



List of Paper Publication

Department of Science & Humanities

Sl. No	Title Of Paper	Authors
WOS/SCI Publications		
1	Possibilities of Prediction of COVID 19 using K-Nearest Neighbour Algorithm, IEEE Explore, Dec 2022	Dr.Hari Krishna S
2	Cost effective method of removal of fluoride from waste water," , Nature Environment and pollution control Journal April 2008 Vol 11 No.3.pp64-67, ISSN: 09726268	Abida Begum, HariKrishna S,Irfanulla Khan
3	Nutrients and Heavy metal profile of Madivala Lake Bangalore South, Nature Environment and pollution technology journal vol.8 No 1.,2009,pp171-178, ISSN: 09726268	Abida Begum,HariKrishna S, Irfanulla Khan
Scopus Publications		
1	Al6061-Basalt & Zr Hybrid Composite Material Corrosion Resistance in Acid Media, IJIRIS, Vol 9, Issue03,ISSN-2349-7017, June-2023 Corrosion Resistance of Al6061-Basalt Natural filler and Zircon Hybrid Composite Material in Acid media	Dr.Hari Krishna S Dr.Hari Krishna S

	Materials Today, Jan 2021	
2	“Inhibition of Corrosion of mild steel in 2M HCl by Determination of optimal experimental parameters using Factorial Design - A preliminary study” in International Journal of ChemTech Research, Vol.10No.4,pp397-403,2017	Dr.HariKrishnaS,Dr.AbidaBegum, IrfanUlla Khan
3	“Factorial Design Application For The Protection Of Mild Steel From Corrosive Medium Using Castor Seed Oil As Inhibitor” International Journal of ChemTech Research, Vol.6, No.4, pp 2385-2390, July-Aug 2014	HariKrishnaS,Dr.AbidaBegum
4	“Antibacterial Potential and Corrosion Inhibition Efficiency Of EmblicaOfficinalis (Amla)” International Journal of ChemTech Research, Vol.6, No.2, pp910-915 ,Apr-Jun 2014	Dr.HariKrishna S,Dr.AbidaBegum
5	“Performance of Fenugreek (Trigonella foenumgraecum) Seed Extract As Inhibitor On Mild Steel Under CorrosiveMedium-A StatisticalView” International Journal Of ChemTech Research,Vol.5, No.4, pp 1829-1834, April-June2013	Dr.HariKrishna S, Dr.AbidaBegum
6	“Adsorption and Inhibitive Properties of Coffee seed(Coffeaarabica)Extract on mild Steel in Hydrochloric acid” International Journal of ChemTech Research Vol.4,No.3,pp991-995,July-Sept2012	Dr.HariKrishna S,Dr.AbidaBegum
7	Bioaccumulation Of Trace Metals By Aquatic Plants, International Journal of ChemTech Research, Vol 2,No.1,	Abida Begum,HariKrishna.S

	Jan- Mar, pp250-254	
8	Monitoring Air Pollution Using Lichens Species in South Bangalore,Karnataka,International Journal of ChemTechResearch,Vol 2,No.1, Jan-Mar, pp255-260	Abida Begum,HariKrishna.S
9	Phytoremediation study of Aquatic Macrophytes collected from five lakes of Bangalore, Karnataka International Journal of ChemTech Research Vol.2, No.1 Jan-Mar 2010,pp250-254	Abida Begum,S. HariKrishna
10	A Survey of persistantorganochlorine pesticides residues in some Streams of the Cauvery River,Karnataka, India, International Journal of ChemTech Research, Vol.1, No.2, pp 237-244, April-June 2009	Abida Begum,S. HariKrishna,Irfanulla Khan
11	Analysis of Heavy metals in Water, Sediments and Fish samples of Madivala Lakes of Bangalore, Karnataka,International Journal of ChemTech Research, Vol.1, No.2, April-June 2009,pp245-249	Abida Begum,S. HariKrishna
12	Analysis of Flouride level in water and fish species of Sankey, BellandurandMadivala Lakes of Bangalore,Rasayan Journal of Chemistry ,Vol 1,No.3,(2008)pp572-580	Abida Begum,S. HariKrishna, Irfanulla Khan
13	Analysis of Flouride level in water and fish species of Sankey,BellandurandMadivala Lakes of Bangalore Rasayan J. of Chem. Vol.1, No.4 2008,pp596-601	Abida Begum,S. HariKrishna, Irfanulla Khan
14	Environmental fluoride level in AnekalTaluk of Bangalore	Abida Begum,S. HariKrishna, Irfanulla Khan

	District, Rasayan J. of Chem. Vol.1, No.4 2008, 774-781	
15	Nutrients & Heavy Metal Profile of Madivala Lake, Bangalore South, Karnataka. Rasayan J. of Chem. Vol.1, No.3, 2008, 572-580	Abida Begum, S. Hari Krishna, Irfanulla Khan
UGC Journals Publications		
1	"Corrosion & Wear Resistance of Al6061 Basalt & Zirconium Oxide Composite Material In Acid Media," in JETMR, May 2019, Vol 6, Issue 5, ISSN :2349-5162	Dr. Hari Krishna S
2	"Phytochemical Investigation And Study On Corrosion Inhibition Properties Of Pongamia Pinnata (L) Pierre Leaf Extract" Elixir International Journal, Elixir Corrosion 62(2013), pg 17908-17911	Dr. Hari Krishna S, Dr. Abida Begum
3	Evaluation of Corrosion inhibitory properties of Naphtho[2,1-b]furan derivatives on mild steel in sulphuric acid, P559-65 CODEN – JESIA 61 [2-3] 46 – 94, 2012 ISSN:0013-466X, Vol.No-61, No.2-3, April-July 2012	Abida Begum, Ramaiah. M, S. Hari Krishna, Irfanulla Khan and Veenak
4	Influence of sewage sludge compost on the cultivation of Maize (Zea mays L.) www.eco-web.co March 2011	Abida Begum, Hari Krishna. S
5	Pathogens and Heavy metals concentration in green leafy vegetables International Society Of Environmental Botanist, Environews, March 2010	Abida Begum, S. Hari Krishna
6	Evaluation of Some Tree Species to Absorb Air pollutants in three	Abida Begum, S. Hari Krishna

	industrial locations of South Bengaluru, E-Journal of chemistry , vol. 7, No.S1,2010, S151 –S156	
7	Pathogens and Heavy metals concentration in green leafy vegetables, E-Journal of chemistry , vol. 7, No.S1,2010, S552 –S558	Abida Begum,S. HariKrishna
8	Analysis of Heavy metals concentration in Soil and Lichens from Various localities of Hosur Road, E-Journal of Chemistry 2009,6(1),pp13-12	Abida Begum, Ramaiah.M ,S.Harikrishna, Irfanulla Khan and VeenaK
9	Heavy Metal Pollution and Chemical Profile of Cauvery River water, E-Journal of Chemistry 2009,6(1),pp47-52	Abida Begum, Ramaiah.M,,S.Harikrishna,Irfanulla Khan,and VeenaK
10	Enhancement of the Inhibitor Efficiency of Atropine Methochloride in Corrosion Control of Mild Steel in Sulphuric Acid, E-Jchem, vol 5, No. 4 Oct. 2008,pp774-781	Abida Begum,S. HariKrishna,Irfanulla Khan and Veena K
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WOS/SCI Publications

1	Room Temperature Direct Reductive Amination of Carbonyl compounds by L-ascorbic Acid- NaBH ₄ in Water, Chemistry Select, Wiley 2022	Dr.Suvodip Mukherjee
2	Onion extract catalyzed novel synthesis of pyrazine, Asian Journal of Green Chemistry 2021	Dr.Suvodip Mukherjee
3	One Pot Reductive Synthesis of Benzimidazole Derivatives from 2-	Dr.Suvodip Mukherjee

	Nitro Aniline and Aromatic Aldehydes Using Zn/NaHSO ₃ in Water Medium, Progress in Chemical and Biochemical Research ,2020	
4	Ascorbic Acid as an Efficient Organocatalyst for the Synthesis of 2-Substituted-2,3-dihydroquinazolin-4(1H)-one and 2-Substituted Quinazolin-4(3H)-one in Water, Chemistry Select, Wiley ,2020	Dr.Suvodip Mukherjee
5	Ethyl lactate: An efficient green mediator for transition metal free synthesis of symmetric and unsymmetric Azobenzenes, Chemistry Select, Wiley ,2020	Dr.Suvodip Mukherjee
6	A novel approach towards chemoselective reduction of nitro to amine,Tetrahedron Letters ,2019	Dr.Suvodip Mukherjee
7	One pot three-component synthesis of 5-substituted 1H-tetrazole from aldehyde, Tetrahedron Letters ,2018	Dr.Suvodip Mukherjee

Scopus Publications

1	Organo-cu (ii) catalyst: an efficient synthesis of substituted n-heterocycles via double condensation/tandem oxidation-cyclization/elimination-cyclization reactions from easily accessible precursors, Rasayan Journal of Chemistry 2021	Dr. Suvodip Mukherjee
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Scopus Publications

1	Hall and induced magnetic field effects on MHD buoyancy driven flow of Walter' s B fluid over a magnetized convectively heated inclined surface, International Journal of Ambient Energy. , ISSN 2162-8246	Dr. Vishwanath S
2	Impacts of periodic wall conditions to the hydromagnetic convective flow of viscoelastic fluid through a vertical channel with Hall current and induced magnetic field, Heat transfer, ISSN 2688-4542	J. K. Singh, G. S. Seth and VishwanathSavanur
3	Steady MHD mixed convection flow of a viscoelastic fluid over a magnetized convectively heated vertical surface with Hall current and induced magnetic field effects, Heat transfer, ISSN 2688-4542	J. K. Singh, Suneetha K and VishwanathSavanur
4	Hall and ion-slip effects on MHD free convective flow of a viscoelastic fluid through porous regime in an inclined channel with moving magnetic field,Kragujevac Journal of Science, ISSN 2466-5509	J. K. Singh and S. Vishwanath
5	Hall and induced magnetic field effects on convective flow of viscoelastic fluid within an inclined channel with periodic surface conditions, International Journal of Thermofluid Science and Technology, ISSN 2706-9885	J. K. Singh and S. Vishwanath
6	Hydromagnetic free convective flow of Walter's-B fluid over a vertical surface with time varying surface conditions, World Journal of Engineering, ISSN 1708-5284	J. K. Singh, G. S. Seth, S. Ghousia Begum and S. Vishwanath
7	Significance of Hall effect on heat and	J. K. Singh, Suneetha K and VishwanathSavanur

	mass transport of titanium alloy-water-based nanofluid flow past a vertical surface with IMF effect, , Heat transfer, ISSN 2688-4542	
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1	Stability of Additive Non –Additive Functional equation, Volume7, Issue11,2020 ISSN 2515-8260	M.Pandikani, K.Alagesan
UGC Journals Publications		
1	New type of functional equation, vol.s,No.1,227-229,2021	M.Pandikani,K.Alagesan
2	Hyers-Ulam –Rassias Stability of a functional equation in intuitionistic Fuzzy normed spaces, Volume 8, Issue 8,2020 ISSN No: 0776-3808	M.Pandikani, K.Alagesan
3	Stability results in Intuitionistic Fuzzy normed spaces for a quadratic functional equations,volume 9,Issue 8 2020 ISSN NO :1524-2560	M.Pandikani, K.Alagesan
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UGC Journals Publications		
1	Corrosion & Wear Resistance OfAL6061-Basalt And Zircon Hybrid Composite Material In Acid Media , JETIR May 2019, 6 (Issue 5,), (ISSN-2349-5162)	Dr HariKrishna,Dr.Anilkumar, Dr.Shailashree.S,
2	Kinetics and Mechanism of Oxidation of EDTA by NBS in the presence of acid and alkaline medium – A Comparative StudyA Comparative study of palladium (ii) catalyzed oxidation of L- leucine and L- Iso-leucine by alkaline permanganate- A	Adarsha.J.R, Shailashree.S, Surekha.M, Heney.T.P J.

	kinetic and mechanistic approach SSSM Adarsha J R J. Innovative research in Science and Engineering 3 (03), 2455-0663	
3	Kinetics mechanism and catalysed oxidation of EDTA in Sodium Dodecyl Sulfate: A Kinetic and Mechanistic Study” HPTSTN, J. Electro Chem. Soc. India 61 (01), 40-44	Shailasree S, Adarsha J R, Surekha M,
4	Kinetic and Mechanistic Study of Palladium (II) catalyzed oxidation, Deamination and Decarboxylation of Glycine by Alkaline PermanganateHPTS M Adarsha J R,Sailasree S, J. Advanced Research 10 (5(3)), 23, J. Advanced Research 10 (5(3)), 23	M Adarsha J R,Sailasree S, Surekha M,
5	A Comparitive study of palladium (ii) catalyzed oxidation of L- leucine and L- Iso- leucine by alkaline permanganate- A kinetic and mechanistic approach, SSSM, J. Advanced Research 10 (5(3)), 23	Adarsha J R,Sailasree S, Surekha M,
6	Kinetics and Mechanism of Oxidation of EDTA by NBS in the presence of acid and alkaline medium – A Comparative Study. I.J.C.R.D, 6 (09), 2321-2241	Shailasree S, Adarsha J R, Heney P T,
7	“Os (VIII) Catalysed Oxidation of EDTA by NBS in aqueous alkaline medium – A Kinetic and Mechanicstic Study.” Electro Chem. Soc. India 61, 40-44	Shailasree S,Adarsha J R, J. Heney P T, Surekha M,
8	“Oxidative Cleavage of EDTA with N- Bromophthalimide in the presence of Sodium Dodecyl Sulfate: A Kinetic and Mechanistic Study” J. Electro Chem. Soc. India 66 (Jan – Apr 2017 (2017)),	“Oxidative Cleavage of EDTA with N-Bromophthalimide in the presence of Sodium Dodecyl Sulfate: A Kinetic and Mechanistic Study” J. Electro Chem. Soc. India 66 (Jan – Apr 2017 (2017)), 27-35 Shailasree S, Adarsha J R, Surekha M

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Scopus Publications		
1	Crystal and molecular structure of (4- Butoxyphenyl) (1H- Pyrrol- 2-yl) methonone In an international journal Actacrystalloographica section E ieActacryst (2012), E68 , 01521.	Prakash V
2	Crystal and molecular structure of (4- Fluorophenyl) (1H- Pyrrol- 2-yl) methonone In an international journal Actacrystalloographica section E ieActacryst (2012), E68 ,02073.	Prakash V
UGC Journals Publications		
1	“Crystal and Molecular Structure of 2- Amino-3-Ethyl Carboxamide- 4-Metyl- 5-Carboxy Ethyl Thiophene” in Scientific Research Journal Crystal Structure Theory and Applications, 2012,1,92-96.	Prakash V
2	Quantitative Insights into the crystal - 2-Cyano – 3 Phenyl prop– 2- enoate: Inputs from X – ray Diffraction, DFT Calculations and HirshfeldsurfaceAnalysis. In an international journal J ChemCrystallog 2014, (0536) On 9/82014.	Prakash V
3	Crystal Structure of 2-cyano– N- Cyclohexylacetamide In an international journal x – ray structure analysis online 2014, Vol –30,The Japan society for analytical chemistry.	Prakash V

4	Asymmetric Molecules in the Polymorph of 2- Amino –4,5,6,7– tertrahydrobenzo – (b) thiophene -3 – carbonitrile In an International Journal X – ray structure Analysis Online 2014, Vol -30, Page No. 5,6, Society for Analytical Chemistry.	Prakash V
5	Qualitative Crystal structure analysis of Naphtho (2, 1-B) Furan 2- Ylmethanol Inputs from pixel, aimall and Hirshfeld analysis. The Paper is published by New Academic Publishers ISBN: 9788186772898	Prakash V
6	“Nanocomposites” during “4th International conference on Chip, Circuitry, Current, Coding, Combustion & Composites (i7C – 2017)” held at Sri Sairam College of Engineering, Bengaluru on 16th – 17th November 2017.	Prakash V

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Scopus Publications		
1	“Device for oxide dots fabrication with copper wire as cathode probe”, Journal of Microsystem technologies Volume 17, Number 9, 1459-1462.	Sathyaraj K, Kanivalan K,Venkatesan P, RajendranK, Kumaran S
UGC Journals Publications		
1	“Topographic imaging of mycobacterium smegmatis cells surface treated with ethambutol and rifampicin, Int J Pharm Bio Sci 2013.	P.SankarGanesh,K.Kanivalan,K.Rajendran, D.Kumar and S.Kumaran,
2	“Preparation and characterization analysis of zinc oxide doped with tin by using spray Pyrolysis method” in Bharath Research Bulletin 2016 residing ISBN No. 978-93-80509-92-1 conducted by Bharathcollege,of Science and Management, Thanjavur.	Kanivalan K,