Sr. No	Name of Faculty	Title of the Research paper	Name of Journal & Place of Publications	ISSN	Vol., PP No. and Year	Month and Year of Publication
1.	Dr. N. B. Patel	Speed of sound, isentropic compressibility, viscosity, & excess volume of binary mixtures alkanenitriles with alkyl acetates	*J. Chemical Eng. data* (ACS)	0021-9568	40,840-44	1995
2.		Speed of sound, isentropic compressibility, viscosity, & excess volume of binary mixtures alkanenitrilesdimethylformamide dimethyl acetamide, and dimethylsulphoxide	*J. Chemical Eng. data* (ACS)	0021-9568	40,845-49	1995
3.		Viscosities of nonelectrolyte liquid mixtures containing acetonitrile	*International J. Thermo physics* (ACS)	0195-928X	21(5) 999-1010	2000
4.		Speed of sound, isentropic compressibility, viscosity, & excess volume of binary mixtures of alkanenitriles with organic solvents	*J. Chemical Eng. data* (ACS)	0021-9568	45,225-30	2000
5.		Synthesis & antibacterial activity of 2-(arylthioureido)-3-(N-p-tolylsulfonamido carbonyl)pyridine	*J. Indian Council Chemists*	0971-5037	18(1)56-58	2000
6.		Antibacterial study of pyrazine -2-carboxamide and 4-methoxy aniline containing s-triazine derivatives	*J. Indian Council Chemists*	0971-5037	18(2)67-69	2001
7.		Synthesis of new substituted 4(3*H*)-quinazolinone& studies their antibacterial activity	*Indian J. Heterocyclic Chem*	0971-1627	11, 85-86	2001
8.		Synthesis & antibacterial activity of 2-(aryl thioureido)-3-[4^{I}-(4^{I}-p-nitrophenyl carbonyl) piperazin-1^{I}-ylcarbonyl] pyridine	*Indian J. Heterocyclic Chem*	0971-1627	11, 77-78	2001
9.		Antibacterial study of 2-(p-tolylsulfanilamido)-3-(N-arylthioureido carbonyl) pyridine	*Oriental J. Chem*	2231-5039	18(3)551-54	2002
10.		Pyrazine-2-carboxamide & sulfa- nilamide containing s-triazine derivatives	*Acta Ciencia Indica*	0253-7338	28(2)69-72	2002
11.		Pyrazine-2-carboxamide & acetaminophen containing s-triazine derivatives	*J. Indian Council Chemists*	0971-5037	74(2)50-52	2002
12.		Antibacterial study of 2-(pyrazine-2^{I}-carboxamido)-4-(2^{I}-p-amino- benzene sulfonamido)-6-(arylthio- ureido)-s-triazine derivatives	*J. Indian Council Chemists*	0971-5037	19(2)17-20	2002

13.		2-[4[1]-(p-Acetamidophenyl carbonyl) piperazin-1[1]-yl]-3-(N-arylthioureido carbonyl) pyridine as antibacterial agents	*Indian J. Heterocyclic Chem*	0971-1627	12, 83-84	2002
14.		Synthesis & antimicrobial activity 2-[N-(arylureido)carbonyl]pyrazine derivatives	*Acta Ciencia Indica*	0253-7338	29(1)17-20	2003
15.		Synthesis & antimicrobial activities of pyrazine-2-carboxylic acid with various sulfonamide derivatives	*Oriental J. Chem*	2231-5039	19(2)461-464	2003
16.		Synthesis & antimicrobial studies of arylthiourea with 2-[(2',6'-dichloro-phenyl)amino]phenyl acetic acid	*Oriental J. Chem*	2231-5039	20(3)543-546	2004
17.		Synthesis of novel 6-substituted aminopyridin-2(*H*)-one	*Indian J. Chem.*	0975-0975	43B (8)1774-78	2004
18.		Synthesis & antimicrobial studies of pyridoquinolone derivatives	Int. J. Chem. Sci	0972-768X	2(2)153-58	2004
19.		Synthesis & properties of polymers containing s-triazine ring in main chain	*International J. Polymeric Material*	0091-4037	53(8)653-58	2004
20.		Pyridoquino- lones of sulfona- mides, thioureas and amines and their antimicrobial activity	*Indian J. Heterocyclic Chem*	0971-1627	15(1)39-42	2005
21.		Synthesis of N-ethyl piperazinylsulfonyl group incorporated banzamides	*Indian J. Heterocyclic Chem*	0971-1627	15(2), 201-202	2005
22.		Microbial studies of new amidides of pyridoquinolone	Int. J. Chem. Sci	0972-768X	3(1)60-66	2005
23.		Synthesis & antimicrobial activity of sulfonamides and 4-(*p*-nitrobenzoyl) piperazine incorporated fluoro quinolones	*Indian J. Heterocyclic Chem*	0971-1627	16(2), 205-06	2006
24.		Synthesis and microbial studies of 2-[(3[1]-Trifluoromethyl phenyl)-amino]-3-[N[4]-{N[1]-(substituted benzothiazolyl) sulfanilamido}carbonyl]pyridines	*J. Saudi Chem. Soc*	1319-6103	10(2), 373-82	2006
25.		Studies on synthesis and microbial activity of novel benzothiazoles containing 2-hydroxy benzoic acid	Int. J. Chem. Sci	0972-768X	4(3), 569-75	2006
26.		Synthesis and microbial studies of 2-[(3[1]-rifluoromethylphenyl) amino]-3-[N[1]-(substituted benzothiazolyl)carbonyl]pyridines	*Oriental J. Chem*	2231-5039	22(2), 333-38	2006
27.		Antimicrobial study of 6-fluoro-1,4-dihydro-4-oxo-7-(substituted piperazinyl)-3-[(substituted	Int. J. Chem. Sci	0972-768X	4(2), 61-68	2006

		aylureido)carbonyl]quinolines				
28.		Synthesis & microbial studies of 2-[(3^{l}-trifluoromethylphenyl)amino]-3-[N^{4}-{N^{1}-(7^{l}-substitutedaryl)benzothiazolyl}sulfanilamido]carbonyl pyridines	*Indian J. Heterocyclic Chem*	0971-1627	15(4), 395-96	2006
29.		Quinazolin-4(3*H*)-ones of 2-[(2', 6'-diclorophenyl) amino]phenyl -acetic acid with substituted aryl acetamide and their microbial studies	*J. Indian Chem. Soc.*,	0019-4522	83(8), 438-41	2006
30.		Synthesis and antimicrobial evaluation of new (4-oxo-thiazolidinyl)quinazolin-4(3*H*)ones of 2-[(2,6-dichloro phenyl)amino]phenylacetic acid	*Iranian J. Pharma. Res*	1735-0328	6(4), 251-58	2007
31.		Synthesis, characterization and biological screening of some new pyridine derivatives	*J. Indian Chem. Soc.*,	0019-4522	84(8), 785-91	2007
32.		Synthesis and microbial studies of new pyridine derivatives-III	*Chinese. J. Chem. Soc*	1001-604X	25,1363-69	2007
33.		Synthesis and antimicrobial studies of analogues of intermediates of sildenafil	*J. Saudi Chem. Soc*	1319-6103	11(1), 93-100	2007
34.		Synthesis and microbial studies of 2-[N^{4}-{N^{2}-(7-(substituted anilino) benzothiazolyl)sulfanilamido}amino]-3-[N^{1}{(2^{l},3^{l}dichloro)piperazinyl} carbonyl]pyridines	*Int. J. Chem. Sci.*	0972-768X	4(3), 340-50	2007
35.		New 2,3-disubstituted quinazolin-4(3*H*)ones as antimicrobial agents	*Indian J. Heterocyclic Chem*	0971-1627	16(3), 247-50	2007
36.		Synthesis of amide derivatives of quinolone & their microbial studies	*Indian J. Chem.*	0975-0975	43B(1), 12-34	2007
37.		Synthesis and antimicrobial studies of novel biological heterocycles	*Chinese. J. Chem. Soc*	1001-604X	26(12), 2233-40	2008
38.		Characterization, application and microbial study of imidazole base acid anthraquinone dyes	*Oriental J. Chem.*	2231-5039	24(2), 551-58,	2008
39.		Synthesis and antimicrobial studies of 4(3*H*)-quinazolinones	*J. Saudi Chem. Soc*	1319-6103	12(2), 251-60	2008
40.		Synthesis and antimicrobial screening of 2-[2-(2,6-dichloro phenyl)-amino] phenylmethyl-3-{4-[4-(substituted phenyl)-3-chloro-2-oxo-azetidinyl] aryl}-	*J. Saudi Chem. Soc*	1319-6103	12(1),121-130	2008

		7-chloroquin- azolin-4(3*H*) ones				
41.		Synthesis & biological studies of new 1,3-thiazolyl-quinazolin-4(3*H*)-ones of 2-[2-(2,6-dichlorophenyl) amino]phenyl acetic acid	*J. Saudi Chem. Soc*	1319-6103	13(1),119-126	2009
42.		Synthesis and microbial studies of new pyridine derivatives	*Chem. Hetero. Comp*	1573-8353	45(11), 1672-1683	2009
43.		Novel acid anthraquinone dyes, their application on various fibres	*Asian J. Chem*	0970-7077	21(6), 4435-43	2009
44.		New 1,3-thiazolyl-7-chloroquinazo lin-4(3*H*)ones as antimicrobial agents	*J. Indian Council Chemists*,	0971-5037	26(1), 41-46	2009
45.		Synthesis and antimicrobial activity of pyrazolyl-quinazolin-4(3*H*)ones	*Der PharmaChemica*	0975-413X	1(2), 228-38	2009
46.		Synthesis and antimicrobial activity of new 1,3-thiazolylquinazolin-4(3*H*)ones	*Indian J. Heterocyclic Chem*	0971-1627	18(3), 247-50	2009
47.		Synthesis and antimicrobial studies of some 4-Thiazolidinone containing fluoroquinolones analogous	*Der PharmaChemica*	ISSN 0975-413X	1(2), 199-209	2009
48.		Synthesis and biological activity of some new 1,3-thiazolyl-6-bromo quinazolin-4(3*H*)ones	*J. Indian Chem. Soc*.	0019 4522	86(11), 1231-36	2009
49.		Performance and microbial studies of acid anthraquinone dyes containing triazole on various fibres	Int. *J. Chem. Sci*	0972-768X	7(1)155-68	2009
50.		Synthesis and antimicrobial activity of 2-phenyl-3-{1-cyclopropyl-6-fluoro-7-[4-methylpiperazin-1-yl]-4-quinolone} carboxamido-3-thiazolidin-4-ones	*Indian J. Chem*	0376-4699	48B(5), 705-11	2009
51.		New 2-aminopyirdine containing acid anthraquinone dyes, their application and microbial studies	*Indian J. Chem*	0376-4699	48B(5), 705-11	2009
52.		Synthesis and biological studies of new1,3-thiazolyl-quinazolin-4(3*H*) ones of 2-[2-(2,6-dichloro phenyl) amino]phenyl acetic acid	*J. Saudi Chem. Soc*	1319-6103	13(1), 119-26	2009
53.		First total synthesis of (*Z*)-11-(2-oxopropyli- dene)-2,3,11,11a-tetra-hydro-1*H*-benzo [e]pyrrolo[1,2-*a*][1,4]- diazepin-5(10*H*)-one	Synthetic Communications	ISSN(P): 0039-7911	39(11), 2058-66	2009
54.		Synthesis and pharmacological studies of 5-ethyl pyridin-2-ethanol analogs	*Arkivoc*	1551-7012	Xii, 302-20	2009

		derivatives				
55.		Synthesis and microbial studies of (4-oxo-thiazolidinyl)sulfonamides bearing quinazolin-4(3*H*)ones	*Acta Polo. Pharma. Drug Res*	0001-6837	67(3), 267-275	2010
56.		*In vitro* microbial studies of new pyrazolylquinazolin-4(3*H*) one	*J. Saudi Chem. Soc*	1319-6103	14,157-164	2010
57.		Synthesis of diclofenac analogue of quinazolin-4(3*H*)ones as antimicrobial agents	*Med. Chem. Res*	1554-8120	47(4), **923-931**	2010
58.		Synthesis and microbial activity of novel 6-hydroxy-4-oxo-pyrido[2,3-h]quinoline-3-carboxamides	*Indian J. PharmaEdu. Res*	0019-5464	44(01)	2010
59.		Synthesis and antimicrobial activity of novel 1,3,4-oxadiazolyl-quinazolin-4(3*H*)ones	*J. Heterocycl Chem.*	1943-5193	47(4)	2010
60.		Synthesis and antimicrobial activity of 1,3,4-oxadiazolyl-quinazolin-4(3*H*)-ones	*J. Scien. Pharmaceutica*	0036-8709	78, 171-193	2010
61.		*In vitro* antimicrobial studies of new 2,3-disubstitutedquinazolin-4(3*H*)ones of 2-[2-(2,6-dichlorophenyl)amino]phenyl acetic acid	*Indian. J. Chem*	0376-4699.	49B, **929-936**	2010
62.		Sulfonamides of 2-[(2,6-dichlorophenyl)amino]phenyl acetoxy acetic acid & their antibacterial studies	*Acta Polo. Pharma*	0001-6837	67(4), 351-359	2010
63.		New thiazolidinylquinazolinones and their microbial activity studies	*Internal.J. Drug Design & Discovery*	0975-4423	01(03), 221-227	2010
64.		Synthesis and antimicrobial activity of 2-[2-(2,6-dichlorophenyl)amino]benzyl-3-(5-substituted phenyl-4,5-dihydro-1*H*-pyrazol-3-yl-amino)-6,8-dibromoquinazo-lin-4(3*H*)ones	*Young pharmacists*	0975-1505	2(2),173-182	2010
65		Pharmacological evaluation and characterizations of newly synthesized 1,2,4-triazoles	*Eur. J. Med.Chem*	0223-5234	45, 4293-4299	2010
66		Synthesis and anti microbial studies of new pyridine analogs 4-thiazolidinones containing 2-amino-6-methoxybenzothiazole	*Saudi Pharma. J.*	1319-0164	18(3), 129–136	2010
67.		Antimycobacterial and antimicrobial study of new 1,2,4-triazoles with benzothiazoles	*J. Arch. Der. Pharma.*	1521-4184	10, 692-699	2010

68.		Synthesis of new pyridine based 4-thiazolidinones incorporated benzothiazoles and evaluation of their antimicrobial activity	*J. Sci. I. R. Iran*	1026-5007	21(2), 121-129	2010
69.		Synthesis of chalcone containing pyrazolylquinazolin-4(3*H*)ones and their *in vitro* microbial studies	*Int. J. Chem. Sci*	0972-768X	8(2), **1287-1300**	2010
70.		Synthesis of novel 6-substtituted amino-4-(4-ethoxy phenyl)-1-phenyl-2(*H*)-pyridinones via azo coupling	*J. Monatsh fur Chemie*	1434-4475	141, **1123-1133**	2010
71.		Newer 4-thiazolidinones of nicotinic acid with 2-amino-6-methylbenzothiazole and their biological activity	*J. Scien. Pharmaceutica*	0036-8709	78, **753-765**	2010
72.		Synthesis and antimicrobial activity of quinazolin-4(3*H*)-ones incorporating sulfonamido-4-thiazolidinone	*Chinese J. Chem*	1001-604X	28, **1989-1997**	2010
73.		Antimicrobial screening of novel thiazolidinyl sulfonamides of quinazolin-4(3*H*)ones	*Pharma. Chem. J*	0091-150X	*44(8), 438-445*	2010
74.		Synthesis, antibacterial and antifungal activity of pyrazolyl-quinazolin-4(3*H*)-one derivatives	*Orbital, Elec J. Chem*	1984-6428	*2(3),* 248-262	2010
75.		Microbial studies of new substituted benzothiazolylquinazolin-4(3*H*) ones,	*International J. Pure Appl. Chem.*,	1311-8080	*5(4), 341-350*	2010
76.		Design and synthesis of 2-(5-ethyl-pyridine-2-yl)ethanol analogs as potential microbial agents	*Internal.J. Drug Design & Discovery*	0975-8275	01(01), 93-106	2010
77.		Synthesis of new nitrogen containing heterocycles from 5-ethyl pyridine-2-ehanol and their antibacterial and antifungal studies	*Indian J. Pharma. Sci*	1998-3743	7*5(5), 613-620*	2010
78.		Synthesis and antimicrobial study of new 4-thiazolidinones of nicotinic acid	*Int. J. Synth. Charact*	0974-3561	*3(2), 41-51*	2010
79.		Synthesis and *in vitro* antimicrobial study of Schiff base and thiazolidinone of 1-cyclopropyl-6-fluoro-7-[4-(2,3-dichloro-phenyl)piperazin-1-yl]-4-quinolone	*Acta Polo. Pharma. Drug Res*	0001-6837	67(1), 45-53	2010
80.		Synthesis and antibacterial studies of 2-[(2,6-dichlorophenyl)amino]-phenyl acetic acid derivatives with various sulfonamides	*Jordan J Chem*	2156-8251	5(1), 23-32	2010
81.		Microwave assisted synthesis and in vitro	*Heterocycl.*	0793-0283	17(1-2), 33-41	2011

		antimicrobial assessment of quinolone based s-triazines	*Commun.*			
82.		Synthesis of novel 5- alkyl/aryl/heteroaryl substituted diethyl 2*H*-pyrrole-4,4(3*H*)-dicarboxylates by aziridine ring expansion of diethyl 2-(aziridin-1-yl-1-alkyl/ aryl/heteroarylmethylene)malonates	*Beilstein J. Org. Chem.*	1860-5397	*7,* 831–838	2011
83.		Synthesis and antimicrobial activity of new pyridine derivatives-I	*Med. Chem. Res*	1554-8120	*20,*1033–1041	2011
84.		Synthesis and *in vitro* microbial activities of amides of pyridoquinolone	*Med. Chem. Res*	1554-8120	*20,*1054–1067	2011
85.		Synthesis of 1,2,4-triazoles containing benzothiazoles as pharmacologically active molecule	*J. Enzym. Inhib. Med. Chem*	1475-6366	26(4): 527–534	2011
86.		Synthesis and antimicrobial activity of Schiff bases and 2-azetidinones derived from quinazolin-4(3*H*)-one	*Arabian J. Chem.*	1878-5352	4, 403-411	2011
87.		Design, synthesis and antimicrobial activity of 4-thiazolidinonylquinazolin-4(3*H*) -ones diclofenac analogue	*Latin Amer. J. Pharm*	0326-2383.	*30(7),* 1274-1282	2011
88.		Piperazine and thiourea containing analogs of phenyl acetic acid: Synthesis and their antimicrobial activity	*Chem. Biolo. Interface*	2249 –4820	1(1), 79-94	2011
89.		Synthesis and antimicrobial activity of carbonyl pyridoquinolones containing urea and piperazine residue	*J. Saudi Chem. Soc*	1319-6103	*15(2), 167-176*	2011
90.		Synthesis and antimicrobial studies of Schiff bases of fluoroquinolone	***Indian J. Chem***	0376-4699	50B, 1645	2011
91.		*In vitro* antimicrobial studies of newly synthesized 1,3-oxazolyl-quinazolin-4(3*H*) ones	*Farmacia*	2065-0019	*59(4), 531-538*	2011
92.		Design and synthesis of new imidazolinone derivatives as potential antifungal and antibacterial agents	*J. HeterocyclChem*	1943-5193	*48(2), 373-380*	2011
93.		Synthesis of new 1,3-oxazolyl-7-chloroquinazolin-4(*3H*)ones and evaluation of antimicrobial activities	*Acta Polo. Pharma. Drug Res*	0001-6837	*15(2), 167-176*	2011
94.		Synthesis and antibacterial activity of thioureidoamides of fluoroquinolone,	*Int. J. Bio. Chem*	2152-2561	*5(1),* 37-45	2011
95.		Pharmacological evaluation and characterizations of newly synthesized	*Eur. J. Med. Chem.*	0223-5234	45. 4293-4299	2011

		1,2,4-triazoles				
96.		In *vitro* antimicrobial and antitubercular studies of novel 6-substituted (pyrrolidin-1-yl)-2(1*H*)-pyridinones	*Med. Chem. Res*	1554-8120	21, 4108–4119	2012
97.		Synthesis and *in vitro* antimicrobial evaluation of pyrazolyl-quinazolin-4(3*H*) ones	*Acta Polo. Pharma. Drug Res*	0001-6837	69, 1067–1075	2012
98.		Pyridoquinolones containing Azetidinones: Synthesis and their biological Evaluation	*Med. Chem. Res.*	1554-8120	21, 2044–2055	2012
99.		Synthesisof3-{4-[4-dimethylamino-6-(4-methyl-2-oxo-2H-chromen-7-yloxy)-[1,3,5] triazin-2-ylamino]-phenyl}-2-phenyl-5-(4-pyridin-2-yl-piperazin-1-ylmethyl)-thiazolidin-4-oneandtheir Biological evaluation	*Med. Chem. Res*	1554-8120	21, 2926–2944	2012
100.		In vitro antimicrobial assessment of coumarin-based s-triazinylpiperazines	*Med. Chem. Res*	1554-8120	21, 1611–1624	2012
101.		Synthesis and biological evaluation of some thiazolidinones as antimicrobial agents	*Euro. J. Med. Chem*	0223-5234	48, 354-362	2012
102.		Synthesis and antimicrobial activity of new disubstituted 4-thiazolidinones of dichlofenac analogue	*Intern J. Indu. Chem*	2228-5547	4, 921-929	2012
103.		Synthesis, characterization and microbial assay of new pyridoquinolone-3-carboxamides	***Indian J. Chem***	0376-4699	51B, 880-890	2012
104.		*In vitro* evaluation of antibacterial and antifungal activity of new pyrazolyl-quinazolin-4(3*H*)-ones	*Med. Chem. Res*	1554-8120	21, 229-238	2012
105.		Synthesis and *invitro* antimicrobial studies of 4-thiazolidinone incorporated 1,3,4-oxadiazoles	*Chem. & Bio. Interface*	2249-4820	2, 182-197	2012
106.		Characterization & pharmacological evaluation of new pyridine analogs	*Arabian J. Chem.*	1878-5352	5, 81-91	2012
107.		Synthesis of new thiazolidine-2,4-dione derivatives and Their antimicrobial and antitubercular activity	*Indian J. Res. Pharma. Biotech.*	2321-5674	4(1),496–503	2013
108.		Crystal structure of 1-(4-chlorophenyl)-3-{4-[2-(5-ethyl-pyridin-2-yl)-ethoxy]-phenyl}-propenone	*J. Structural Chem.*	0022-4766	54:3, 645-647	2013

109.		New 2-benzylsulfanyl-nicotinic acid based 1,3,4-oxadiazoles: Their Synthesis and biological evaluation	*Euro. J. Med. Chem*	0223-5234	62, 677–687	2013
110.		In vitro antimicrobial and antimycobacterial activity of some chalcones and their derivatives	*Med. Chem. Res*	1554-8120	22, 726–744	2013
111.		Anti-HIV, antimycobacterial and antimicrobial studies of newly synthesized 1,2,4-triazole clubbed benzothiazoles	*Med. Chem. Res*	1554-8120	22, 1320–1329	2013
112.		New synthetic appro- aches to substituted pyridine-2-(1*H*)-ones clubbed with substituted aryl diazo substituents	*Synth. Comm*	0039-7911	43:9, 1250-1262	2013
113.		Synthesis of 2-pyrazolines from pyridine based chalcone by conventional and microwave techniques: their comparison and antimicrobial studies	*J. Saudi Chem. Soc*	1319-6103	54:3, 645-647	2013
114.		Newer thiazolopyrimidine-based sulfonamides clubbed with benzothiazole moiety: synthesis and biological evaluation	*Med. Chem. Res*	1554-8120	22, 726–744	2014
115.		First Total Synthesis of *N*-(3-Guanidinopropyl)-2-(4-hydroxyphenyl)-2-oxoacetamide	*Helvetica Chemica Acta*	1522-2675	97(3), 404-413	2014
116.		Synthesis, characterization and in vitro antimicrobial activity of novel 4-thiazolidinones and 2-azetidinones	*International J. ChemtechAppln*	2319-7099	2(4) 61--77	2014
117.		Synthesis of newer 5-benzylidene-2, 4-thiazolidinediones as potential antimicrobials	*Indian J. Res. Pharma. Biotech*	2321-5674	2(1):993–1001	2014
118.		Synthesis and in vitro antimicrobial screening of new azetidin-2-ones of 5-ethyl pyridine-2-ethanol	*J. Het. Chem*	1943-5193	51, 775–787	2014
119.		Antimycobacterial and antimicrobial studies of newly synthesized 3-(4-(6-methylbenzo [d]thiazol-2-yl) phenyl)quinazolin-4(3*H*)-ones	*Indian J. Res. Pharma. Biotech*	2321-5674	2(1):935–942	2014
120.		New 4-thiazolidinones from 5-ethyl pyridin-2-ehanol: their antibacterial, antifungal and antitubercular activity	*Med. Chem. Res.*	1054-2523	23:1360–1370	2014
121.		Design and Synthesis of Newer Thiazolidinediones Incorporated with Pyridine and 1,3,4-Oxadiazole Moieties as	*International Journal of Drug Design and*	0975-8275	5(3): 1342-1351	2014

		Antimicrobial Agents	*Discovery*			
122.		Synthesis and Biological Evaluation of Newer Nicotinic acid based 2,5-disubstituted 1,3,4,-oxadiazoles	*Chem.Bio. Int.*	2249-4820	5(1):76-83	2015
123.		Synthesis of some new 2-amino-6-thiocyanato benzothiazolederivatives bearing 2,4-thiazolidinediones and screening of theirin vitro antimicrobial, antitubercular and antiviral activities	*Med. Chem. Res.*	1054-2523	23:1360–1370	2015
124.		Microwave Assisted Synthetic Approach of New Pyridine based Benzothiazepines: Their Antibacterial and Antifungal Activities	*Current Microwave Chemistry*	2213-3356	3(3): 212-218	2016
125.		Dyeing assessment and antimicrobial activity of tetra azo acid dyes derived from 4,4'-(propane-2,2-diyl)bis(2-methyl-4,1phenylene)bis(3-aminobenzene sulfonate). Snehal N. Patel and Navin B. Patel*,*Journal of Applied Science*, 2(5), 2016, 16-31	*Journal of Applied Science*	1812-5654	2(5),16-31	2016
126.		Study of newly synthesized pyridine-pyrimidine-oxadiazole comprising molecules as antimicrobial agent: Patel NB* and Sabirkhan S Pathan, Indian Journal of Research in Pharmacy and Biotechnology, 2016, 4(3), 131-141	Indian Journal of Research in Pharmacy and Biotechnology	2321-5674	4(3), 131-141	2016
127.		Synthesis and biological evaluation of newer 1,3,4-oxadiazoles incorporated with benzothiazepine and benzodiazepine moieties	*ZeitschriftfürNaturforschung C*	1865-7125	72(3-4); 133-146	2017
128.		Synthesis and evaluation of antibacterial and antifungal activities of 4-thiazolidinones and 2-azetidinones derivatives from chalcone	*Medicinal chemistry research*	1054-2523	26; 1772-1783	2017
129.		In vitro and in vivo assessment of newer quinoxaline –oxadiazole hybrids as antimicrobial and antiprotozoal agents	*International J. of Antimicrobial Agents*	0924-8579	50; 413-418	2017
130.		Pyrimidine incorporated schiff base of isoniazid with their synthesis, characterization and in vitro biological evaluation	*Asian J. Pharm. Clin. Res*	2455-3891	10(10), 1-6	2017

131.		*In vitro* antimicrobial, antimycobacterial evolution and synthesis of substituted 1, 2, 4-triazole motifs	*Chemistry & Biology Interface*	2249-4820	8, 3, 184-193	2017
132.		Synthesis and Biological Evaluation of 4-Methyl-6-Nitro-2-Oxo-2*H*-Chromen-7-yl-(4-(4-Substituted phenyl) Thiazol-2-yl amino) Acetates	*J. of Chemical and Pharmaceutical Research*	0975-7384	9(7); 171-178	2017
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136.		Synthesis, Pharmacological Evaluation and Docking Studies of Newly Synthesized Fluorine Containing 1,2,4-Triazole Clubbed Benzimidazole	*Glob SciChron*	2395-5523	1(1); 1-12	2018
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142		Synthesis of 1-(4-(2,3-dichlorophenoxy)phenyl)-4,5-bis(4-fluorophenyl)-2-substituted-1*h*-imidazole: Their biological study	*Inter. Multidis. E-res. J*	2348-7143	74-81	2019
143.		3,4-Dihydropyrimidin-2(1H)-One Analogues: Microwave irradiated Synthesis with Antimicrobial and Antituberculosis Study	*Current Microwave Chemistry*	2213-3356	6; 61- 70	2019
144.		Lewis Acid promoted One pot synthesis of Fluoroquinolone clubbed 1,3,4-Thiadiazole Motifs under Microwave	*Current Microwave Chemistry*	2213-3356	6; 1-00	2019
145.		N- Mannich bases of benzimidazole as a potent antitubercular and antiprotozoal agents: Their synthesis and computational studies	Synthetic Communications	0039-7911	Doino. 10.1080/00397911.20201725057	2020

Publications – Other than Research Papers

Sr. No	Name of Faculty / Research Scholar	Title of the Book	Name of the Publisher, Month Year	ISBN	Type of Authorship (Author / Co-author /Editor / Translation / Chapter)
1.	Navin B Patel, Divyesh K Patel, Sarvil D Pathak	Synthesis and Biological Activities of 1,3,4-Oxadiazole Derivatives	Scholar Press 08-11-2018	978-620-2-30882-3	Senior Author/Supervisor
2.	Navin B Patel, Divyesh K Patel, Kunal Pathak	Biological Evaluation of Phenanthroline based Thiazolidinone Analogs	Lambert Academic Publishing 06-09-2018	978-613-9-82865-4	Senior Author/Supervisor

Publications – e-Content

Sr. No	Name of Faculty / Research Scholar	Title of Publication	Name of the Publisher, Month Year
	NIL		