

## CURRICULUM-VITAE

- NAME** : VINOD KUMAR  
**DESIGNATION** : Professor  
**POSTAL ADDRESS (O)** : Room No. 112, Academic Block-1,  
 Department of Chemistry, School of Basic Sciences  
 Central University of Haryana, Mahendergarh, Haryana,  
 INDIA 123031  
**E-MAIL ADDRESS** : [hodchemistry@cuh.ac.in](mailto:hodchemistry@cuh.ac.in), [vinodkumar@cuh.ac.in](mailto:vinodkumar@cuh.ac.in)  
**CONTACT NOS.** : 91-1285-260159 (O), 91-8059444494 (M)
- ADMINISTRATIVE POSITION(S)** (current) : **Dean**, School of Basic Sciences, CUH  
**Head**, Department of Chemistry, CUH  
**Deputy Proctor**, Central University of Haryana
- EDUCATION**
- 2002-2006** : Ph.D. (Chemistry), K. U. Kurukshetra, Haryana, India  
**Thesis Title:** "Heterocyclic Compounds: Synthesis and NMR Spectral Studies of Some Azoles"  
**July, 2001** : NET conducted by CSIR-UGC, New Delhi, India  
**1999-2001** : M.Sc. (Chemistry), with 1<sup>st</sup> Division, K. U. Kurukshetra, Haryana, India  
**1996-1999** : B.Sc. (Chem. Hons.) with 1<sup>st</sup> Division, K. U. Kurukshetra, Haryana, India

### **EXPERIENCE[TEACHING & RESEARCH] >14 Years**

#### **HONORS/ AWARDS/GRANTS**

- 2017** : **Haryana Yuva Vigyan Ratna Award** presented by the then Hon'ble Governor of Haryana, Hon'ble Chief Minister, Haryana, and Hon'ble Science & Technology Minister, Haryana  
**2017** : **Professor R. C. Shah Memorial Lecture Award** of ISCA at SV University, Tirupati, AP  
**2007** : **ISCA Young Scientist Award**, presented by the then Hon'ble President of India in the field of Chemical Sciences  
**2014** : Research Grant of **Rs 31 lacs** sanctioned by **ICMR** (as **Co-PI**)  
**2012** : Invited as a **Foreign Expert** (duration Jul. - Sep. 2012), by Korea Atomic Energy Research Institute, South Korea

#### **RESEARCH AREAS**

Heterocyclic Chemistry (Five and six-membered heterocycles), Green Chemistry, Medicinal Chemistry, Process Development

#### **Specific research interests:**

- Synthesis of new biologically potent heterocycles (anticancer, anti-inflammatory, antibacterial, antifungal agents, etc.)
- To study mechanistic aspects involved in formation of heterocycles
- To explore the chemistry of reagents in organic synthesis
- To study NMR spectral characteristics of heterocycles

- To explore the utility of Solid-Phase syntheses

### RESEARCH GUIDANCE

- Supervised **4** Ph.D. + **1** M.Phil. + **41** M.Sc. students for their thesis/dissertation work

### OTHER INSTITUTIONAL RESPONSIBILITIES HELD/ONGOING

Member, Executive Council, Central University of Haryana (**2021 –**)

Member, University Court, Central University of Haryana (**2021 –**)

Member, Academic Council, Central University of Haryana (**2018 –**)

Member, Sports Council (**2018 -2020**)

Incharge, University Guest House and Guest House Kitchen (**May 2019 –Jan 2021**)

Co-Convener, Centre for Innovation, Skills and Entrepreneurship Development (CISED), Central University of Haryana (**June 2020-Dec. 2020**)

Member, NAAC committee at Institute level in MN College (**2018**)

### MEMBERSHIPS

- Indian Science Congress Association
- Vigyan Bharti or VIBHA
- Vidyarthi Vigyan Manthan

### EDITORIAL MEMBER/REVIEWER/GUEST EDITOR OF THE JOURNALS/BOOKS

- Serving more than 40 journals of Royal Society, Elsevier, Hindawi, Springer, Bentham, Taylor Francis and other publishers.

### PUBLICATIONS:

I) PATENTS (GRANTED 02, PUBLISHED 03) /COPYRIGHTS (01)

II) BOOKS (02 international) /BOOKS' CHAPTERS (01 international)

#### **Books:**

“**Pericyclic Reactions: A Mechanistic and Problem Solving Approach**”, ISBN: 978-012-8036402, 978-012-8036400, **September 2015**, 1<sup>st</sup> edition, *Academic Press, London*, An imprint of *Elsevier*.

“**Chemical Drug Design**” published in **Oct, 2016**, ISBN: 978-3-11-036882-6 (publisher *De Gruyter*, Berlin, Germany)

**Book Chapters:** Solid phase synthesis and computational study of some thiazole derivatives of potential biological interest, G. K. Gupta, V. Saini, R. Khare, V. Kumar, S. Singh and K. Kaur, **Industrial, medical and environmental applications of microorganisms: Current status and trends**, Wageningen Academic Publishers, The Netherlands, ISBN: 978-90 -8686-243-6, pp590-594, **2014**.

### III) RESEARCH PAPERS

Published: **89** (82 International + 07 National)

Total Impact Factor = >**185**

h - Index =**22**,

Total Citations: **2071**(Google Scholar)

I - 10 index = **39**

### List of Some Selected Research Publications:

Sr. No.	Title, Authors, Year, Vol (Issue) and Page Nos.	Journal Name (Publisher) ISSN	Peer Reviewed/ Scopus/UGC Listed Impact Factor, if any
1.	Experimental and Computational Validation of Structural features and BSA binding tendency of 5-hydroxy-5-trifluoromethyl-3-arylpyrazolines, R. Kataria, D. Vashisht, P. Rani, J. Sindhu, S. Kumar, S. Sharma, S. C. Sahoo, <b>V. Kumar</b> and S.K. Mehta, Oct. <b>2021</b> , doi.org/10.1002/slct.202102669	<i>ChemistrySelect</i> <b>(Wiley)</b> 2365-6549	<b>2.109</b>
2.	Methyl linked pyrazoles: Synthetic and Medicinal Perspective, T. Sharma, J. Singh, B. Singh, R. Kataria and <b>V. Kumar</b> , Sept. <b>2021</b> . DOI: 10.2174/1389557521666210914124914	<i>Mini-Reviews in Medicinal Chemistry</i> <b>(Bentham)</b> 1875-5607	<b>3.862</b>
3.	A greener, mild and efficient bioprocess for the pretreatment and saccharification of rice straw, Anu, <b>V. Kumar</b> , D. Singh and B. Singh, March <b>2021</b> . DOI:10.1007/s13399-021-01450-9.	<i>Biomass Conversion and Biorefinery</i> <b>(Springer-Verlag)</b> 2190-6815	<b>4.987</b>
4.	Synthesis, structural and pharmacological exploration of 2-(3, 5-dimethyl-1H-pyrazol-1-yl)-acetophenone oximes and their silver complexes, T. Sharma, R. Kumar, S. C. Sahoo, J. Sindhu, J. Singh, B. Singh, S. K. Mehta, A. Umar, T. S. Saini, <b>V. Kumar</b> , R. Kataria, Jan <b>2021</b> , 195, 114972. <a href="https://doi.org/10.1016/j.poly.2020.114972">https://doi.org/10.1016/j.poly.2020.114972</a> .	<i>Polyhedron</i> <b>(Elsevier)</b> 0277-5387	<b>3.052</b>
5.	Cellulosic and hemicellulosic fractions of sugarcane bagasse: Potential, challenges and future perspective, Alokika, Anua, A. Kumar, <b>V. Kumar</b> , B.Singh, Jan <b>2021</b> , 169, 564–582. <a href="https://doi.org/10.1016/j.ijbiomac.2020.12.175">https://doi.org/10.1016/j.ijbiomac.2020.12.175</a> .	<i>International Journal of Biological Macromolecules</i> , <b>(Elsevier)</b> 0141-8130	<b>6.953</b>
6.	Exploration of synthesis, structural aspects, DFT studies and bio-efficacy of some new DHA-benzohydrazide based copper(II) complexes, Richa , S. Kumar, J. Sindhu, P. Choudhary, S. Jaglan, E. Zangrando, R. Kumar, S. C. Sahoo, <b>V. Kumar</b> , S. K. Mehta and R. Kataria, <b>2021</b> , 1228, 129460. <a href="https://doi.org/10.1016/j.molstruc.2020.129460">https://doi.org/10.1016/j.molstruc.2020.129460</a> .	<i>Journal of Molecular Structure</i> <b>(Elsevier)</b> 0022-2860	<b>3.196</b>
7.	Production of cellulolytic enzymes by <i>Myceliophthora thermophila</i> and their applicability in saccharification of rice straw, Anu, A. Kumar, D. Singh, <b>V. Kumar</b> and Bijender Singh, June <b>2020</b> , DOI 10.1007/s13399-020-00783-1.	<i>Biomass Conversion and Biorefinery</i> <b>(Springer-Verlag)</b> 2190-6815	<b>4.987</b>
8.	Synthesis, characterization, antibacterial and DNA photocleavage study of 1-(2-Arenethyl)-3, 5-dimethyl-1 H -pyrazoles, T. Sharma , Vinit, Sakshi, S. Bawa, V. Kumar, J. Singh, R. Kataria, B. Singh and <b>V. Kumar</b> , May <b>2020</b> , 28, 100408.	<i>Chemical Data Collections</i> <b>(Elsevier)</b> 2405-8300	<b>2.2</b> IS
9.	Development of an off-on selective fluorescent sensor for the detection of Fe <sup>3+</sup> ions based on Schiff base and its Hirshfeld surface and DFT studies, G. Singh, J. Sindhu, Manisha, <b>V. Kumar</b> , V. Sharma, S. K. Sharma, S. K. Mehta, M. H. Mahnashi, A. Umar and R. Kataria, Oct. <b>2019</b> , 296, 111814	<i>Journal of Molecular Liquids</i> <b>(Elsevier)</b> 0167-7322	<b>6.165</b>
10.	Cinnamaldehyde regulates H <sub>2</sub> O <sub>2</sub> -induced skeletal muscle atrophy by ameliorating the proteolytic and antioxidant defense systems, N. Kaur, P. Gupta, V. Saini, S. Sherawat, S. Gupta, A. Dua, <b>V. Kumar</b> , E. Injeti and A. Mittal, May <b>2019</b> , 234(5), 6194-6208. DOI: 10.1002/jcp.27348.	<i>Journal of Cellular Physiology</i> , <b>(Wiley)</b> 1097-4652	<b>6.384</b>
11.	Probing gallic acid for its broad spectrum applications, S. Choubey, S. Goyal, L. R. Varughese, V. Kumar, A. K. Sharma and V. Beniwal, <b>2018</b> , 18(15), 1283-1293 <b>DOI</b> : 10.2174/1389557518666180330114010.	<i>Mini-Reviews in Medicinal Chemistry</i> <b>(Bentham)</b> 1875-5607	<b>3.862</b>

12.	Some Important Dietary Polyphenolic Compounds: An Anti-inflammatory and Immunoregulatory Perspective, M. Kinger, S. Kumar and <b>V. Kumar</b> , <b>2018</b> , 18(15), 1270-1282. doi: 10.2174/1389557517666170208143410	<i>Mini-Reviews in Medicinal Chemistry</i> <b>(Bentham)</b> 1875-5607	<b>3.862</b>
13.	Phenols and Polyphenols: Promise and Peril to Human Health, <b>V. Kumar</b> and V. Beniwal, <b>2018</b> , 18 (15), 1242-1243. DOI: 10.2174/138955751815180808124616	<i>Mini-Reviews in Medicinal Chemistry</i> <b>(Bentham)</b> 1875-5607	<b>3.862</b>
14.	Design, synthesis, DFT, docking studies and ADME prediction of some new coumarinyl linked pyrazolylthiazoles: Potential standalone or adjuvant antimicrobial agents, Sunil Kumar, Vikram Saini, Indresh K. Maurya, Jayant Sindhu, Mukesh Kumari, Ramesh Kataria, <b>Vinod Kumar</b> , <b>2018</b> , 13(4), e0196016. <a href="https://doi.org/10.1371/journal.pone.0196016">https://doi.org/10.1371/journal.pone.0196016</a>	PLoS ONE 1932-6203	<b>3.24</b>
15.	(Diacetoxyiodo)Benzene Mediated Fused 1,2,4-Triazole Derivatives: Synthetic and Medicinal Perspective, <b>V. Kumar</b> , M. Kumar and S. Kumar, <b>2019</b> , 16(1), 12-25. DOI : 10.2174/1570193X15666180406142116	<i>Mini-Review in Organic Chemistry</i> <b>(Bentham)</b> 1875-6298	<b>2.459</b>
16.	Synthesis of some novel oxazolidinone-thiazole hybrids as potential antimicrobial, antioxidant and UV mediated DNA damage protecting agents, K. Kaur, <b>V. Kumar</b> , V. Beniwal, V. Kumar, K.R Aneja, V. Sharma and S. Jaglan, <b>2016</b> , 25, 2237-2249. DOI: 10.1007/s00044-016-1663-2.	<i>Medicinal Chemistry Research</i> <b>(Springer)</b> 1554-8120	<b>1.965</b>
17.	Novel ( <i>E</i> )-1-aryl-2-(3,5-dimethyl-4-(aryldiazenyl)-1H-pyrazol-1-yl)ethanones: Solvent free synthesis, antimicrobial, antioxidant and UV mediated DNA damage protective activity studies, K. Kaur, <b>V. Kumar</b> , V. Beniwal, V. Kumar, K.R Aneja, V. Sharma and S. Jaglan, <b>2015</b> , 24 (12), 4023-4036. DOI 10.1007/s00044-015-1452-3.	<i>Medicinal Chemistry Research</i> <b>(Springer)</b> 1554-8120	<b>1.965</b>
18.	Solvent-free synthesis of novel ( <i>E</i> )-2-(3,5-dimethyl-4-(aryldiazenyl)-1H-pyrazol-1-yl)-4-arylthiazoles: determination of their biological activity, K. Kaur, <b>V. Kumar</b> , V. Beniwal, V. Kumar, K.R Aneja, V. Sharma and S. Jaglan, <b>2015</b> , 24 (11), 3863-3875, DOI 10.1007/s00044-015-1429-2.	<i>Medicinal Chemistry Research</i> <b>(Springer)</b> 1554-8120	<b>1.965</b>
19.	Fluorinated Isoxazoline and isoxazoles: A Synthetic Perspective, <b>V. Kumar</b> and K. Kaur, <b>2015</b> , 180, 55-97.	<i>Journal of Fluorine Chemistry</i> <b>(Elsevier)</b> 0022-1139	<b>2.050</b>
20.	Trifluoromethylpyrazoles as anti-inflammatory and antibacterial agents: A review, K. Kaur, <b>V. Kumar</b> and G. K. Gupta, <b>2015</b> , 178, 306-326.	<i>Journal of Fluorine Chemistry</i> <b>(Elsevier)</b> 0022-1139	<b>2.050</b>
21.	Medicinal importance of gallic acid and its ester derivatives: a patent review, S. Choubey, L. R. Varughese, <b>V. Kumar</b> and V. Beniwal, <b>2015</b> , 4(4), 305-315.	<i>Pharmaceutical Patent Analyst</i> <b>(Future Science)</b> ISSN 2046-8954	<b>2.321</b>
22.	Synthesis of some pyrazolylaldehyde <i>N</i> -isonicotinoyl hydrazones and 2, 5-disubstituted 1,3,4-oxadiazoles as DNA photocleaving agents, M. Kumar, <b>V. Kumar</b> and V. Beniwal, <b>2015</b> , 24(7),2862-2870. doi 10.1007/s00044-015-1340-x.	<i>Medicinal Chemistry Research</i> <b>(Springer)</b> 1554-8120	<b>1.965</b>
23.	Biodegradation aspects of carbendazim and sulfosulfuron: Trends, scope and relevance, R. Arya, M. Malhotra, <b>V. Kumar</b> and A. K. Sharma, <b>2015</b> , 22(9), 1147-1155.	<i>Current Medicinal Chemistry</i> <b>(Bentham)</b> 1875-533X	<b>4.53</b>
24.	Synthesis, antibacterial evaluation and SAR study of some novel 3-Aryl/Heteroaryl-9-methyl-1,2,4-triazolo[4,3- <i>a</i> ]-quinoline derivatives, M. Kumar, <b>V. Kumar</b> and G. K. Gupta, <b>2015</b> , 24, 1857-1868., DOI:10.1007/s00044-014-1254-z.	<i>Medicinal Chemistry Research</i> <b>(Springer)</b> 1554-8120	<b>1.965</b>
25.	Synthesis, docking study and DNA photo cleavage activity of some pyrimidinyl	<i>Medicinal Chemistry</i>	<b>1.965</b>

	hydrazones and 3-(Quinolin-3-yl)-5,7-dimethyl-1,2,4-triazolo-[4,3- <i>a</i> ]pyrimidine derivatives, A. Sharma, <b>V. Kumar</b> , R. Khare, G. K. Gupta and V. Beniwal, <b>2015</b> , 24, 1830-1841, DOI:10.1007/s00044-014-1265-9.	<i>Research (Springer)</i> 1554-8120	
26.	Triazole and Oxadiazole containing natural products: A review, <b>V. Kumar</b> and K. Kaur, <b>2014</b> , 4, 115-130.	<i>The Natural Products Journal (Bentham)</i> 2210-3163	Yes
27.	Design, regioselective synthesis and cytotoxic evaluation of Novel 2-aminoimidazole-quinoline hybrids against cancer and primary endothelial cells, K. Singh, V. Verma, K. Yadav, V. Sreekanth, D. Kumar, A. Bajaj and <b>V. Kumar</b> , <b>2014</b> , 87, 150-158.	<i>European Journal of Medicinal Chemistry (Elsevier)</i> 0223-5234	<b>6.514</b>
28.	Synthesis and biological evaluation of some 2-(3,5-dimethyl-1 <i>H</i> -pyrazol-1-yl)-1-arylethanones: Antibacterial, DNA photocleavage cleavage, and Anticancer activities, <b>V. Kumar</b> , K. Kaur, D. N. Karelia, V. Beniwal, G. K. Gupta, A. K. Sharma and A. K. Gupta, <b>2014</b> , 81, 267-276.	<i>European Journal of Medicinal Chemistry (Elsevier)</i> 0223-5234	<b>6.514</b>
29.	DHA: An excellent source of bioactive heterocycles, G. K. Gupta, A. Mittal and <b>V. Kumar</b> , <b>2014</b> , 11, 273-286.	<i>Letters in Organic Chemistry (Bentham)</i> 1875-6255	<b>0.867</b>
30.	1, 4-Diaryl-2-mercaptoimidazoles as a novel class of antimicrobial agents: Design, synthesis and computational studies, G. K. Gupta, V. Saini, R. Khare and <b>V. Kumar</b> , <b>2014</b> , 23, 4209-4220, DOI 10.1007/s00044-014-0994-0.	<i>Medicinal Chemistry Research (Springer)</i> 1554-8120	<b>1.965</b>
31.	Synthesis, characterization and DNA photocleavage study of dehydroacetic acid based tridentate Schiff base and its metal complexes of first transition series, R. Pal, <b>V. Kumar</b> , A. K. Gupta and V. Beniwal, <b>2014</b> , 23, 4060-4069. DOI:10.1007/s00044-014-0986-0.	<i>Medicinal Chemistry Research (Springer)</i> 1554-8120	<b>1.965</b>
32.	Isoxazoline containing natural products as anticancer agents: A review, K. Kaur, <b>V. Kumar</b> , G. K. Gupta and A. K. Sharma, <b>2014</b> , 77, 121-133.	<i>European Journal of Medicinal Chemistry (Elsevier)</i> 0223-5234	<b>6.514</b>
33.	Synthesis, characterization and DNA photocleavage study of a novel dehydroacetic acid based hydrazone Schiff's base and its metal complexes, R. Pal, <b>V. Kumar</b> , A. K. Gupta and V. Beniwal, <b>2014</b> , 23(7), 3327-3335.	<i>Medicinal Chemistry Research (Springer)</i> 1554-8120	<b>1.965</b>
34.	Poly(vinylbenzylsulfonic acid)-grafted poly(ether ether ketone) membranes, M. L. Hwang, J. Choi, H. S. Woo, <b>V. Kumar</b> , J. Y. Sohn and S. Junhwa, <b>2014</b> , 321, 59-65.	<i>Nuclear Instrumentation of Physics: Method B (Elsevier)</i> 0168-583X	<b>1.4</b>
35.	4-Fluorophenylhydrazones as potential Cox II inhibitors: A mild, efficient, one pot solid phase synthesis and docking study, <b>V. Kumar</b> , G. Kumar Gupta, K. Kaur and R. Singh, <b>2013</b> , 22(12), 5890-5900.	<i>Medicinal Chemistry Research (Springer)</i> 1554-8120	<b>1.965</b>
36.	Developments in synthesis of the anti-inflammatory drug, Celecoxib: A review, <b>V. Kumar</b> , K. Kaur, G. K. Gupta, A. K. Gupta and S. Kumar, <b>2013</b> , 7, 124-134.	<i>Recent Patents on Inflammation &amp; Allergy Drug Discovery (Bentham)</i> 2212-2710	<b>3.2 CI</b>
37.	Pyrazole containing natural products: Synthetic preview and biological significance (A Review), <b>V. Kumar</b> , K. Kaur, G. K. Gupta and A. K. Sharma, <b>2013</b> , 69, 735-753.	<i>European Journal of Medicinal Chemistry (Elsevier)</i> 0223-5234	<b>6.514</b>

38.	Iron regulation in tuberculosis research: Promise and Challenges: A Review, A. K. Sharma, R. Naithani, <b>V. Kumar</b> and S. S. Sandhu, <b>2011</b> , 18, 1723-1731.	<i>Current Medicinal Chemistry</i> <b>(Bentham)</b> 1875-533X	<b>4.530</b>
39.	Synthetic approaches towards 5-aminopyrazoles: A review, R. Aggarwal, <b>V. Kumar</b> , R. Kumar and S. P. Singh, <b>2011</b> , 7, 179-197.	<i>Beilstein Journal of Organic Chemistry</i> <b>(Beilstein Institut, Germany)</b> 1860-5397	<b>2.883</b>
40.	The reaction of hydrazines and hydroxylamine with trifluoromethyl- $\beta$ -diketones: Synthesis of trifluoromethylpyrazole and isoxazole derivatives (A review), <b>V. Kumar</b> , R. Aggarwal, S. P. Singh, <b>2008</b> , 75(12), 2893-2929.	<i>Heterocycles</i> <b>(Elsevier)</b> 0385-5414	<b>0.831</b>
41.	A facile and rapid one-pot synthesis of 1,4-diaryl-2-mercaptoimidazoles under solvent-free conditions, R. Aggarwal, R. Kumar, <b>V. Kumar</b> , <b>2007</b> , 28(6) 617-623.	<i>Journal of Sulfur Chemistry</i> <b>(Taylor &amp; Francis)</b> 1741-6000	<b>2.680</b>
42.	Pyrazolo[1,5- <i>a</i> ]pyrimidines. A combined multinuclear magnetic resonance ( $^1\text{H}$ , $^{13}\text{C}$ , $^{15}\text{N}$ , $^{19}\text{F}$ ) and DFT approach to their structural assignment, D. Sanz, R. M. Claramunt, A. Saini, <b>V. Kumar</b> , R. Aggarwal, S. P. Singh, I. Alkorta, J. Elguero, <b>2007</b> , 45, 513-517.	<i>Magnetic Resonance in Chemistry</i> <b>(Wiley)</b> 1097-458X	<b>2.447</b>
43.	The reaction of aryl and heteroarylhydrazines aryltrifluoromethyl- $\beta$ -diketones, S. P. Singh, <b>V. Kumar</b> , R. Aggarwal and J. Elguero, <b>2006</b> , 43, 1003-1014	<i>Journal of Heterocyclic Chemistry</i> <b>(Wiley)</b> 1943-5193	<b>2.193</b>
44.	The reaction of hydroxylamine with aryl-trifluoromethyl- $\beta$ -diketones: Synthesis of 5-hydroxy-5-trifluoromethyl- $\Delta^2$ -isoxazolines and their dehydration to 5-trifluoromethylisoxazoles, <b>V. Kumar</b> , R. Aggarwal and S. P. Singh; <b>2006</b> , 127, 880-888.	<i>Journal of Fluorine Chemistry</i> <b>(Elsevier)</b> 0022-1139	<b>2.050</b>
45.	Synthesis and antibacterial activity of new 1-heteroaryl-5-amino-3-H/methyl-4-phenylpyrazoles, R. Aggarwal, <b>V. Kumar</b> , P. Tyagi and S. P. Singh, <b>2006</b> , 14(6), 1785-1791.	<i>Bioorganic and Medicinal Chemistry</i> <b>(Elsevier)</b> 0968-896	<b>3.641</b>
46.	Synthesis and antibacterial activity of some new 1-heteroaryl-5-amino-4-phenyl-3-trifluoromethyl-pyrazoles, <b>V. Kumar</b> , R. Aggarwal, P. Tyagi and S. P. Singh, <b>2005</b> , 40(9), 922-927.	<i>European Journal of Medicinal Chemistry</i> <b>(Elsevier)</b> 0223-5234	<b>6.514</b>
47.	The structure of the products of condensation of hydroxylamine with trifluoromethyl- $\beta$ -diketones: Assignments of the diastereotopic protons of the 4-methylene group in 5-hydroxy-5-trifluoromethyl- $\Delta^2$ -isoxazolines, D. Sanz, R. S. Claramunt, S. P. Singh, <b>V. Kumar</b> , R. Aggarwal, J. Elguero and I. Alkorta, <b>2005</b> , 43(12), 1040-1043.	<i>Magnetic Resonance in Chemistry</i> <b>(Wiley)</b> 1097-458X	<b>2.447</b>

#### IV) CONFERENCES/SEMINARS/WORKSHOPS (45)

Paper Presented (14), Workshops (14), Conferences/Seminars (17)

The information given above is true to the best of my knowledge.

( Dr. Vinod Kumar)