

## BIO-DATA OF Prof. K. R. DESAI



1. Name : Prof. (Dr.) K. R. DESAI  
M. Sc., Ph. D., D.Sc, F.I.C.,  
F.E.C.S.I  
A.R.S.C. (London)

Designation:- Professor Emeritus, Uka Tarsadia University ,  
Bardoli, Ex-Prof & Head Department of chemistry,  
South Guj. University -SURAT-Gujarat - INDIA

### 2. Academic Qualification

Doctor of science (Chemistry) D.Sc. 1992  
Doctor of Philosophy (Chemistry) PhD 1974  
Master of Science (Chemistry) M.Sc. 1969

### 3. Professional Position Held

Uka tarsadia University-Surat Professor Emeritus - Till date

- Uka tarsadia University-Surat : Director --- 2009-to 2019
- South Guj- University-Surat : Professor & Head(1992- 2008)
- South Guj-University-Surat : Associate Professor (1984-
- South Guj-University-Surat Assistant Professor (1976-1984)

### 4. Professional Experiences

Teaching & Research Experience : 50 years

No. of students guided: : Under my guidance 115 students have  
Obtained Ph.D. and M. Phil degree.

(74 Ph .D and 41 M. Phil )

Research publications : 392 (Three Hundred ninety two )  
National & International  
publications.

Books : SIX Books, ONE book on green chemistry  
Microwave reactions, two books on Industrial  
plan processes & three books  
Pure chemistry

Patents (Indian) : 2 (Two)

Invited speakers and chairing the Sessions  
(At National & International Conferences) : 80 (last five years)

## **5. Honors and Award**

- (a) Life Time Achievement Award from Indian Society of chemist & Biologist-ISCIB-Lucknow-2016
- (b) Life Time Achievement Award in Chemical Science by Indian council of Chemist-Agra in 2013.
- (c) Life Time Achievement Award IN Chemistry by JERAD - BHOPAL in 2011.
- (d) Emeritus professors Awarded by UGC-New Delhi-2008
- (e) Scientist of the year 2002 awarded by National Science and Environmental Academy, New Delhi.
- (f) Best research paper award during 1995-1996 of Institute of Chemist, Calcutta.
- (g) Under UGC Exchange of Teachers Program, Visited as Scientist, at University of Moscow - University of Leningrad - University of Kiev, Ukrain-1990.
- (h) Visited East Germany under U.G.C. Exchange of Teachers Programme-1987.
- (i) Visited National University of Singapore and Bangkok and attending Asian Chemical Conference of Analytical Chemistry - 1985.
- (j) Visited Doha-Qatar to attend the 2<sup>nd</sup> International conference of Hetero cyclic chemistry and its application in December 2003.
- (k) Visited Kuwait- University -Kuwait in 2005 for invited talk in International conference on Green chemistry.
- (l) Visited China Jinan University, Jinan for International conference and also give a talk at Beijing & Shanghai University in 2007 on Green chemistry
- (m) Visited Mauritius to attend the International conference of Environmental Chemistry during September-2010.
- (n) (l) Vice-President Indian Council of Chemists (Agra)
- (o) (m) Vice-president Institute of Chemists -Kolkata

## **6. Collaboration in research with Indian and foreign agencies**

- 1) National Cancer Institute, Maryland, U.S.A.
- 2) R. W. Johnson Pharmaceutical Research Institute, New Jersey, U.S.A.
- 3) SPECS and Bios PECS, Netherlands.
- 4) E.I. DuPont, U.S.A.
- 5) Molecular Design & Discovery, Canada.
- 6) Spec-Chem Special Chemicals – manufacturers – Czechoslovakia.
- 7) E. Merck Research Laboratories, New York, U.S.A.
- 8) Ranbaxy Laboratories Ltd., New Delhi.
- 9) ASTRA Research Centre, Bangalore.

## **7. Life Membership / Fellowships**

- Indian Association of Nuclear chemists and Allied Scientists (BARC),
- Life member of Indian Science congress Association-kolkata
- Chemical Research Society of India, Bangalore.-
- Fellow of Institute of Chemists (kolkata),
- Fellow of Electrochemical Society of India (Bangalore),
- Fellow of Indian Council of Chemists (Agra),
- Fellow of Indian Chemical Society (kolkata),
- Associateship of the Royal society of Chemistry (London)

## **8. Other Services**

**Expert Committee Members :-**

- 1) For selection committee of Professors, Principals, Readers, Lectures etc.
- 2) For Scientists of CSIR affiliated Research Institutes.
- 3) Various Prestigious Science Awards of Gujarat.
- 4) Contributed as academic expert in the Board of study in the various Universities like M. S. University Baroda. Sardar Patel University Vallabh Vidhyanager, Gujarat University Ahmedabad, Saurashtra University Rajkot, Mumbai University- Mumbai, Ajmer University Ajmer
- 5) I have evaluated D. Sc and Ph.D. thesis of candidates of many Indian Universities

## **9. University & National level membership**

- (A) University level : (1) Senate (since 1986 to2008)  
(2) Board of Studies  
(3) Faculty of Science  
(4) Academic Council  
(5) Board of University Teaching  
(6) Syndicate

(B) National level

- (1) Post-doctoral Award Committee, Govt of India, Human Resource Department, New Delhi.
- (2) Technical Advisory Committee ,Department of Science and Technology, New Delhi.

- (C) As a Syndic Member on Various :**
- (1) Finance committee**
  - ( 2) Annual Report**
  - (3) Staff Standing**
  - (4) Parikhsha Acher Semite**
  - (5) Joint Consultative**
  - (6) Library**
  - (7) Building**

**Appendix-II**

**RESEARCH PAPER PUBLICATION OF Prof. (Dr.) K. R. DESAI  
(D.Sc.).**

**1971-2019**

**Year-2019**

392. Performance of Up flow Anaerobic sludge blanket ( UASB) past Treatment Technologies for sewage treatment in Surat city.  
Nimesh V.Vashi, N.C.Shah., K.R.Desai.  
Oriental J of Chemistry,(2019),35,1352-1359.
391. Recent Technologies adopted for Upgradation of existing Sewage Treatment plants and for sewage reuse and recycle in Surat, India.  
Nimesh V.Vashi, N.C.Shah., K.R.Desai.  
International J of Innovative Science, Engineering & Technology (2019) 6, 2348-2360.
390. Improving performance of UF operations in large scale Sewage recycle plant in Surat city- A case study.  
Nimesh V.Vashi, N.C.Shah., K.R.Desai.  
J.of Indian water works association (2019), LII,111-119.

**Year-2014**

389. Rhodanine-based biologically active molecules:synthesis, characterization, and biological evolution.  
Aniruddhsinh M. Rana, kishor R.Desai, smita jauhari  
Res Chem intermed (2014) 40:761-777.
- 388 Novel s-triazine accommodated 5-benzylidino-4-thiazolidinones: synthesis and in vitro biological evaluations  
Anniruddhsinh M.Rana, Pooja Trivedi, Kishor R.desai, smita jauhari  
Medicinal chemistry research, 2014.
387. microwave induced and conventional heterocyclic synthesis: an antimicrobial entites of newer quinazolinyl- $\Delta^2$ -pyrazolines.  
Krunal G.desai, Jiten I. Naik, Jignesh P. Raval, Kishor r. Desai.  
Arabian journal of chemistry (2014) 7, 597-603.

### Year-2013

386. synthesis, characterization, molecular structure and DFT studies of 4-benzylidene-2-(2-chloro-phenyl)-2,4-dihydro-pyrazol-3-one.  
Urmila h. patel, sahaj A Gandhi, B.D.patel, R d Modh, R D patel, jayraj yadav, K r Desai.  
Indian journal of pure&applied physics, 51,December 2013,pp.819-826.
385. Rana, A.M., Desai, K.R., Jauhari, S.  
Synthesis, characterization, and pharmacological evaluation of 1-[2-(6-nitro-4-oxo-2-phenyl-4H-quinazolin-3-yl)-ethyl]-3-phenyl ureas  
(2013) *Medicinal Chemistry Research*, 22 (1), pp. 225-233.  
ISSN: 10542523  
CODEN: MCREE  
DOI: 10.1007/s00044-012-0004-3

### Year -2012

384. synthesis and characterization of novel 2-[(5z)-5-benzylidene-4-oxo-2-thioxo-1,3-thiazolidine-3-yl]-N-(2-methylphenyl)acetamide based analogues  
Aniruddhasinh M.Rana , Kishor R. Desai, smita jauhari.  
Der pharma chemical, 2012, 4(6):2453-2459.
383. Joshi, M., Jauhari, S., Desai, K.R.  
Polyurethanes as polymerizable dyes for hydrophobic polyester fabric  
(2012) *Research on Chemical Intermediates*, 38 (9), pp. 2137-2148.  
ISSN: 09226168  
CODEN: RCINE  
DOI: 10.1007/s11164-012-0532-y  
Document Type: Article  
Source: Scopus
382. Raval, J.P., Desai, K.G., Desai, K.R.  
Microwave synthesis, characterization and antimicrobial study of new pyrazolyl-oxopropyl-quinazolin-4(3H)-one derivatives  
(2012) *Journal of Saudi Chemical Society*, 16 (4), pp. 387-393. Cited 1 time.  
ISSN: 13196103  
DOI: 10.1016/j.jscs.2011.02.003
381. Mistry, B.D., Desai, K.R., Patel, J.A., Patel, N.I.

Conventional and microwave-assisted synthesis of pyrazole derivatives and screening of their antibacterial and antifungal activities

(2012) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 51 (5), pp. 746-751.

ISSN: 03764699

CODEN: IJSBD

Document Type: Article

Source: Scopus

380. Joshi, M., Jauhari, S., Desai, K.R.  
Synthesis, Characterization and Dyeing Application of Heterocyclic Polymers in Nylon and Polyester  
(2012) *Polymer - Plastics Technology and Engineering*, 51 (8), pp. 761-765.

ISSN: 03602559

DOI: 10.1080/03602559.2012.663851

Document Type: Article

Source: Scopus

379. Raval, J.P., Naik, B.N., Desai, K.R.  
A convenient, rapid microwave-assisted synthesis of 2-substituted phenyl-2,3-dihydrobenzo[B][1,4]thiazepine-3-carboxamide derivatives and its antimicrobial activity  
(2012) *Phosphorus, Sulfur and Silicon and the Related Elements*, 187 (2), pp. 255-267.

ISSN: 10426507

DOI: 10.1080/10426507.2011.597800

Document Type: Article

Source: Scopus

378. Joshi, M., Jauhari, S., Desai, K.R.  
Studies on heterocyclic polyurea-epoxy resin condensation products  
(2012) *Research on Chemical Intermediates*, 38 (1), pp. 269-281.

ISSN: 09226168

CODEN: RCINE

DOI: 10.1007/s11164-011-0346-3

Document Type: Article

### **Year-2011**

377. Mistry, B.D., Desai, K.R., Rana, P.B.  
Conventional and microwave irradiation technique for the synthesis of some pyrimidine and pyrazoline derivative

from 1-{4'-[(4"-methylpiperazinyl)-diazanyl]phenyl}-3-(substitutedphenyl)prop-2-en-1-one and studies of their antimicrobial activity

(2011) *Journal of the Indian Chemical Society*, 88 (6), pp. 869-877.

ISSN: 00194522

CODEN: JICSA

Document Type: Article

Source: Scopus

376. Mistry, B.D., Desai, K.R., Rana, P.B.  
Conventional and microwave induced synthesis of various pyrimidine and isoxazole derivatives from 1-{4'-[(4"-methylpiperazinyl)diazanyl]phenyl}-3-(substitutedphenyl)prop-2-en-1-one and studies of their antimicrobial activity  
(2011) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 50 (4), pp. 627-633.  
ISSN: 03764699  
CODEN: IJSBD  
Document Type: Article  
Source: Scopus
375. Mistry, B.D., Desai, K.R., Patel, N.I.  
Eco-friendly microwave enhanced synthesis of pyrido[2,3-d]pyrimidine as well as pyrido[1,2-a]pyrimidine derivatives and studies of their antimicrobial activity  
(2011) *Journal of the Indian Chemical Society*, 88 (3), pp. 465-472.  
ISSN: 00194522  
CODEN: JICSA  
Document Type: Article
374. Joshi, M., Jauhari, S., Desai, K.R.  
Polyureas: Synthesis and characterization  
(2011) *International Journal of ChemTech Research*, 3 (1), pp. 29-32.  
Cited 1 time.  
ISSN: 09744290  
Document Type: Article  
Source: Scopus



## Year-2010

373. Raval, J.P., Patel, H.V., Patel, P.S., Desai, K.R.  
A convenient, rapid microwave assisted synthesis of some novel 3-[(4-chloro-3-methylphenoxy)methyl]-6-aryl-5,6-dihydro-[1,2,4]triazolo[3,4-b][1,3,4]thiadiazoles using acidic alumina (2010) *Journal of Saudi Chemical Society*, 14 (4), pp. 417-421. Cited 3 times.  
ISSN: 13196103  
DOI: 10.1016/j.jscs.2010.05.005  
Document Type: Article  
Source: Scopus
372. Rana, P.B., Patel, J.A., Mistry, B.D., Desai, K.R.  
Synthesis of various pharma based pyrido[2,3-d]pyrimidine as well as pyrido[1,2-a]pyrimidine and their antimicrobial activities (2010) *Journal of the Indian Chemical Society*, 87 (3), pp. 365-372. Cited 1 time.  
ISSN: 00194522  
CODEN: JICSA  
Document Type: Article  
Source: Scopus

## Year-2009

371. A rapid convenient microwave assisted and conventional synthesis of novel azetidin-2-one derivatives as potent antimicrobial agents  
Jignesh p Raval, hemul v Patel, Pradip s. Patel, Nilesh H.patel and kishor R.Desai.  
*Asian journal of research chem.* 2(2):april-june., 2009.
370. Raval, J.P., Desai, K.R.  
A comparative study of microwave-assisted and conventional synthesis of novel 2-(4-diethylamino-2-hydroxyphenyl)-3-substituted-thiazolidin-4-one derivatives (2009) *Chemija*, 20 (2), pp. 101-108. Cited 5 times.  
ISSN: 02357216  
Document Type: Article  
Source: Scopus

369. Rana, P.B., Patel, J.A., Mistry, B.D., Desai, K.R.  
Microwave and conventional techniques for the synthesis of a series of pyrazolo [5,4-d]-pyrimidine derivatives and their antimicrobial screening  
(2009) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 48 (11), pp. 1601-1608. Cited 2 times.  
ISSN: 03764699  
CODEN: IJSBD  
Document Type: Article  
Source: Scopus
368. Mistry, B.D., Desai, K.R., Rana, B.P.  
Conventional and microwave induced synthesis of various azetidinone derivatives from 3- {[ (1E)-2-chloro-7'-methoxyquinoline-primethylene] amino }-4-(substitutedphenyldiazenyl) phenols and their antimicrobial screening  
(2009) *Indian Journal of Heterocyclic Chemistry*, 19 (2), pp. 157-162. Cited 1 time.  
ISSN: 09711627  
Document Type: Article  
Source: Scopus
367. Patel, H.D., Mistry, B.D., Desai, K.R.  
Synthesis and antimicrobial studies of 4-oxo-thiazolidine derivatives  
(2009) *Journal of the Indian Chemical Society*, 86 (3), pp. 287-292.  
ISSN: 00194522  
CODEN: JICSA  
Document Type: Article

## **YEAR-2008**

366. Maroliwala, J.A., Naik, B., Desai, K.R.  
Ecofriendly microwave enhanced synthesis of imidazole derivatives containing coumarin moiety & their antimicrobial activity  
(2008) *Indian Journal of Heterocyclic Chemistry*, 17 (4), pp. 363-364. Cited 1 time.  
ISSN: 09711627  
Document Type: Article  
Source: Scopus

365. Desai, J.T., Desai, C.K., Desai, K.R.  
A convenient, rapid and eco-friendly synthesis of isoxazoline heterocyclic moiety containing bridge at 2°-amine as potential pharmacological agent  
(2008) *Journal of the Iranian Chemical Society*, 5 (1), pp. 67-73. Cited 10 times.  
ISSN: 1735207X  
Document Type: Article  
Source: Scopus
364. Lokhandwala, S.R., Desai, K.R.  
Synthesis and antimicrobial activity of substituted phenophosphazines  
(2008) *Phosphorus, Sulfur and Silicon and the Related Elements*, 183 (11), pp. 2678-2684.  
ISSN: 10426507  
DOI: 10.1080/10426500801968144  
Document Type: Article  
Source: Scopus
363. Patel, J.A., Mistry, B.D., Desai, K.R.  
Conventional and microwave induced synthesis of various azetidinone and thiazolidinone derivatives from 3-[(1E)-1-aza-2-(2-chloro-7-methoxy-3-quinolyl) vinyl]-4-(aryldiazenyl) phenol and their antimicrobial screening  
(2008) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 47 (11), pp. 1695-1700. Cited 1 time.  
ISSN: 03764699  
CODEN: IJSBD  
Document Type: Article  
Source: Scopus
362. Rana, P.B., Mistry, B.D., Desai, K.R.  
Green chemistry: Conventional and microwave induced synthesis of various thiazolidinone derivatives from 3-{{[(1E)-(2'-chloro-7'- methoxyquinoline-3'-yl)methylene]amino}-4-(substitutedphenyldiazenyl) phenol and their antimicrobial screening  
(2008) *Arkivoc*, 2008 (15), pp. 262-279. Cited 2 times.  
ISSN: 15517004  
Document Type: Article  
Source: Scopus

361. Raval, J.P., Desai, J.T., Desai, C.K., Desai, K.R.  
A comparative study of microwave assisted and conventional synthesis of  
2,3-dihydro-2-aryl-4-[4-(2-oxo-2Hchromen-  
3-yl)-1,3-thiazol-2-ylamino]-1, 5-benzothiazepines and its antimicrobial  
activity  
(2008) *Arkivoc*, 2008 (12), pp. 233-244. Cited 9 times.  
ISSN: 15517004  
Document Type: Article  
Source: Scopus
360. Lokhandwala, S.R., Desai, K.R.  
Novel organophosphorus compounds as potential antimicrobial agents  
(2008) *Phosphorus, Sulfur and Silicon and the Related Elements*, 183 (5),  
pp. 1264-1271. Cited 5 times.  
ISSN: 10426507  
DOI: 10.1080/10426500701640827  
Document Type: Article  
Source: Scopus

#### **YEAR-2007**

359. Microwave enhanced heterocyclization: A convenient procedure for  
antimicrobial 1,5-benzothiazepine compounds  
*Indian Journal of Chemistry (Sec-B)*, 2007, 46B,1179-1186  
Krunal Desai and K R DESAI

#### **YEAR-2006**

358. Microbial screening of novel synthesized formazans having amide  
linkages.  
*Journal of Heterocyclic Chemistry (U. S. A.)*, 2006, 43, 1084.  
Krunal G. Desai and Kishor R. Desai
357. Novel approach for heterocyclization: A clean and efficient synthesis and  
biological evaluation of 4-oxothiazolidines under microwave technique.  
*Journal of Saudi Chemical Society (SAUDI ARABIA)*, 2006, 9(3), 631-  
640.  
Krunal G. Desai and Kishor R. Desai
356. Esterification and hydrolysis under microwave irradiation,  
*Molbank* ([www.mdpi.org/molbank](http://www.mdpi.org/molbank)) (SWITZERLAND), March-2006,  
M475 (Mol File: [m477.mol](#)).

Krunal G. Desai and Kishor R. Desai

355. Microwave assisted esterification using  $\text{Fe}_2(\text{SO}_4)_2 \cdot 4\text{H}_2\text{O}$ /Concentrated  $\text{H}_2\text{SO}_4$  as efficient catalyst. Molbank ([www.mdpi.org/molbank](http://www.mdpi.org/molbank)) (SWITZERLAND), March-2006, M475 (Mol File: [m478.mol](#)).  
Krunal G. Desai, Kishor R. Desai and D. Padmanabhan
354. Naik, B., Desai, K.R.  
Novel approach for the rapid and efficient synthesis of heterocyclic Schiff bases and azetidinones under microwave irradiation  
(2006) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 45 (1), pp. 267-271. Cited 14 times.  
ISSN: 03764699  
CODEN: IJSBD  
Document Type: Article  
Source: Scopus
353. Desai, K.G., Desai, K.R.  
Green route for the heterocyclization of 2-mercaptobenzimidazole into  $\beta$ -lactum segment derivatives containing -CONH- bridge with benzimidazole: Screening in vitro antimicrobial activity with various microorganisms  
(2006) *Bioorganic and Medicinal Chemistry*, 14 (24), pp. 8271-8279.  
Cited 49 times.  
ISSN: 09680896  
CODEN: BMECE  
DOI: 10.1016/j.bmc.2006.09.017  
Document Type: Article  
Source: Scopus
352. Patel, J.A., Mistry, B.D., Desai, K.R.  
Synthesis of some novel 4-thiazolidinone compounds and their application as potential antimicrobial agent  
(2006) *Journal of the Indian Chemical Society*, 83 (10), pp. 1041-1043.  
Cited 3 times.  
ISSN: 00194522  
CODEN: JICSA  
Document Type: Article  
Source: Scopus

351. Desai, K.G., Raval, J.P., Desai, K.R.  
Neat reaction technology for the synthesis of 4-oxo-thiazolidines derived from 2-SH-benzothiazole and antimicrobial screening of some synthesized 4-thiazolidinones (2006) *Journal of the Iranian Chemical Society*, 3 (3), pp. 233-241. Cited 16 times.  
ISSN: 1735207X  
Document Type: Article  
Source: Scopus
350. Desai, K., Desai, K.  
A facile microwave enhanced synthesis of sulfur-containing 5-membered heterocycles derived from 2-mercaptobenzothiazole over ZnCl<sub>2</sub>/DMF and antimicrobial activity evaluation (2006) *Journal of Sulfur Chemistry*, 27 (4), pp. 315-328. Cited 15 times.  
ISSN: 17415993  
DOI: 10.1080/17415990600786409  
Document Type: Article  
Source: Scopus
349. Desai, K.G., Desai, K.R.  
Microbial screening of novel synthesized formazans having amide linkages (2006) *Journal of Heterocyclic Chemistry*, 43 (4), pp. 1083-1089. Cited 6 times.  
ISSN: 0022152X  
CODEN: JHTCA  
DOI: 10.1002/jhet.5570430440  
Document Type: Article  
Source: Scopus
348. Patel, R.B., Desai, K.R., Chikhaliya, K.H.  
Synthesis and studies of novel homoveratryl based thiohydantoins as antibacterial as well as anti-HIV agents (2006) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 45 (7), pp. 1716-1721. Cited 5 times.  
ISSN: 03764699  
CODEN: IJSBD  
Document Type: Article  
Source: Scopus

347. Mistry, K., Desai, K.R.  
Microwave assisted rapid and efficient synthesis of nitrogen and sulphur containing heterocyclic compounds and their pharmacological evaluation  
(2006) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 45 (7), pp. 1762-1766. Cited 23 times.  
ISSN: 03764699  
CODEN: IJSBD  
Document Type: Article  
Source: Scopus
346. Patel, R.B., Desai, P.S., Desai, K.R., Chikhaliya, K.H.  
Synthesis of pyrimidine based thiazolidinones and azetidinones: Antimicrobial and antitubercular agents  
(2006) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 45 (3), pp. 773-778. Cited 29 times.  
ISSN: 03764699  
CODEN: IJSBD  
Document Type: Article  
Source: Scopus
345. Patel, K.D., Mistry, B.D., Desai, K.R.  
Synthesis and antimicrobial activity of 2-aryl-3-[3'-(2''4'',6''-trichlorophenoxy)methyl]-5'-mercapto-1', 2',4'-triazol-4'-yl]-5-substituted-4-thiazolidinones  
(2006) *Journal of the Indian Chemical Society*, 83 (1), pp. 94-96. Cited 3 times.  
ISSN: 00194522  
CODEN: JICSA  
Document Type: Article

## **YEAR-2005**

344. Synthesis of some New Quinazoline derivatives and evolution of their antimicrobial activity.  
*Indian Journal of Heterocyclic Chemistry (Sec-B)*, 2005, 15,1693.  
K. R. Desai and V . M. Patel
343. Clean and efficient microwave solvent free synthesis of some antimicrobial compounds from 2-aminothiadiazine.  
*Indian Journal of Chemistry (Sec-B)*, 2005, 44B, 2158-2162.  
K. R. Desai and V . M. Patel

342. Rapid and efficient synthesis of some biological active 2-azetidinones under microwave irradiation.  
Indian Journal of Chemistry (Sec-B), 2005, 44B, 2093-2096.  
K. R. Desai and Krunal G. Desai
341. Synthesis of some novel pharmacologically active Schiffbases using microwave method and their derivatives formazans by conventional method.  
Indian Journal of Chemistry (Sec-B), 2005, 44B, 2097-2101.  
K. R. Desai and Krunal G. Desai
- 340.** Synthesis and application of new acid dyes.  
Chemistry an Indian journal, 2005, 2(9),312-315.  
Milind S. Desai ,Darshan shah, Kishor R. Desai
339. Microwave Assisted Rapid and Efficient Synthesis & Pharmacological evaluation of 1,5-benzothiazepine.  
Journal of Saudi Chemical Society, 2005, 9(2), 381-386  
K. R. Desai and K. M. Mistry
338. Microwave Assisted Rapid Heterocyclization: Synthesis and Antimicrobial Screening of 4-(3H)-Quinazolone containing Schiff Base and Azetidinone by Niementowski reaction.  
Chemistry: An Indian Journal, 2005, 2(5)  
K. R. Desai and A. R. Desai
337. Synthesis and Characterization of Novel Colored Polyurethanes.  
International Journal of Polymeric materials, 2005, 54, 519-526  
K. R. Desai, M. G. Patel and H. S. Patel
336. Synthesis of pyrazolo imines and azetidinone compounds using conventional and microwave technique and studies of their antibacterial activity.  
Indian Journal of Chemistry, 44B, 2005, 1452-1455  
K R Desai & Ketan Mistry
335. Synthesis and characterization of colored poly(urethane-urea)  
International Journal of polymeric material, 2005, 54, 775-782  
K. R. Desai, M. G. Patel and H. S. Patel
334. Synthesis and characterization of colored Polyureas.  
International Journal of polymeric material, 2005, 54, 767-773.



K. R. Desai, M. G. Patel and H. S. Patel

333. Studies on Synthesis of Some New Chalcone and Pyrimidines and their Antibacterial Activity.  
E-Journal of Chemistry, 2005, 2(7), 152-156.  
K. R. Desai and K. M. Mistry.
332. Microwave Assisted Synthesis of New Quinazolinones and their pharmacological Evaluation.  
Chemistry: An Indian Journal. 2005, 2(2), 47-51.  
K. R. Desai and K. M. Mistry.
331. Microwave-induced synthesis of fluorine containing 1,5-disubstituted hydantoins and thiohydantions and their antibacterial activity  
Indian J. Chem. 2005, 44B, 1084-1087.  
K. R. Desai and V. M. Patel.
330. Synthesis and antimicrobial activity of new triazolopyridinyl phenothiazines.  
ARKIVOC, 2005, (Xiii), 21-28.  
K. R. Desai and J. P. Raval.
329. Niementowski Reaction: microwave induced and conventional synthesis of quinazolinones and 3-methyl-1H-5-pyrazolones and their antimicrobial activity.  
ARKIVOC, 2005, (Xiii), 98-108.  
K. R. Desai and A. R. Desai.
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