian Society of Analytical Scientists- Delhi Chapter and Bruker AXS at " ESSEX FARMS", New Delhi (**1st October 2010**).

'National Conference on Recent Trends in Materials and Devices (RTMD)' organized by Amity Institute of Applied Sciences and Amity School of Engineering and Technology, Amity University campus, NOIDA (**May 20th -21st, 2010**).

'One day Symposium on the Applications of Nuclear Magnetic Resonance to Materials and Medicine, Indian institute of Technology Delhi (IITD), New Delhi (**November 21st, 2006**).

'9th National Symposium in Chemistry (NSC-9) Chemical Research Society of India (CRSI)', Department of Chemistry, University of Delhi (**February 1st -4th, 2007**).

‘Workshop on Green Chemistry Education for Sustainable Future’ sponsored by DST inter Green Chemistry Programme, Department of Chemistry, University of Delhi (March 10th, 2007).

LIST OF PUBLICATION (with title of the papers/articles, list of authors along with journal title , year of publication, ISSN/ISBN No. and Impact factor) :

1. Alka Dwevedi, Kuldeep Sharma and **Yogesh Kumar Sharma**, “Cadamba: A Miraculous Tree having Enormous Pharmacological Implications” **Pharmacognosy Review**, Vol 8, Issue 18 (2015).(ISSN: 0973-7847) <http://phcogrev.com/>
2. Jitendra Singh, Malti and **Yogesh Kumar Sharma** “Synthesis and evaluation of novel hydroxamic acids as potent antibacterial and antifungal agents” **Global Journal of Chemistry**, Vol.1, Issue 1, Pages 16-20. <http://gpcpublishing.com/>
3. **Yogesh Kumar Sharma**, Krishan Kumar, Chandrashekhar Sharma and R. Nagarajan, “Citrate–Nitrate Derived Sr_{0.5}Ba_{0.5}Ta₂O₆ Tetragonal Tungsten Bronze Nanorods: Investigation of their Optical and Dielectric Properties”, **Advanced Materials Letters**, Volume 3, Issue 2, Pages 64-173, April 2012. DOI: 10.5185/amlett.2011.6278. (ISSN: 0976-3961). <http://amlett.org/>
4. N. Vijayan, G. Bhagavannarayana, K. K. Maurya, D. Haranath, B. Rathi, N. Balamurugan, **Yogesh Kumar Sharma**, and P. Ramasamy, “Effect of Annealing on Bridgman Grown Organic Scintillation Material of Trans-Stilbene”, **Materials Chemistry and Physics**, Volume 132, Issues 2–3, 15 February 2012, Pages 453-457. DOI:10.1016/j.matchemphys.2011.11.052 (ISSN: 0254-0584).
5. M. Trivedi, **Yogesh Kumar Sharma**, R. Nagarajan, N. P. Rath, “Synthetic, Spectral and Structural Study of Mono Bis(Pyridine)Dichloro Bis(Dimethyl Sulfoxide-S) Ruthenium(II) Complex, [RuCl₂(py)₂(dmsO-S)₂] and its Reactivity with Nitrogen Donor Bases in Polar and Non-Polar solvent”, **Journal of Molecular Structure**, 2010, 975 (1-3) 335-342. DOI: <http://dx.doi.org/10.1016/j.molstruc.2010.04.047>, (ISSN: 0022-2860).

6. **Yogesh Kumar Sharma**, M.Kharkwal, S.Uma, R. Nagarajan, “Synthesis and Characterization of Titanates of the Formula $ATiO_3$ (A= Mn, Fe, Co, Ni, Zn and Cd) by Wet Chemical Method”, **Polyhedron**, 2009, 28 (3) 579-585. DOI:<http://dx.doi.org/10.1016/j.poly.2008.11.056> (ISSN: 0277-5387).

The article was appeared at 10th position in top 25 hottest articles published in Polyhedron during January to March 2009 and has citation index-27

7. M. Singh, **Yogesh Kumar Sharma**, “Applications of Activation Energy and Transition State Theory for nucleos(t)ides and furanose Helix Puckering Interactions in Aqueous Medium from 288.15 to 298.15 K”, **Physics and Chemistry of Liquids**, 2006, 44(1)1-14. DOI: 10.1080/00319100500215284 (Print ISSN: 0031-9104, Online ISSN: 1029-0451).

This article was appeared in the top 10 list of the most downloaded articles from the volume of 2006.

8. M. Singh, **Yogesh Kumar Sharma**, “Volumetric and Viscometric Studies of nucleosides, Nucleotides and Furanose Sugar in Aqueous Medium from 288.15 to 298.15K” **Iran. J. Chem. Chem. Eng.** 2006, 25 (1) 53-66. DOI:http://www.sid.ir/en/VEWSSID/J_pdf/84320060108.pdf (ISSN: 10219986).
9. **Yogesh Kumar Sharma**, “Current Scene of Indian Science: A Review”, Journal of Science Society, PGMH, University of Delhi, 2010, 1, 28-30.

Manuscripts under revision

Electrical and Structural Characterization of Ilmenite $MnTiO_3$ Synthesized by Wet-Chemical Method, **Yogesh Kumar Sharma**, Chandrashekhar Sharma and Krishan Kumar, **Electronic Materials Letters** (2015).

Popular articles published / Articles published in newspapers etc.

1. **Yogesh Kumar Sharma**, “**Current Scene of Indian Science: A Review**”,
Journal of Science Society, PGMH, University of Delhi, **2010, 1, 28-30**.