



# G.H. RAISONI ACADEMY OF ENGINEERING & TECHNOLOGY

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## Details of Research Papers in Journals of First Year Department

Sr. No.	Name of Faculty	Name of Publish Paper	Name of Journals /Volume No/Issue No/Pg. No/ISBN/ISSN/I.P
1	Dr. H. Pandhurnekar	Synthesis, characterization and antibacterial activity of some novel azo-azoimine dyes of 6-bromo-2-naphthol	Int. J. Chem. Tech. Res, 2010, 2 (3), 1823-830
2	Dr. H. Pandhurnekar	Synthesis, characterization and antibacterial activity of some new 3-(aryl)-1-(4-(quinolin-8-ylamino) phenyl) prop-2-en-1-one	Der Pharma Chemica, 2010, 2 (3), 294-300
3	Dr. H. Pandhurnekar	Synthesis of novel bis ( $\beta$ -Lactams) from bis (ketene) and imines	Int J Chem Tech Res, 2010, 2 (3), 1581-1585
4	Dr. H. Pandhurnekar	An efficient synthesis and biological testing of novel 3-chloro-4-aryl-1-(4-(phenyldiazenyl) phenyl) azetidion-2-ones	Journal of Heterocyclic Chemistry, 2010, 47 (6), 1361-1366
5	Dr. H. Pandhurnekar	Prediction of theoretical physicochemical properties and one-pot synthesis of bis-azetidionones by [2+ 2] ketene-imine cycloaddition in the presence of montmorillonite	Medicinal Chemistry, 2011 7 (4), 325-332
6	Dr. H. Pandhurnekar	An efficient synthesis of novel bioactive azetidionones and thiazolidionones of 1, 5-dimethyl-2-phenyl-1h-pyrazol-3 (2h)-one	Int J Pharm Biosci, 2011, 2 (1), 19-22
7	Dr. H. Pandhurnekar	An expeditious one-pot synthesis of substituted phenylazetidion-2-ones in the presence of zeolite	Journal of Heterocyclic Chemistry, 2011, 48 (5), 1067-1072
8	Dr. H. Pandhurnekar	Synthesis, characterization and antibacterial evaluation of some azetidionone derivatives of 3-methyl-1H-pyrazol-5 (4H)-one	Archives of Applied Science Research, 2012, 4 (3), 1442-1446
9	Dr. H. Pandhurnekar	Synthesis, Characterization and Testing of Biological Activity of Some Novel Chalcones Derivatives of Coumarin	CHEMICAL SCIENCE TRANSACTIONS, 2013
10	Dr. H. Pandhurnekar	A zeolite promoted expeditious one-pot synthesis of 1-arylmethyl-4, 5-dihydro-2-aryl-1H-imidazole	Journal of Heterocyclic Chemistry, 2010, 47 (2), 350-353
11	Dr. H. Pandhurnekar	Zeolite-Supported One-Pot Synthesis of Bis-azetidionones under Microwave Irradiation	Journal of Heterocyclic Chemistry, 2013, 50 (S1)



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12	Dr. H. Pandhurnekar	Synthesis, characterization, antibacterial and antifungal activity of 2-(aryl)-3-(3-((8-hydroxyquinolin-5-yl) diazenyl) phenyl) thiazolidin-4-ones	Journal of Heterocyclic Chemistry, 2011, 48 (6), 1323-1328
13	Dr. H. Pandhurnekar	Efficient Synthesis, Characterization, In Vitro Antibacterial and Antifungal Activity Study and Computational Tool for Prediction of Molecular Properties of Some Novel Schiff's Base via Betti's Protocol and Azetidinones	Journal of Heterocyclic Chemistry, 2015,
14	Dr. H. Pandhurnekar	Synthesis and Antimicrobial Evaluation of New Monocyclic $\beta$ -Lactams	Journal of Heterocyclic Chemistry, 2012, 49 (5), 1151-1155
15	Dr. H. Pandhurnekar	Synthesis, Characterization, Antibacterial, and Antifungal Activity of Novel 2-(2-hydroxy-5-((aryl)-diazenyl)phenyl)-3-(4-hydroxyphenyl)- thiazolidin-4-one	Journal of Heterocyclic Chemistry, 2016,
16	Dr. H. Pandhurnekar	Synthesis, Characterization, and Biological Evaluation of Azetidinones by Modifying the Pharmacophoric sites using betti's Protocol of 8-Hydroxyquinoline Precursor	International Journal of Pharma and Biosciences, 2014, 5 (3), 541-548
17	Dr. H. Pandhurnekar	Synthesis, Characterization and Biological Activity of 4 -(2-Hydroxy-5- (Aryl-Diazenyl)Phenyl)-6-(Aryl)Pyrimidin-2-Ols Derivatives	Organic Chemistry International 2013 (2013), Article ID 582079, 1-10
18	Dr. D. Deshmukh	Density, speed of sound, viscosity and refractive index properties of aqueous solutions of vitamins B 1. HCl and B 6. HCl at temperatures (278.15, 288.15, and 298.15) K	The Journal of Chemical Thermodynamics, 2013, 58, 149-157
19	Dr. D. Deshmukh	The study of molecular interactions of ascorbic acid and sodium ascorbate with water at temperatures (278.15, 288.15 and 298.15) K	The Journal of Chemical Thermodynamics, 2013, 67, 217-226
20	Dr. D. Deshmukh	Volumetric and viscometric study of aqueous binary mixtures of some glycol ethers at T=(275.15 and 283.15) K	The Journal of Chemical Thermodynamics, 2011, 43 (12), 1961-1968
21	Dr. D. Deshmukh	Density and viscosity study of nicotinic acid and nicotinamide in dilute aqueous solutions at and around the temperature of the maximum density of water	The Journal of Chemical Thermodynamics, 2014, 76, 16-23
22	Dr. D. Deshmukh	Volumetric and acoustic study of aqueous binary mixtures of quinine hydrochloride,	The Journal of Chemical Thermodynamics, 2015,



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		guanidine hydrochloride and quinic acid at different temperatures	81, 34-43
23	Dr. K. Khandarkar	“Indian Natural Zeolites Catalyzed Urea Furfural Green Polymerization”,	IJRSET, Vol. 3(5), 12079-12087, May 2014.
24	Dr. K. Khandarkar	“Facile green synthesis and potent antimicrobial efficacy of $\beta$ -aminoheteronaphthol via tailored Betti’s protocol and their bis-aryl hydrazone click products”,	J. Chem. Sci. 2013; 125(6), p 1573–1594.
25	Dr. K. Khandarkar	“3D QSAR Studies of Coumarin Derivatives for Modifying the Pharmacophoric Sites Using Betti’s Protocol”,	Universal Journal of Chemistry 2013; 1(2), p 38-45.
26	Dr. K. Khandarkar	“Indian natural zeolite catalyzed synthesis of $\beta$ -aminoheteronaphthol and their potent antimicrobial efficacy”,	IJPSR, 2013; 4(9), p 1000-1013.
27	Dr. K. Khandarkar	“Tailored Betti’s Protocol for One Pot Multi-Component Condensation of Bioactive Heterocycles and Their Virtual Screening”, ISSN: 2249 –8346,	Applied Research and Development Institute Journal, 2013, 7(15); p 92–101.
28	Dr. K. Khandarkar	“Synthesis and antiamebic activity of potent $\gamma$ -butyrolactone and their lactam derivatives” ISSN: 2249 –4820,	International Journal of Chemistry & Biology Interface, 2011, 1; p-101-115.
29	Dr. K. Khandarkar	“Greener Synthetic and Nanotechnological Bridge: Theoretical and Practical Biological Approach Toward the Bactericidal Dual Action Mechanism of Azomethine-Nanosilver Hybrid”.	International Journal of Green Nanotechnology: Physics and Chemistry, 2010, 2; p 53–61.
30	Prof. K. Raut	“Performance Analysis of PID Tuning Techniques based on Time Response Specification”,	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering,





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			Volume 2, issue 1, jan 2014.
31	Prof. K. Raut	“PID Tuning Rules for First Order plus Time Delay System”,	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Volume 2, issue 1, jan 2014.
32	Prof. K. Raut	“Design & Simulation of PID tuning techniques with FLC System”,	International Journal of Engineering Sciences & Management, Volume V, Issue II, Jul-Dec 2015, pp 87-92.
33	Prof. L. Bisen	Mimicry as Comouflage: The character of Jemubhai in The Inheritance of Loss	Critical Insight, May 2014, Vol.2, No.2 ISSN No. 2319- 9261
34	Prof. L. Bisen	Motivation as Important Factor in Second Language Learning	Confluence IV, ISSN No. 2250-138X, Vol III, 22-23 February 2013, pp 121-124

