

Dr. Kamod Singh Meena

Ph.D., M.Phil, M.Sc., B.Ed., PGDCA
Department of Chemistry



Total teaching experience (in years)-	12 Years
Institute of doctoral degree-	M.D.S. University, Ajmer
Research experience as Research Supervisor (in years)=	7 Years
Number of Research papers/Articles published-	35

Details of published article-

1. **K.S. Meena** and R. K. Gunsaria (2010) "Ground water analysis of Villages of Deoli Teshil (Tonk District) Rajasthan (India)" *Int. J. Chem .Sci.* **8(4)**, (2010), 2505-2518.
2. **K.S. Meena** and R. K. Gunsaria (2011) ; High Fluoride Content In Drinking Water In Villages of Deoli Teshil And Its Impact On Public Health" *Poll Res.* **30 (2)**,141-144,.
3. P. L. Meena, P. K. Jain, N. Kumar and **K. S. Meena** (2011) Study on the atomic term symbols for f^3 (M+3 free ion) configuration, *Int. J. Chem*, 9(3), 1364-1372, ISSN: 0972-768X.
4. P. L. Meena, P. K. Jain, N. Kumar, **K. S. Meena** and R. Goyal (2011) Study on the atomic term symbols for f^4 (M+3 free ion) configuration, *J. Chem. Bio. Phy. Sci.*, 1(2), 188-203, ISSN: 2249-1929.
5. N. Kumar, R. K. Khandelwal, P. L. Meena, **K. S. Meena**, T. K. Chaki and D. K. Mahla (2011) Rheological analysis on different oils use in tyre tread cap compound. *J.Chem.Bio.Phy.Sci.*, 1(1), 83- 87.
6. **K. S. Meena**, R. K. Gunsaria, N. Kumar, P. L. Meena, R. R. Meena and Kanta Meena; (2011) Nitrate contaminations in ground water of villages of Deoli Teshil (Tonk District) Rajasthan. *J.Chem.Bio.Phy.Sci.*, 1(1), 102-105,ISSN: 2249-1929.

7. N. Kumar, R. K. Khandelwal, P. L. Meena, **K. S. Meena**, T. K. Chaki, D. K. Mahla and S. Dasgupta (2011) Chemical Analysis on Different Oils Use in Tyre Tread Cap Compound. *Int. Journal of Chemical, Environ. And Pharm. Research*, 2(1), 12-19, ISSN: 0972-0626.
8. **K. S. Meena**, R. K. Gunsaria N. Kumar, P. L. Meena, R. R. Meena and Kanta Meena (2012) Fluoride Contaminated Ground Water and its Implications on Human Health in Deoli Tehsil (Tonk District) in Rajasthan, *J. Chem. Bio. Phy. Sci.* 1(2), 275-282, ISSN: 2249-1929.
9. P. L. Meena, P. K. Jain, N. Kumar and **K. S. Meena** (2012) A Comparative Study of the Atomic Term Symbols of f^3 and f^{11} Configuration. *Acta Chim. Pharm. Indica*, 2(1), 32-45, ISSN: 2277-288X
10. **K. S. Meena**, R. K. Gunsaria, Kanta Meena, N. Kumar and P. L. Meena (2012) The Problem of Hardness in Ground Water of Deoli Tehsil (Tonk District) Rajasthan, *J. Curr. Chem. Pharm. Sci.*: 2(1), 50-54 ISSN: 2277-2871
11. P. L. Meena, P. K. Jain, N. Kumar and **K. S. Meena** (2012) Calculation of Atomic Spectroscopic Terms for Nonequivalent Electrons of f^2d^1 Configuration and Assigning the Term Symbols, *Asian Journal of Chemistry*, 24(12), 5677-5679, ISSN: 0974-4169 (Impact Factor- 0.29)
12. N. Kumar, R. K. Khandelwal, **K. S. Meena** and P. L. Meena (2012) Comparison of HCPA Oil Tyre Tread Cap Compound With LPCA Oil, *Asian Journal of Chemistry*, 24(12), 5951-5952, ISSN: 0974-4169 (Impact Factor- 0.29)
13. **K. S. Meena**, R. K. Gunsaria, Kanta Meena. N. Kumar and P. L. Meena (2012) Ground Water Quality Assessment of Rural Areas of Deoli Tehsil, Tonk District, Rajasthan with Special Reference to Fluoride Analysis. *Asian Journal of Chemistry*, 24(12), 5906-5908, ISSN: 0974-4169 (Impact Factor- 0.29)
14. P. L. Meena, N. Kumar, **K. S. Meena** and A.S. Meena (2013) Studies on Atomic Spectroscopic Terms and Term Symbols of Non-equivalent Electrons of $d^2s^1p^1$ Configuration Using Russell- Saunders Coupling Scheme, *Research J. Chem. Sci.*, 3(4), 19-24, ISSN: 2231-606X.

15. P. L. Meena, N. Kumar, **K. S. Meena** and A.S. Meena (2013) Atomic Term Symbols (Terms) for Nonequivalent Electrons of $(n-1)f^3 nd^1$ Configuration via Russell- Saunders Coupling Scheme, *International Journal of Chemistry*, 34 (2), 1236-1242, ISSN: 2051-2732 (Impact Factor-1.438).
16. P. L. Meena, N. Kumar, A.S. Meena, **K. S. Meena** and P. K. Jain (2013) Calculation of Atomic Spectroscopic Terms for f^2 and f^{12} Orbital Configuration, Assigning the Term Symbols and A Comparative Study, *Bulgarian Chemical Communications*, 45(3), 388-393, ISSN: 0324-1130 (Impact Factor- 0.32)
17. P. L. Meena, N. Kumar, A.S. Meena and **K. S. Meena** (2014) Comparative Studies on Russell-Saunders Atomic Term Symbols (Terms) for Equivalent Electrons of nf^4 and nf^{10} Configurations, *Bulgarian Chemical Communications*, 46(1), 141-149, ISSN: 0324-1130 (Impact Factor- 0.32)
18. N. Kumar , P. L. Meena, A. S. Meena and **K. S. Meena** (2014) Physico- Mechanical Properties of sSBR Styrene 40%, Vinyl Content 46% Based Truck Tyre Tread Cap Compounds With Lpca and Hpca Oils, *Int. J. Adv. Res. Eng. & Tech. (IJARET)*, 5 (2), 121-127, ISSN: 0976-6480 (Impact Factor- 4.17)
19. P. L. Meena, N. Kumar, A.S. Meena and **K. S. Meena** (2015) Obtaining jj Coupled Spectroscopic Terms for Nonequivalent Electrons of $(n-1)f^2 nd^1$ Configuration, *Chem. Educator*, 20, 34-38, ISSN: 1430-4171
20. P. L. Meena, A. S. Meena, **K. S. Meena**, P. K. Jain and N. Kumar(2015) Comparative study of fluoride toxicity in ground water of hilly terrain area and Banas river basin area of eastern Bhilwara (Rajasthan, India) and its impact, causes and prevention, *Der Chemica Sinica, Pelagia Research Library*, 6(10), 19-24, ISSN: 0976-8505.
21. P. L. Meena, A.S. Meena and **K. S. Meena** (2015) A Simple Method for Obtaining Russell-Saunders Atomic Terms For Equivalent Electrons of nf^6 Configuration, *The Journal of Science and Technology (JOST)*, 4(1), 23-27, ISSN: 2319-2607.
22. P. L. Meena¹, N. Kumar, A. S. Meena and **K. S. Meena** (2015) Assessment of Water Quality Using Physico-Chemical of Ground Water of Bhilwara city and Periphery Villages

(Rajasthan) International Archive of Applied Sciences and Technology Int. Arch. App. Sci. Technol; Vol 6 [1]: 17-21 ISSN 2277- 15.

23. P. L. Meena, A. S. Meena, **K. S. Meena** and P. K. Jain (2016) Fluoride toxicity in ground water of Banas river basin area of Jahazpur Tehsil (Bhilwara, Rajasthan, India) and its impact, causes and prevention, **Advances in Water Science and Technology (AWST)**, 3(1), 1-11, ISSN:2476-4116.
24. P. L. Meena, P. K. Jain and **K. S. Meena** (2016) Assessment of Ground Water Quality and its Suitability for Drinking and Domestic Uses by Using WQI and Statistical Analysis in River Basin Area in Jahzpur Tehsil, Bhilwara District (Rajasthan, India), **Int. J. Curr. Microbiol. App. Sci. (IJCMAS)**, 5(3), 415-427, ISSN:2319-7706 .
25. P. L. Meena and **K. S. Meena** (2016) Nitrate Contamination in Ground Water Sources of Jahazpur Tehsil, North West bIndia:Causes, Effects and Prevention Avicenna Journals Advances in Water Science and Technology 4(1), 11-18.
26. P.L. Meena, A.S. Meena, **K.S. Meena** and N. Kumar (2016) Determination of Hydro-Chemical Characteristics of Ground Water for Assessment of Quality for Drinking and other Domestic Purposes in North East Bhilwara, Rajasthan, India, European Journal of Advances in Engineering and Technology, 3(9), 20-27.
27. Nitin Kumar, **K. S. Meena** and R. K. Khandelwal (2017) Comparative study of curing properties ssbr based side wall compound with LPCA and HPCA oils, European Journal of Biomedical and Pharmaceutical sciences, 4 (2), XX-XX,
28. P. R. Meena, **K. S. Meena** and R. K. Khandelwal (2017) Study of Semiconductor Photocatalyzed Oxidation of Mandelic Acid Used In Cosmetic Pharmaceutical Industries, **Research Journal of Chemical and Environmental Sciences** 4 [3] : 38-46.
29. **K. S. Meena**, Kanta Meena and R. K. Gunsaria (2017) Assessment of Groundwater Quality of Deoli Tehsil (Tonk District, Rajasthan) with Special Emphasis on Nitrate Analysis Research & Reviews: Journal of Ecology, 6 (3) , 1-5
30. **K. S. Meena**, Kanta Meena and R. K. Gunsaria (2017) Skeletal Fluorosis in Populace of Deoli Tehsil (Tonk District), Rajasthan, India. *Journal of Water Pollution & Purification Research.* ; 4(3): 24–28

31. **K. S. Meena** and Kanta Meena (2017) Photochemical Bleaching of Textile Waste Water of Bhilwara (Rajasthan) by Photo Fenton Reagent. *Journal of Modern Chemistry & Chemical Technology*. 2017; 8(3): 33–36.
32. **K.S. Meena** and Anjali Dadheech (2019) Photocatalytic degradation of textile dyes Methylene blue and Reactive red 152 BY ZNO, **Poll Res. 38 (1) : 234-238.**
33. Anjali Dadheech and **K.S. Meena (2020)** Green Synthesis and Characterization of Silver nanocatalyst by using Coriandrum sativum L., **Poll Res. 39 (3) : 237-241.**
34. K. S. Meena and Kanta Meena (2020) Photocatalytic Decolorization of Textile dye Methylene blue by photocatalyst WO_3 and SnO_2 , *Research Journal of Chemical Sciences*, **10 (3), 1-10**
35. K. S. Meena and Kanta Meena (2021) Characteristics of Textile Waste water of Bhilwara (Rajasthan) and its photocatalytic Bleaching with SnO_2 catalyst, *Holistic Approach Environ.* **11(1), 13 – 18.**

(B) No. of Books published- NIL

(C) No. of book chapters/papers in proceedings- 9

Details of published article-

1. **K.S. Meena** and R.K.Gunsaria (2010) “Quality Status of Potable Water of Villages of Deoli Teshil, Tonk District, Rajasthan Proceeding of National Conference on “Emerging views in Advanced Chemistry” (EVIAC- 2010) , Sponsored by UGC, New Delhi. Organized By Department of Chemistry, M.L.V. Govt. College, Bhilwara (Rajasthan) pp-35-38.
2. **K. S. Meena** and Kanta Meena; (2012) Causes Effect and Removal of High Fluoride in Drinking Water of Deoli Tehsil, Tonk District (Rajasthan). *Proceedings Nat. Conf. organized by Department of Botany, M.L.V. Govt. Bhilwara (Raj.)*, 216-221,. ISBN: 978-81-7233-843-5.
3. **K.S. Meena**, R.K. Gunsaria and Kanta Meena (2013) Fluoride Toxicity in Populace of Deoli Tehsil of Tonk Distri (Rajasthan) and its effect on Health. In D.R. Khanna *et al.* (

Eds.) Climate Change Effects on Agriculture and Economy. **Biotech Books**, New Delhi. 275-283. ISBN 978-8171641499.

4. **K. S. Meena** and Kanta Meena (2014) Textile Industrial Waste water of Bhilwara (Rajasthan) and its treatment through Nanotechnology, *Proceeding of National Conference on Recent Advance in Materials Science and Technology*, Organized by Department of Physics, M.L.V. Govt. College, Bhilwara, (Raj.), Sponsored by UGC, New Delhi.99-102, ISBN 978-81-930586-02.
5. P. L. Meena, A. S. Meena, **K. S. Meena** and P. K. Jain (2016) Ground Water Quality Status with Special Emphasis to Fluoride Concentration in Hilly Terrain Area of Jahazpur, District Bhilwara, Rajasthan, India and its Impact on Human Health, Proceedings of National Seminar on Recent Trends in Chemical Sciences: Global Opportunities and Challenges-2016, organized by Department of Chemistry, S.G.G. Govt. College, Banswara (Raj.), 122-127 (ISBN-978-93-5254-671-8).
6. P.L. Meena, A.S. Meena, **K.S. Meena** and N. Kumar (2016) Assessment of Hydro-chemical Characteristics of groundwater for suitability of irrigational purpose in Bhilwara, Rajasthan , India, Proceeding Int. Conference, on Recent Trends in Chemical Sciences, 28-29, Nov. 2016, 9-13.
7. **K.S. Meena**, Kanta Meena and R.K. Gunsariya (2016) Dental Fluorosis in rural area of Deoli Tehsil (Tonk District) Rajasthan, India, Proceeding Int. Conference, on Recent Trends in Chemical Sciences, 28-29, Nov. 2016, 98- 102. ISSN978-93-5265-436-9
8. P. L. Meena, and **K. S. Meena** (2017) Fluoride in ground water of Rajasthan India A challenging Toxicological and geo environmental issue A review, Seminar Proceeding Abhyutthanam, 1-5.
9. **K. S. Meena** and Kanta Meena (2020) Photochemical bleaching of Textile dye direct black 155 and reactive red 152 by photocatalyst SnO₂, *Ecology Research Bhumi Publishing, India (Volume – I) (ISBN: 978-93-88901-19-2), 48-55*

Conference attended-	1.International-	15
	2. National -	16

Research projects handled- Completed- 03

Ongoing- Nil

Member of BOS, Academic council- 1. Member of COC Applied Chemistry, MDS
University, Ajmer

Other achievements-

1. NSS State Award 2018-19
2. Life member of The International Society for Environmental Information Sciences, Canada
3. Life member of The Association of Chemistry Teachers
4. Life Member of Indian Council of Chemists
5. Life Member of The International Society for Fluoride Research Inc.
6. Life Member of Indian Association of Nano-science and Nanotechnology