

Dr.Abha Shukla

Designation: Assistant Professor

Subject : Chemistry

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EDUCATION

- **Ph.D. 1992, Chemistry, Harcourt Butler Technological Institute Kanpur India**
- **Mentor: Prof.D.K. Singh Thesis Title :“ Chromatographic separation and Spectrophotometric determinationsof amino and phenolic compounds.”**
- **PGDCA 1991, I.D.P., Delhi**
- **M.Sc. 1987, Organic Chemistry, Rohilkhand University, Bareilly India.**

RESEARCH INTERESTS

- EnvironmentalChemistry
- WaterPollution
- synthetic organicchemistry
- MedicinalPlants

Ph.D. STUDENTS

- No. of Ph.D. Students at present:03
- No. of Ph.D.StudentsAwarded:06

TEACHING EXPERIENCE

- Since Oct. 2006 (P.G.)
- **Subject Area:** Organic Chemistry, Computer Applications in Chemistry, Ayurvedic Chemistry and Water Analysis.

PROFESSIONAL EXPERIENCE

- Chief Chemist/R&D Incharge, in Ruchi Organic Pvt. Ltd. Kanpur from 1992 to 1997
- Assistant Professor, Chinmaya Degree College from Aug.1997 to Feb.1999
- Assistant Professor, Gurukul Kangri University (Adhoc) from Sep. 1999 to 17 oct.2006
- Assistant Professor, Gurukul Kangri University (permanent) from 18oct. 2006 to tilldate.

LIFE MEMBERSHIP

- Vidyarthi Vigyan Manthen.
- Indian Science congress Association.
- Indian Chemical Society.
- Indian Association of Chemical Teacher.

PUBLICATIONS

- Book Chapter:02
- Research Paper published in International /National Journals:45
- Papers presented In International / National conferences :31

List of Publications

1. Shukla A.,ChoudharyA.,KaurA.,ShuklaR.K.,**Isolation and identification of two triterpenoids from ethyl acetate extract of bark of *Boehmeria rugulosa***, Journal of pharmacy and technology 14(3),2021scopus.
2. Shukla A.,PokhriyalP.,ShuklaR.K.,**Antioxidant Potentials Of Successive Green Solvent Extract From The Unexplored *Ficus subincisa***Journal of Advanced applied scientific Research 3(1),25-32,2021, [ISSN :2454-3225] web of science.
3. Shukla R.K.,NandanK.,ShuklaA.,KaurA.,**Nutritional importance and phytochemical investigation of *Bombax ceiba*linn.** Journal Plant Archives,20(AIAAS)100-103, 2020.ISSN 0972-5210
4. Shukla R.K.,NandanK.,ShuklaA.,KaurA.,**Phytochemical analysis and Nutritive Valueof *Bombax ceiba*linn.(petals)** Journal Plant Archives ,20(1),1201-1206,2020 Scopus
5. ShuklaA.,KaurA.,ShuklaR.K.,**AcomparativestudyofinvitroAntioxidantPotential, Photoprotective Screening of *Ehretia acuminata R. Br.*Leaves**,Indian Drugs,56(09) (2019) 30-36.ISSN 0019-462x
6. Adhikari A.,TiwariA.k.,ShuklaA.,MishraA.K.,Datta A., Synthesis and Preclinical Evaluation of Radioligand, **99mTc-DO3A-Et-RPAR for Imaging NRP-1 Specific Tumor** , ChemistrySelect,4(44)(2019)12950-12954 . ISSN23656549.
7. Shukla A.; choudhary A. and Shukla R.K., **Studies on physico-chemical characteristics, heavy metals and minerals components of leaves of *Boehmeria rugulosa***Research journal of pharmacy & Technology, 12(5) 2093-97, 2019.Scopus.

- 8 .Shukla A., Kaur A. , Shukla R.K. and Choudhary A.,**Comparative Evaluation of Antioxidant Capacity,Total Flavonoid and Phenolic content of Ehretia acuminata R. Br.fruit**,Research J. pharmacy&Technology,12(4)1811-1814,2019.Scopus
9. Shukla A., Kaur A. and Shukla R.K.,**Comparative Evaluation Of Abts, Dpph, Frap, Nitric Oxide Assays For Antioxidant Potential, Phenolic & Flavonoid Content Of Ehretia acuminata R. Br. Bark**International Research Journal Of Pharmacy, 9 (12), 100-104,2018.Scopus.
10. Shukla A.,Kaur A.,**A Systematic Review of Traditional Uses Bioactive Phytoconstituents of Genus Ehretia**Asian Journal of Pharmaceutical and Clinical Research,11(06)(2018),88-100 .ISSN2455-3891
11. Shukla A.andChoudharyA.,**Evaluation of in vitro antidiabetic and anti-inflammatory activities of leaves extract of boehmeria rugulosa'**, Asian journal of pharmaceutical & clinical research,9(11),200-203,2018.Scopus.
12. Shukla A.,VatsS.,Shukla R.K.,Painuly D.,PorvalA.,SinghJ.,**Evaluation of in vitro antimicrobial activity, qualitative phytochemical, proximate composition of leaf and stem of Reinwardtia indica Dumort: A comparative study**,Indian Journal of Natural Products and Resources, 8(3) (2017)248-253.ISSN0976-0504
13. Adhikari A., Kumari N., Adhikari M., Kumar N., Tiwari AK., Shukla A., Mishra A.K, DattaA.,“**Zinc Complex of Tryptophan Appended 1,4,7,10-Tetraazacyclododecane as Potential Anticancer Agent: Synthesis and Evaluation**” *Bioorganic & Medicinal Chemistry* 25(13)(2017),3483-3490.[ISSN : 0968-0896] I.F.:2.92 [ELSEVIER,SCOPUS INDEXED].
- 14 .TyagiR.,ShuklaA.,ShuklaR.K.,Vats S., Tyagi C., Choudhary A., “**Chemical Characterization and Pharmacological Evaluation of Essential Oil from Leaves of Casearia tomentosa**”,*International Journal of Pharmacognosy and Phytochemical Research*,9(1) (2017),141-149 [ISSN:0975-4873] I.F.:0.90 [SCOPUS INDEXED].
15. TyagiR.,Shukla A., Shukla R.K.“**Phytochemical Screening And Pharmacological Evaluation Of Different Extracts Of Plant Casearia Tomentosa Leaves**” ,*International Journal of Pharmacy and Pharmaceutical Sciences*9(4)(2017),166-171[ISSN- 0975-1491]I.F.:0.91 [SCOPUS INDEXED].
16. Shukla A., Vats S., Shukla R.K.,Painuly D., Porval A. Tyagi R., “**Phytochemical Evaluation, Proximate Analysis and Biological Activity of Reinwardtia indica Dum. Leaves**”,*International Journal of Pharmacognosy and Phytochemical Research*,8(5)(2016),750-755[ISSN:0975-4873]I.F.:0.90[SCOPUS INDEXED].
17. Shukla A., Tyagi R., Vats S. and Shukla R.K., “**Total phenolic content, antioxidant activity and phytochemical screening of hydroalcoholic extract of Casearia tomentosa leaves**”, *Journal of Chemical and Pharmaceutical Research*,8(1) (2016), 136-141 [ISSN: 0975-7384[I.F.:0.90] SCOPUS INDEXED.
18. Shukla A., TyagiR.,and Shukla R.K., “**Phytochemical screening and antioxidant activity of the leaves of plant Casearia tomentosa**”,*International Journal for Environmental Rehabilitation and Conservation*, 6(2) (2015),141-147[ISSN:0975 -6272]
19. Shukla A., Vats S. And Shukla R.K., “**Phytochemical Screening, Proximate Analysis and Antioxidant Activity of Dracaena reflexa Lam. Leaves**”,*Indian Journal of Pharmaceutical Sciences*,77(5) (2015) 640-644 [ISSN:0250-474X,[I.F.:0.479] [SCOPUS INDEXED] .
20. Shukla R.K.,Painuly D.,PorvalA.,ShuklaA.,“**Physical Evaluation, Proximate Analysis And Antimicrobial Activity Of Morus Nigra Seeds**” Int J Pharm PharmSci, 7(1) (2015), 191-197. ISSN-0975-1491, I,F-0.57.SCOPUS INDEXED.
21. Shukla A.,Adhikari A., Mishra A.K., “**Preliminary Evaluation Of An Anthraquinone**

Conjugated Dota Derivative As Spect Agent” Int J Pharm PharmSci, 7(4) (2015), 85-89. ISSN - 0975-1491. I.F- 0.57. SCOPUSINDEXED.

22. Shukla A., Kumar R., Tyagi D.S., “**Synthetic and Pharmacological Evaluation of some 4-Quinazolinone derivatives**” Int.J. ChemTech Res.,6(7)2014, 3847-3850. ISSN- 0974-4290, I.F- 0.57,SCOPUS.

23. ShuklaA.VatsS.,ShuklaR.K.,“**Proximate Composition, Nutritive Value and Evaluation of antioxidant Potential of stem of Dracaena Reflexa Lam**” Int J Pharm Pharm Sci., 6(11) (2014)360-364. ISSN- 0975-1491. I.F- 0.57, SCOPUSINDEXED.

24. Shukla A., ShuklaR.K.,Singh J., Painuly D., Porval A.,” **Chemical Characterization, Total Phenolics and Biological activitiy of syzygiumcumini**”*Annals of Bio-Agri Research* 19(40)(2014),680-682. ISSN-0971-9660, I.F. 0.11. SCOPUSINDEXED.

25. Shukla R.K., Painuly D., Porval A., Shukla A. “**In vitro biological activity and total phenolic content of Morusnigraseeds**” Int. J. Chem. Pharm. Res., 6(11)(2014), 200-210. ISSN- 0975-7384, I.- 0.35, SCOPUSINDEXED.

.26.ShuklaA.,Adhikari A., Datta A., AdhikariM.,Chauhan K.,ChuttaniK.,SawS.,Mishra A.K.,”**Preclinical evaluation of Do3A-Act. AQ: A Polyazamacrocyclic Monomeric AnthraquinoneDerivativs as a Theranosticagent**”,*Molecular Pharmaceutics*, 11, 445-456, 2014. ISSN- 1543-8392. I.F. 4.57. ACS.Scopus

27. Kumar A.,Shukla A.,“**GC/MS Analysis of essential oil isolated from the roots of CymbopogenWinterianusJowitt**”,*JournalofChemistryandChemicalScience*,4(1),35-41,2014.

28.Shukla R.K, Porval A., Shukla A., Painuly D., Singh J., Kumar V., Bhutiani R. and VatsS.“**Phytochemical screening, total phenolic content determination and antimicrobial activity of Ocimumgratissimumroot**”,*Journal of Chemical and Pharmaceutical Recsearh*,7(8) (2015), 1052-1056 [ISSN : 0975-7384 CODEN(USA) : JCPRC5] I.F.0.9 , [SCOPUSINDEXED].

29.Shukla R.K., Painuly D., Porval A., Shukla A., “**Proximate Analysis, Nutritinal Value, phytochemicalevaluationandbiologicalActivityofLitchichinensisSonn.Leaves**”,*Journalof Herbs, Spice & Medicinal plants*, 20, 196-208, 2014. ISSN- 0975-1491, I.F. 0.57. SCOPUS.

30.Kumar R., Shukla A., TyagiD.S.,“**Synthesis of Bio Active Azetidinones of 4-phenyl-1,3-thiazol-2-amine**”,*International Journal of Scientific and Research Publications*”, *Chemical Science Transactions*, 2013. ISSN-2278-3458.

31.Shukla A.,VatsS.,“ShuklaR.K.,“**Preliminary Phytochemical, Antibacterial and Nitric oxide radical scavenging activity of Reinwardtiaindicaleaves extract** ”,*InternationalJournal of Pharma Tech Research*, 5(4), 1670-1678,(2013). ISSN- 0975-1491, I.F. 0.57,SCOPUS.

32.Shukla R.K., Painuly D., nShukla A., PorvalA.,“**Phytochemical investigation and antimicrobial screening of extrects of Litchi chinensis leaves from Dehradun region, India** ”,*Environment Conservation Journals*,13(1&2),7-10,2012. ISSN- 0972-3099. I.F.0.58.

33.Shukla R.K., PorvalA. ,Shukla A.,PainulyD.,“**Preliminary investigation and antimicrobial screening of successive extracts of phytoconstituents from Cassia fistula of Haridwar region, India** ” *Environment Conservation Journal* ,13(1&2) ,57-62, 2012. ISSN- 0972-3099. I.F.0.58.

34.Shukla R.K., Painuly D., Porval A., Shukla A., “**Proximate Analysis, Nutritive Value, Total Phenolic Content and Antioxidant Activity of Litchi chinensis**”,*Natural Products An indian Journal(NPAIJ)*,8(9),361-369,2012.ISSN-0974-7508

35.Shukla R.K., Porval A., Painuly D., Shukla A., “**Physico-Chemical Characteristics, Proximate analysis and Total Phenolic content of Cassia fistulabark**”,*Natural Products An*

36. Shukla A., Kumar R., Tyagi D.S., "An Efficient Synthesis of Bio Active Azetidinones and Thiazolidinones of 3-methyl-1-phenyl-1-hprazol-5-ol", *International Journal of Scientific and Research Publications*, 2(6), June 2012. ISSN-2250-3153 I.F. 1.22. SCOPUS.
37. Shukla A., Shukla R.K., "Chemical, Antimicrobial and antioxidant studies of myristicafragrans constituents and applications of spilanthesacmella", *Journal of chemistry in Asia*, 1, 1-7, 2011. ISSN-0975-9468.
38. Shukla A., Kumar R., Tyagi D.S., "Synthesis and antimicrobial studies of Thiazolidinones", *Journal of chemistry in Asia*, 2(2&3), 130-136, 2011. ISSN-0975-9468.
39. Shukla A., Shukla R.K., "Studies of chemical constituents and applications of spilanthesacmella", *Journal of chemistry in Asia*, 4, 227-233, 2010. ISSN-0975-9468.
40. Indrayan AK, Shukla RK, Shukla A. "Medicinal Plant Trade in Dehradun, Saharanpur and Haridwar- A Study" J. MAPs, 22, 2000 ISSN: 1744-5647 Taylor & Francis.
41. Singh DK and Mishra A., "Removal of phenolic compounds from water by using chemically treated saw dust". *Indian journal of environmental health*; 32(4):345-51, 1990.
42. Singh DK and Mishra A., "Removal of organic Pollutants by the use of Iron(III)Hydroxide-Loaded Marble" *Separation science and technology* 28(10) 1923-1931, 1993 Taylor and Francis Publication.
43. Singh DK and Mishra A., "Chromatographic Separation of some Phenols by new adsorbent" 15(2) 369-380, 1992, Taylor and Francis Publication.
44. Singh DK and Mishra A., "Spectrophotometric Determination of aromatic amines with 1,2-Naphthaquinone- 4-sulfonic acid" *Himalayan Chemical and Pharmaceutical Bulletin(HCPB)* 7, 11-13, 1990.
45. Singh DK, MISHRA A., "Thin layer chromatography of aromatic amines on silica gel G impregnated with ammonium cerium (IV) nitrate" *JPc. Journal of planar chromatography*, 5 (4), 284-286, 1992 -Springer.