

Prof. Dr. Sambasivarao Kotha, FNASc, FASc, FRSC, FNA

Professor, Department of Chemistry, IIT-Bombay

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DOB/Place: 10.10.1957/Amarthalur, Guntur Dt. A. P.

Education/Professional Qualifications

Degree	Subject	Class	Year	University
B. Sc.	Chem, Phy, & Math	First	1977	Nagarjuna University, Guntur
M. Sc.	Chemistry	First	1979	University of Hyderabad
Ph. D.	Chemistry		1985	University of Hyderabad

Positions held earlier (in chronological order)

	Period		Place of Employment	Designation
	From	To		
1	Feb 2001	Present	IIT Bombay	Professor
2	Sept 19, 2011	Sept 18, 2020	IIT Bombay	P. C. Chair Professor
3	July 1997	Feb 2001	IIT Bombay	Associate Professor
4	Jan 1994	July 1997	IIT Bombay	Assistant Professor
5	Jan 1992	Dec 1993	Hoechst, TX	Research Chemist II
6	Jan 1990	Dec 1991	Cornell Uni. NY	Visiting Scientist
7	April 1987	Dec 1989	Wisconsin Uni. WI	Research Associate
8	April 1986	April 1987	UMIST Manchester, UK	Research Associate

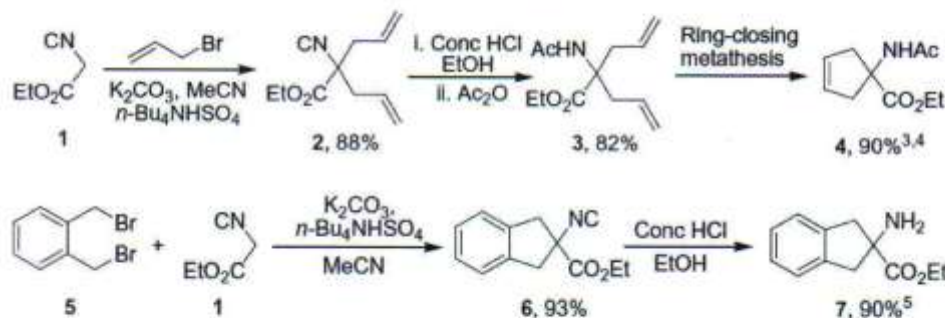
Publications 320 (H-index 54) 9163 Citations

Research Interests: *Organic Synthesis-New Synthetic Methods:* Unusual amino acids, Peptide Modification, Suzuki cross-coupling, Metathesis, [2+2+2] cycloaddition, Chemistry of benzocyclobutene, and theoretically interesting molecules.

Experience 42 years of research experience, 2 years of industrial experience
32 years of teaching experience, Consultant to Dr. Reddy's (process research, 2006-07).
Ph. D. work with Prof. G. Mehta-Chemistry of caged molecules
UMIST work with Prof. R. Stoodley-Synthesis of anthracyclines
Wisconsin work with Prof. J. Cook-Synthesis of polyquinanes
Cornell work with Prof. A. Kuki-Synthesis of Aib rich peptides
Hoechst work-Bulk drugs, Asymmetric synthesis, NSAID.

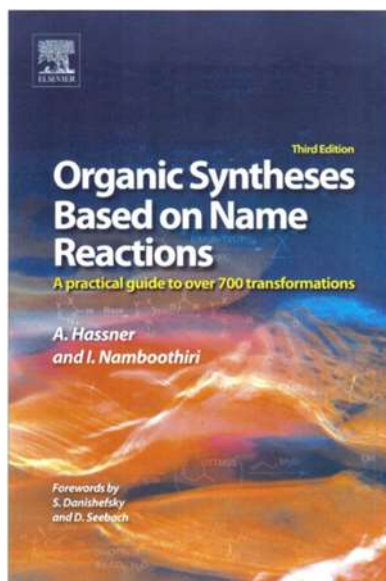
KOTHA-SCHÖLLKOPF Glycine Equivalent

Ethyl isocyanoacetate (EICA) **1**, as a glycine equivalent, leading to substituted acyclic or cyclic α -amino acids or derivatives **3**, **4**, **7**; proceeds by reaction of **1** with C-electrophiles in the presence of common bases (e.g. NaH, *t*-BuOK, *n*-BuLi, DBU and Et₃N) to furnish dialkylated isocyanate esters **2**, **6**. The latter are hydrolyzed to α -amino acids. Improved method for dialkylation of **1** with K₂CO₃ and a PTC (tetrabutylammonium hydrogen sulfate, TBAHS).^{5,6} Compare with Schöllkopf or with Williams-Ben-Ishai.



Amino acid (7).⁵ To **1** (0.5 mmol) in 20 mL MeCN were added finely powdered K₂CO₃ (3 mmol), TBAHS (0.1 mmol), and α,α' -dibromo-*o*-xylene **5** (0.5 mmol). The mixture was heated at 70–80 °C until **5** was consumed (TLC). Filtration, washing of the solid with MeCN, filtrate evaporation and chromatography afforded isocyanoeester **6** (93%). To the latter (0.16 mmol) in 5 mL abs EtOH at r.t. was added a few drops of conc HCl and after a few hours stirring the solution was evaporated. The resulting HCl salt in H₂O was washed with ether and NH₄OH was added to the aq layer to pH 9–10. Extraction with EA and workup gave **7** (90%).

1	Schöllkopf U	<i>Chem Ber</i>	1975	108	1580
2	Woodward R	<i>Syn Comm</i>	1985	15	267
3	Kotha S	<i>Bioorg Med Chem Lett</i>	1998	8	257
4	Kotha S	<i>Tet Lett</i>	1998	39	4095
5	Kotha S	<i>J Org Chem</i>	2000	65	1359
6R	Kotha S	<i>Acc Chem Res</i>	2003	36	342
7	Kobayashi Y	<i>Chem Eur J</i>	2004	10	617
8	Tanaka M	<i>J Am Chem Soc</i>	2005	127	11570
9	Cativiela C	<i>Tetrahedron</i>	2007	63	5056
10R	Kotha S	<i>Synlett</i>	2010		337



Prof. Kotha's 20 best publications

20. S. Kotha, M. Meshram, V. R. Aswar
Application of ring-rearrangement metathesis in organic synthesis: A grand design
Tetrahedron Lett. Digest, 60, 151337, 2019
19. S. Kotha, M. Meshram
Development of new synthetic strategies, tactics and their applications.
Chemical Record, 19, 2480, 2019
18. S. Kotha, M. Meshram, N. R. Panguluri, V. Shah, T. Saidulu, M. E. Shirbhate
Synthetic approaches to star-shaped molecules with 1,3,5-trisubstituted aromatic cores
Chem. Asian J., 14, 1356, 2019. (Mini Review, 30% work is our own)
17. S. Kotha, M. Meshram, N. R. Panguluri
Advanced approaches to post-assembly modification of peptides by transition-metal-catalyzed reactions
Synthesis 51, 1913, 2019. (Short Review, Account)
16. S. Kotha, P. Khedkar, Y. Dommaraju
Synthetic application of ronalite: A green tool in the service of Diels–Alder chemistry and beyond
Tetrahedron Lett. Digest 60, 631, 2019 (Personal account)
15. S. Kotha, M. Meshram, Y. Dommaraju
Design and synthesis of polycycles, heterocycles and macrocycles *via* strategic utilization of ring-closing metathesis.
Chemical Record, 18, 1613, 2018. (Account of our work)
14. S. Kotha, K. Lahiri, G. Sreevani
Design and synthesis of aromatics through [2+2+2] cyclotrimerization.
Synlett 29, 2342, 2018. (Account of our work)
13. S. Kotha, M. Meshram, Ch. Chandravathi
Synergistic approach to polycycles through Suzuki–Miyaura cross-coupling and metathesis as key steps.
Beilstein J. Org. Chem. 14, 2468, 2018. (Account of our work)
12. S. Kotha, M. Meshram
Application of organometallics in organic synthesis
J. Organomet. Chem., 874, 13, 2018. (Account of our work)
11. S. Kotha, M. Meshram
Application of Claisen rearrangement and olefin metathesis in organic synthesis
Chem. Asian J., 13, 1758, 2018. (Focus Review, Personal account)
10. S. Kotha, N. R. Panguluri, R. Ali
Design and synthesis of spirocycles
Eur. J. Org. Chem., 5316, 2017. (Micro Review, Account of our work)
09. S. Kotha, Ch. Chandravathi
Application of Fischer indolization under green conditions using deep eutectic solvents.
Chemical Record. 17, 1039, 2017. (Account of our work)
08. S. Kotha, V. R. Aswar

Target specific tactics in olefin metathesis. Synthetic approach to *cis-syn-cis* triquinanes and propellanes.

Org. Lett. 18, 1808, 2016. (Research Paper)

07. S. Kotha, D. Goyal, A. S. Chavan
Diversity oriented approaches to unusual α -amino acids and peptides: step economy, atom economy, redox economy and beyond.
J. Org. Chem. (Perspective), 78, 12288, 2013 (Account of our work)
06. S. Kotha, S. Halder
Ethyl isocyanoacetate as useful glycine equivalent
Synlett 337, 2010. (Account of our work)
05. S. Kotha, M. Meshram, A. Tiwari
Advanced approach to polycyclics by a synergistic combination of enyne Metathesis and Diels–Alder reaction
Chem. Soc. Rev. 38, 2065, 2009. (Critical Review, include our own work also)
04. S. Kotha, K. Lahiri
Expanding the diversity of polycyclic aromatics through a Suzuki–Miyaura cross-coupling strategy.
Eur. J. Org. Chem. 1221, 2007. (Micro Review, Account of our work)
03. S. Kotha, S. Banerjee, M. P. Patil, R. B. Sunoj
Retro Diels–Alder reaction under mild conditions: experimental and theoretical studies.
Org. Biomol. Chem. 4, 1854, 2006. (Research Communication)
02. S. Kotha
The building block approach to unusual α -amino acid derivatives and peptides.
Acc. Chem. Res. 36, 342, 2003. (Account of our work)
01. S. Kotha, N. Sreenivasachary
A new synthetic approach to 1, 2, 3, 4-tetrahydroisquinoline-3-carboxylic acid (Tic) derivatives *via* enyne metathesis and the Diels–Alder reaction.
Chem. Commun. 503, 2000. (Research Communication)

Awards/Special recognitions

Sr. No.	Name of the Awards	Awarding agency	Year
1	B. M. Birla Science Prize in Chemistry	Birla Centre, Hyderabad	1996
2	N. S. Narasimhan Endowment Award	Pune University	2000
3	Bronze Medal, CRSI	CRSI, Bangalore	2004
4	IIT-Bombay Best Research Paper Award	IIT Bombay	2004
5	IIT-Bombay Best Review Paper Award	IIT Bombay	2005
6	Bhagyatara National Award	Punjab University	2005
7	Innocentive Champion Award	Innocentive company	2005
8	<i>Indian J. Chem.</i> (B)-Editorial board member, 2005-2014	CSIR	2005
9	Fellow of National Academy of Sciences	NASI	2006
10	Nature publishing travel award	Nature Journal	2007
11	S.C. Bhattacharya Award-Research Excellence-Sciences	IIT Bombay	2008
12	<i>J. Chem. Sciences</i> - Editorial board member, 2009-2011	IASc	2009
13	<i>J. Amino Acids</i> - Editorial board member, 2009-2017	Hindawi	2009
14	<i>Open Catalysis Journal</i> -Editorial board member, 2009-	Bentham Open	2009
15	J. C. Bose Fellowship	DST	2010
16	Prof. Y. T. Thathachari National Award	Bhramara Trust-Mysore	2010
17	Shri. G.D. Gokhale Endowment Lectureship	ICT Mumbai	2010
18	IIT-Bombay best review paper award	IIT Bombay	2010
19	Fellow of Indian Academy of Sciences	IASc	2010
20	Pramod Chaudhari Chair-Green Chem. & Ind.Biotech.	IIT Bombay	2011
21	IIT-Bombay Best Review Paper Award	IIT Bombay	2011
22	Fellow-Royal Society of Chemistry	RSC London	2012
23	Maharashtra Academy of Sciences-Fellowship	MASc	2012
24	Andhra Pradesh Akademi of Sciences-Fellowship	APASc	2012
25	Costal Chemical Research Society-Award	CCRS	2013
26	<i>Eur. J. Org. Chem.</i> -Intl Advisory Board Member 2014-16	European Journals	2014
27	Prof. W. U. Mallik Memorial Award	Indian council of chemists	2014
28	Prof. B. D. Tilak Endowment Lectureship	ICT Mumbai	2015
29	Prof. Sethna Memorial Lecture Award (2016-17)	MS University Baroda	2016
30	Fellow-Indian National Science Academy	INSA	2017
31	IIT Bombay Research Dissemination Award 2016	IIT-Bombay	2017
32	Distinguished Alumius Lecture Award	University of Hyderabad	2018
33	Golden Jubilee Distinguished Alumius	SVRM College	2019
34	Dr. D. S. Bhakuni Award	Indian Chemical Society	2020
35	Dr. S.K. Pradhan Endowment	ICT, Mumbai	2021
36	Editorial Board Member	Ind. J. Chem	2022

Details of CSIR Fellowship / Associateship held, if any or from other sources/agencies.

S. No.	Period		Name of the University / Institution	Designation	Fellowship Amount
	From	To			
1	Jan 1980	Dec 1981	University of Hyderabad	JRF	400 Rs

2	Jan 1982	Dec 1985	University of Hyderabad	SRF	600 Rs
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Impact of Prof. S. Kotha's publications

During the last Twenty consecutive years (2003-2022) our articles are placed among the most cited/most downloaded/ category. The details are given below

- 2003–*Tetrahedron* 2002, 9633–3rdMost requested article in CAS spotlight.
- 2004–*Tetrahedron* 2002, 9633–5thMost requested article in CAS spotlight.
- 2004–*Tetrahedron* 2002, 9633–Placed among the hot papers in Chemistry.
- 2004–*Tetrahedron* 2002, 9633–Web of Science classifies as one of the most influential articles
- 2005–*Eur. J. Org. Chem.* 2005, 4741–Among *EJOC* top ten downloaded articles – Nov. 2005.
- 2006–*Org. Biomol. Chem.* 2006, 1854–Among *OBC* top ten accessed articles - May 2006.
- 2006–*Chem. Eur. J.* 2006, 8024–Article has been highlighted in *CEJ* issue No: 31 pp: 7955.
- 2007–*Eur. J. Org. Chem.* 2007, 1221–Among most accessed articles in *EJOC* during 2007.
- 2007–*Tetrahedron* 2002, 9633–Placed among highly cited articles by Web of Science.
- 2008–*Eur. J. Org. Chem.* 2005, 4741–Among most cited articles in *EJOC* during 2005-06.
- 2008–*Tetrahedron* 2002, 9633 Among 50 Highly cited papers -Science & Technology report.
- 2009- *Eur. J. Org. Chem.* 2007, 5909 Highlighted in Chemtracts 2009, 203.
- 2009- *Synlett* 2005, 1877 highlighted in Chemtracts 2009, 167.
- 2010-*Synthesis* 2009, 165: No. 1 most-downloaded articles in *Synthesis*, Jan-Nov 2009.
- 2010-*Indian J. Chem.(B)* 2001, 763 No: 1 among the most cited articles in *IJC* (2001-10)
- 2011-*Org. Biomol. Chem.* 2011, 5597 Among top ten most accessed articles in July -Aug. 2011.
- 2012- *Tetrahedron* 2002, 9633 Among top 25 downloaded articles (*Tetrahedron*) Oct-Dec. 2011.
- 2012- *Tetrahedron* 2012, 397 - Among top 25 downloaded articles (*Tetrahedron*) Oct-Dec. 2011.
- 2012- *Analyst* 2012, 2871 Among top 10 downloaded articles (*Analyst*) June 2012.
- 2013- *Tetrahedron* 2002, 9633 Among top 25 downloaded articles (*Tetrahedron*) Jan-Dec. 2012.
- 2013- *Synlett* 2013, 1921 highlighted in *Synfacts* 2013, 9(11), 1172.
- 2014- *Tetrahedron* 2002, 9633 Among top 25 downloaded articles (*Tetrahedron*) Jan-Dec. 2013.
- 2014- *Tetrahedron* 2014, 5361 Among the top 25 downloaded articles (*Tetrahedron*) 2014.
- 2015-*Tetrahedron* 2002, 9633Among top 25 downloaded articles (*Tetrahedron*). 2014
- 2015- *Beliestein J. Org. Chem.* 2015, 1274 most-downloaded articles (*BJOC*) August, 2015.
- 2015- *Beliestein J. Org. Chem.* 2015, 1259 most-downloaded articles (*BJOC*) August, 2015.
- 2015- *Beliestein J. Org. Chem.* 2015, 1503 most-downloaded articles (*BJOC*) August, 2015.
- 2015- *Beliestein J. Org. Chem.* 2015, 1514 most-downloaded articles (*BJOC*) August, 2015.
- 2015- *ACS Comb. Sci.*, 2015, 17, 253 most-downloaded articles.
- 2016- *ACS Comb. Sci.*, 2015, 17, 253 most accessed articles 2016.
- 2017- *Beliestein J. Org. Chem.* 2015, 1259 most-downloaded articles (*BJOC*) August, 2015
- 2017–*Eur. J. Org. Chem.* 2017, 5316–most accessed articles in (*EJOC*) during 2017
- 2018- *Synthesis*, 2017, 49, 5339, highlighted in *Synfacts* 2018, 14(03), 0247
- 2018- *J. Organomet. Chem.*, 874, 13 most-downloaded articles (*JOMC*) during 2018
- 2019–*Beliestein J. Org. Chem.* 2019, 15, 371–most accessed articles in (*BJOC*) during 2019
- 2020- *Synlett*, 2018, 29, 2342- most cited articles from India during 2018-20
- 2021- *Synthesis*, 2019, 51, 3981- most cited articles from India during 2018-20
- 2021-(Nov 2021), Based on No. of publications, (SciFinder), Kotha's rank in Metathesis- 9.
- 2021-(Nov 2021), Based on No. of publications (SciFinder), Kotha's rank in Suzuki Coupling- 9.
- 2022- *Chem. Asian J.*, 2021, 16, 3649, highlighted in *Synfacts* 2022, 18(01), 0106

IIT Bombay (Administration experience-committee work/other activities)

- Member of departmental annual progress committee 1994-1997, 1999
- Secretary to departmental under graduate committee 1997-2000
- Coordinator M.Sc. entrance examination 1999-2000
- Member of Ph. D. selection committee 1994-95, 19997-98
- Member for setting M.Sc. entrance examination paper
- Departmental coordinator to various industrial R&D activities 1997-
- Member of research progress committee for several Ph. D. students
- Coordinator for NMR proposal, Member of DST organic synthesis center
- Coordinator for DST NMR proposal, (x) Participated in JE paper correction, JE conducting
- Departmental safety in charge (1996- 2016)
- CEPs conducted at IIT-B
- One-day CEP course on “The Role of Organic Synthesis in Drug Research” (Oct. 19, 1996).
- Two-day CEP course on “The Role of Organic Synthesis in Drug Research” (April 20-21, 1999).
- Membership of Scientific bodies ACS, RSC, CRSI
- Departmental undergraduate committee 3 years
- Departmental Group convener (Organic chemistry)
- Departmental Policy Committee member 9 years
- Institute Safety committee member 3 years
- Senate Search Committee member 3 years
- IRCC awards committee member 1 year
- FIIST Departmental committee member
- Space committee member 2 years
- UGC SAP committee member for Swami Ramanand Teerth Marathwada University.
- UGC Nominee for SAP Advisory committee member for Shivaji University, Kolhapur.
- CSIR Shanti Swarup Bhatnagar selection committee member (2016)
- Faculty Selection committee member for Kolhapur University, Telangana University, Pune University
- Faculty Selection committee member for NIT Warangal
- Faculty Selection committee member for ICT-Mumbai
- Faculty Selection committee member for BARC-Mumbai
- Ph. D Examiner-Several Ph. D (>100) PhD thesis
- M.Sc. Examiner-Several M.Sc. (~10) M.Sc. thesis
- Incharge of M.Sc. Entrance exam 2 years
- Resource person in the UGC sponsored Refresher Course in Chemistry for College, Shivaji University
- Appointed as a member of the panel of paper setters for SET Examination, Pune University
- M/s. Salvi Chemical Industries Ltd. Mumbai nomination of a senior expert, Tarapur
- NISCAIR Panel of Experts 2007- 2009
- Expert member of M/s. IPCA Laboratories Ltd.
- Selection Committee Meeting for Scientist Group IV CIMAP, Lucknow
- Expert member of Selection Committee for -Indian Institute of Chemical Biology, Kolkata CSIR
- Expert member of IIPetroleum, Dehradun (CSIR), NCL Pune, CMCRL Bhavnagar
- Selection Committee Member, Various IIT's (Gandhinagar, Delhi, Patna, Kharagpur, Jammu)
- Seminar Secretary
- Member CRSI National Symposium in Chemistry 2009, 2014
- Editorial Board Member
- Member of DSIR expert Committee (DST)
- Reviewer D S Kothari Post Doc Fellowship
- Referee for several national international journals
- Advisory board member several national and international conference
- Member of SAIF(RSIC) facility management Committee
- Faculty in charge – UG Lab and NMR facility
- Resource Person to the online refresher course in chemical sciences, UGC-HRDC, Osmania University Hyderabad, Jan, 24, 2022

Details of foreign visits

No	Period		Institute / country visited	Purpose of visit
1	Dec 1995	1 month	Uni. California, Chem. Dept. Santa Cruz	Visiting faculty
2	Dec 1997	1 month	Chem. Dept. - IUPUI-Indianapolis	Visiting Faculty
3	Apr 2000	1 month	Chem. Dept.- Fargo -NDSU	Visiting Faculty
4	21 July 2002	One week	Roger Williams Uni, US	ORP, GRC Conf.
5	28 July 2002	One week	Tilton School, US	NP, GRC Conf.
6	20 July 2003	One week	Selve Regina Uni. US	OM, GRC Conf.
7	25 July 2004	One week	Tilton School, US	NP, GRC Conf.
8	6 Oct 2004	4 days	CNRS lab, Gif Sur Yette, France	Indo/French meet
9	23 July 2006	One week	Tilton School, US	NP, GRC Conf.
10	8 Jan 2007	4 days	National Tsing Uni. Taiwan	Indo/Taiwan meet
11	15 July 2007	One week	Bryant Univ. US	ORP, GRC Conf.
12	22 July 2007	One week	Tilton School, US	NP, GRC Conf.
13	17 Dec 2007	4 days	NTU, Chem. Dept. Singapore	C&FC Conf.
14	13 July 2008	One week	Bryant Univ. US	ORP, GRC Conf.
15	20 July 2008	One week	Tilton School, US	NP, GRC Conf.
16	Jan-Jun 2009	6 months	NUS, Chem. Dept. Singapore	Visiting Faculty
17	16 Dec 2009	4 days	NUS, Chem. Dept, Singapore	SICC-6 Conf.
18	22 Jun 2010	4 days	Beijing University, China	Tetrahedron Symp
19	10 Jul 2011	5 days	Rennes, France	19 th ISOM
20	10 June 2012	5 days	Uni. KwaZulu-Natal, South Africa	Collaboration visit
21	26 June 2012	4 days	Amsterdam, Netherlands	Tetrahedron Symp
22	3 March 2014	4 days	Uni. Florida, USA	FloHet-2014 Conf.
23	28 Oct 2015	4 days	Singapore	Tetrahedron Symp
24	11 Jul 2015	5 days	Graz, Austria	21 st ISOM
25	9 Jul 2017	5 days	Zurich, Switzerland	22 nd ISOM
26	24 Jul 2017	3 days	Melbourne, Australia	Tetrahedron Symp
27	18 Jun 2019	4 days	Bangkok, Thailand	Tetrahedron Symp
28	30 Jun 2019	5 days	Barcelona, Spain	23 rd ISOM
29	19 Aug 2019	2 dyas	Kuala Lumpar	WCC

Publications

[2022] Publications

- [322] [322] S. Kotha, S. Ansari
Photothermal olefin metathesis in polycyclic frames: Application of Hosomi-Sakurai reaction
***Chem. Asian J.*, (Accepted)** (4.568) (0)
- [321] S. Kotha, V. Gaikwad
Synthesis of unusual amino acid derivatives containing bicyclo[2.2.2]octane unit by the Diels–Alder approach involving pentacene
***ChemistrySelect* 6**, 7919, 2022 (2.109) (0)
- [320] S. Kotha, A. Agarwal, Y. Tangella
Synthesis of mixed musks via Eschenmoser-Tanabe fragmentation, enyne metathesis and Diels-Alder reaction as key steps.
***RSC Adv.* 12**, 14278, 2022 (3.361) (0)
- [319] S. Kotha, V. Gaikwad
Design and synthesis of amino acid derivatives containing hydantoin and thiazolidine moieties.
***J Chem. Sci.* 134**:58, 2022. (1.573) (0)
- [318] S. Kotha, B. U. Solanke
Modular Approach to Benzofurans, 2*H*-Chromenes and Benzoxepines via Claisen Rearrangement and Ring-Closing Metathesis: Access to Phenylpropanoids
***Chem. Asian J.* 17**, e202200084, 2022 (4.568) (0)
- [317] S. Kotha, V. R. Aswar, Y. Tangella
Design and synthesis of spirocycles via olefin metathesis
In “***Spiro Compounds: Synthesis and Applications***”,
edited by R. R. Torres, Wiley, Hoboken, USA, Page No.65-101, 2022.
- [316] S. Kotha, V. Gaikwad
Functionalization of Meldrum’s acid by Diels–Alders approach
***Heterocycles* 11**, 541, 2022. (0.831) (0)
- [315] S. Kotha, A. Fatma
Synthetic approaches to natural and unnatural tetraquinanes
***Asian J. Org. Chem* 11**, e202100595, 2022. (3.319) (0)

[2021] Publications

- [314] S. Kotha, S. Ansari, N. K. Gupta
Crystal structure of (2a*S*, 2a1*R*, 3a*R*,3a1*S*, 5a*S*, 6a*R*)-2a-allyl-2,4-dichloro-2a,2a1,3a1,5a,6,6a-hexahydro-3a*H*-3-oxadicyclopenta [cd, gh] pentalen-3a-ol.
***IUCr Data* 6**, x211260, 2021 (NA) (0)
- [313] S. Kotha, R. R. Keesari
Synthetic approaches to crinipellin based tetraquinanes via ring-rearrangement metathesis and ring-closing metathesis
***Asian J. Org. Chem* 10**, 3456, 2021. (3.319) (1)
- [312] S. Kotha, K. Lahiri, Y. Tangella
Recently advances in benzocyclobutene Chemistry.
***Asian J. Org. Chem* 10**, 3166, 2021. (3.319) (0)
- [311] S. Kotha, R. R. Keesari
A modular approach to angularly fused polyquinanes via ring rearrangement metathesis: synthetic access to cameroonanol analogues and the basic core of subergoric acid and crinipellin

	<i>J. Org. Chem.</i> , 86, 17129, 2021	(4.354)	(0)
[310]	S. Kotha, A. Fatma Application of sequential ring-opening, and ring-closing metathesis or ring-rearrangement metathesis to design oxacycles and azacycles <i>ChemistrySelect</i> 6, 12018, 2021	(2.109)	(0)
[309]	S Kotha, N. Gupta, G. Sreevani and N. R. Panguluri Design, synthesis and late-stage modification of indane-based peptides via [2+2+2] cyclotrimerization <i>Chem. Asian J.</i> 16, 3649, 2021.	(4.568)	(0)
[308]	S. Kotha, A. Agarwal, S. Ansari Synthesis of Angular Triquinane and [4.3.3] Propellane Derivatives via Ring-Rearrangement Olefin Metathesis <i>ChemistrySelect</i> 6, 11178, 2021	(2.109)	(0)
[307]	S. Kotha, A. Fatma Synthetic approach to oxacycles via the application of RMM <i>ChemistrySelect</i> 6, 7919, 2021	(2.109)	(2)
[306]	S. Kotha, B. U. Solanke, N. K. Gupta Design and synthesis of C ₃ -symmetric molecules containing oxepine and benzofuran moieties via metathesis. <i>J. Mol. Str.</i> 1244, 130907, 2021	(3.196)	(0)
[305]	S. Kotha, N. Gupta, S. Ansari 5-[(1,3-Dimethyl-5-oxo-2-sulfanylideneimidazolidin-4-ylidene) amino]-2-methylisoindoline-1,3-dione <i>IUCr data</i> 6, x210322, 2021.	(NA)	(0)
[304]	S. Kotha, A. Fatma, S. Ansari 2,3-Dihydro-1H-cyclopenta [b] naphthalene-4,9-dione <i>IUCr data</i> 6, x210167, 2021.	(NA)	(0)
[303]	S. Kotha, S Pulletikurti, A. Fatma, G. Dhangar, G. S. Naidu Synthesis of polycycles and oxacycles by tandem metathesis of endo-norbornene derivatives <i>Synthesis</i> 53, 1931, 2021	(3.157)	(0)
[302]	S. Kotha, A. Fatma Synthetic approaches to anti-cancer agent fedrecamycin A <i>Asian J. Org. Chem</i> 10, 129, 2021.	(3.319)	(2)
[2020] (18 Publications)			
[301]	S. Kotha, S Pulletikurti Synthesis of spiro-annulated cyclobutane derivatives through ketene [2+2] cycloaddition and ring-rearrangement metathesis <i>Indian J Chem</i> 59B, 1875, 2020.	(0.592)	(0)
[300]	S Kotha, S Pulletikurti Synthetic approach to oxa-triquinanes via olefin metathesis as a key step <i>Indian J Chem</i> 59B, 1868, 2020.	(0.592)	(0)
[299]	S. Kotha, S. R. Cheekatla, M. Meshram Design and synthesis of cage molecules as high energy density materials for aerospace applications <i>ChemCatChem</i> 12, 6131, 2020.	(5.686)	(2)
[298]	S. Kotha, S. Ansari, N. Gupta (<i>E</i>)-3-Thia-1,5(1,3)-dibenzenacycloundecaphan-8-ene-6,11-dione 3,3-dioxide <i>IUCr data</i> 5, x201464 , 2020.	(NA)	(0)
[297]	S. Kotha, S. R. Cheekatla, U. N. Chaurasia		

- Annulated oxa-cage frameworks via Claisen rearrangement and ring-closing metathesis
Tetrahedron **76**, 131694, **2020**. (2.457) (1)
- [296] S. Kotha, S. R. Cheekatla, Sohal Lal, Lovely Mallick, N. Kumbakarna A. Chowdhury and I. N.N. Namboothiri
Pentacycloundecane (PCUD) based cage frameworks as potential energetic materials: syntheses and characterization
Asian J. Org. Chem **9**, 2116, **2020**. (3.319) (2)
- [295] S. Kotha, Y. Tangella
Modular approaches to cyclopentanoids and their heteroanalogs.
Synlett **31**, 1976, **2020**. (2.454) (4)
- [294] S. Kotha, N. Gupta, S. Ansari
Facile synthetic route to [3.n] thiacyclophanes through ring-closing metathesis and their structural studies.
Eur. J. Org. Chem. 6929, **2020**. (3.021) (2)
- [293] S. Kotha, S. Ansari, S. R. Cheekatla
7-Methoxypentacyclo[5.4.0.0^{2,6}.0^{3,10}.0^{5,9}]undecane-8,11-dione
IUCrData **5**, x201380, **2020**. (NA) (0)
- [292] S. Kotha, S. R. Cheekatla
Synthesis of cis-syn-cis and cis-anti-cis linear triquinanes via photo-thermal metathesis
Indian J Chem. **59B**, 1556, **2020**. (0.592) (0)
- [291] S Kotha and S R Cheekatla
Design and synthesis of pentacycloundecane cage compound containing oxazole moiety.
Heterocycles **100**, 1623, **2020**. (0.831) (2)
- [290] S Kotha and S R Cheekatla
A new skeletal rearrangement of 1,7-dimethyl Cookson's cage dione catalyzed by a Lewis acid
Org. Biol. Chem. **18**, 1377, **2020** (3.876) (1)
- [289] S. Kotha, A. Fatma
Construction of [5/7/5] fused tricyclic sulfones via ring-rearrangement metathesis.
ChemistrySelect **5**, 1929, **2020** (2.109) (0)
- [288] S. Kotha, S. R. Cheekatla
Synthesis of cage heterocycles containing tetrahydrofuran and pyran ring systems via Grignard addition and ring-closing metathesis
Indian J Chem. **59B**, 75, **2020** (0.592) (2)
- [287] S. Kotha, S. R. Cheekatla
Design, synthesis, and rearrangement studies of gem-dimethyl containing cage systems
Tetrahedron **76**, 130898, **2020** (2.457) (3)
- [286] S. Kotha, S. Ansari, S. R. Cheekatla, M. K. Dipak
Synthesis of oxa-cage compounds by ketalization and ring-closing metathesis
Tetrahedron **76**, 130856, **2020** (2.457) (1)
- [285] S. Kotha, R. R. Keesari, A. Fatma, R. Gunta
Synthetic strategies to diverse polyquinanes via olefin metathesis: Access to the basic core of crinipellin, presilphiperfolanol, and cucumin
J. Org. Chem. **82**, 851, **2020**. (4.354) (6)
- [284] S. Kotha, S. Pulletikurti
Lewis acid mediated synthesis of indolizidine derivatives

	<i>Heterocycles</i> 101, 717, 2020.	(0.831)	(1)
[2019] (20 Publications)			
[283]	S. Kotha, A. S. Chavan, D. Goyal Diversity-oriented approaches to polycycles and heterocycles via enyne metathesis and Diels–Alder reaction as key steps <i>ACS Omega</i> 4, 22261, 2019	(3.512)	(13)
[282]	S Kotha and S R Cheekatla Synthesis and acid-catalysed rearrangement of cage propellanes <i>ChemistrySelect</i> 4, 13440, 2019	(2.109)	(2)
[281]	S. Kotha, M. Meshram Development of new synthetic strategies, tactics and their applications <i>Chemical Record</i> 19, 2480, 2019.	(6.771)	(1)
[280]	S. Kotha, M. Meshram, V. R. Aswar Application of ring-rearrangement metathesis in organic synthesis: A grand design <i>Tetrahedron Lett.</i> 60, 151337, 2019	(2.415)	(7)
[279]	S. Kotha, G. Sreevani, L. U. Dzhemileva, M. M. Yunusbaeva, U. M. Dzhemilev, V. A. D'yakonov Diversity-oriented synthesis of spirothiazolidinediones and their biological evaluation. <i>Beilstein J. Org. Chem.</i> 15, 2774, 2019	(2.883)	(2)
[278]	S. Kotha, S. R. Cheekatla, M. Meshram, B. Vijayalakshmi, S. Vittal Realization of photo-thermal metathesis under microwave irradiation conditions: An entry to triquinane frameworks <i>Asian J. Org. Chem.</i> 8, 2097, 2019.	(3.319)	(7)
[277]	S. Kotha, S. R. Cheekatla, A. Fatma Synthetic approach to ABCD ring system of anticancer agent fredericamycin A via Claisen rearrangement and ring-closing metathesis as key steps. <i>ACS Omega</i> 4, 17109, 2019.	(3.512)	(6)
[276]	S. Kotha, R. R. Keesari, S. Ansari Synthesis of aza-polyquinanes via Fischer indolization and ring-rearrangement metathesis as key steps <i>Synthesis</i> 51, 3989, 2019	(3.157)	(7)
[275]	S. Kotha, S. Puletikurti A metathetic approach to [5/5/6] aza-tricyclic core of dendrobine, kopsanone, and lycopalhine a type of alkaloids <i>Synthesis</i> 51, 3981, 2019.	(3.157)	(7)
[274]	G Sreevani, S Kotha Method of synthesis of heterocycles and carbocycles using [2+2+2] cyclotrimerization Indian Pat. Appl. IN 201721034066 A 20190712, 2019.		
[273]	S. Kotha, N. K. Gupta, V. R. Aswar Multicomponent approach to hydantoins and thiohydantoins involving a deep eutectic solvent. <i>Chem. Asian J.</i> 14, 3188, 2019.	(4.568)	(7)
[272]	S. Kotha, R. Ali A simple synthetic strategy to π -conjugated spirofluorenes <i>J Chem. Sci.</i> 131, 66, 2019.	(1.573)	(2)
[271]	S. Kotha, M. Meshram, N. R. Panguluri, V. Shah, T. Saidulu, M. E. Shirbhate Synthetic approaches to star-shaped molecules with 1,3,5-trisubstituted aromatic cores		

	<i>Chem. Asian J.</i> , 14 , 1356, 2019 .	(4.568)	(4)
[270]*	S Kotha, M. Meshram, N. R. Panguluri Advanced approaches to post-assembly modification of peptides by transition-metal-catalyzed reactions <i>Synthesis</i> 51 , 1913, 2019 .	(3.157)	(3)
[269]	S. Kotha, R. Gunta Synthesis of alkenyl sulfones containing norbornene moiety <i>Heterocycles</i> 98 , 271, 2019 .	(0.831)	(2)
[268]	S. Kotha, V. R. Aswar, S. Ansari Selectivity in ring-closing metathesis: Synthesis of propellanes and angular aza-tricycles <i>Adv. Synth. Catal.</i> 361 , 1376, 2019 .	(5.837)	(7)
[267]	S. Kotha, T. Saidulu Synthesis of C_3 -symmetric star-shaped molecules containing 1,3-azoles via hetero-aryl Heck coupling <i>Tetrahedron</i> 75 , 1359, 2019	(2.457)	(0)
[266]	S Kotha, T. Saidulu Synthesis of C_3 -symmetric star-shaped molecules containing α -amino acids and dipeptides via Negishi coupling as a key step <i>Beilstein J. Org. Chem.</i> 15 , 371, 2019	(2.883)	(3)
[265]	S. Kotha, P. Khedkar, Y. Dommaraju Synthetic application of rongalite: A green tool in the service of Diels–Alder chemistry and beyond <i>Tetrahedron Lett. Digest</i> 60 , 631, 2019	(2.415)	(3)
[264]	S. Kotha, S. Pulletikurti, Y. Dommaraju Ring-opening metathesis of n-alkenyl β -lactams <i>Heterocycles</i> 98 , 79, 2019 .	(0.831)	(4)
[263]	S. Kotha, S. R. Cheekatla Synthesis of functionalized cage propellanes and D_3 -Trishomocubanes <i>via</i> the ring-closing metathesis and acid-promoted rearrangement <i>Tetrahedron</i> 75 , 84, 2019 .	(2.457)	(8)
[2018]	(21 Publication)		
[262]	S Kotha, R. Ali, N. R. Panguluri, A. C. Deb Design and synthesis of spirotruxene and spirofluorene derivatives <i>Indian J. Chem.</i> 57B , 1489, 2018 .	(0.592)	(6)
[261]	S. Kotha, S. R. Cheekatla Synthesis of cage [4.4.2]propellanes and D_3 - trishomocubanes bearing spiro linkage <i>J. Chem. Sci.</i> 130 , 171, 2018	(1.573)	(4)
[260]	S. Kotha, G. Sreevani Synthesis of Spiro Barbiturates and Meldrum's Acid Derivatives <i>via</i> a [2+2+2] Cyclotrimerization <i>Synthesis</i> 50 , 4883, 2018 .	(3.157)	(3)
[259]	S. Kotha, R. Gunta, S. R. Cheekatla, D. Mhatre Spiro[cyclopentane-1,11'-hexacyclo-[7.6.0.0 ^{1,6} .0 ^{6,13} .0 ^{8,12} .0 ^{10,14}]pentadecane]-7',15'-dione. <i>IUCrData</i> 3 , x181590, 2018 .	(NA)	(0)
[258]	S. Kotha, M. Meshram, Y. Dommaraju Design and synthesis of polycycles, heterocycles and macrocycles <i>via</i> strategic utilization of ring-closing metathesis.		

	<i>Chemical Record</i> 18, 1613, 2018.	(6.771)	(16)
[257]	S. Kotha, G. Sreevani Diversity oriented approach to spirorhodanines via a [2+2+2] cyclotrimerization <i>Eur. J. Org. Chem.</i> 5935, 2018	(3.021)	(5)
[256]	S. Kotha, R. Ali, N. R. Panguluri, A Datta, K. K. Kannaujiya Synthesis and photophysical properties of star-shaped blue green emitting π -conjugated spirotruxenes <i>Tetrahedron. Lett.</i> 59, 4080, 2018.	(2.415)	(7)
[255]	S. Kotha, K. Lahiri, G. Sreevani Design and synthesis of aromatics through [2+2+2] cyclotrimerization. <i>Synlett</i> 29, 2342, 2018.	(2.454)	(20)
[254]	S. Kotha, T. Saidulu, V. R. Aswar Design and synthesis of C_3 -symmetric molecules bearing propellane moieties via cyclotrimerization and a ring-closing metathesis sequence <i>Beilstein J. Org. Chem.</i> 14, 2537, 2018.	(2.883)	(4)
[253]	S. Kotha, M. Meshram, Ch. Chandravathi Synergistic approach to polycycles through Suzuki–Miyaura cross-coupling and metathesis as key steps. <i>Beilstein J. Org. Chem.</i> 14, 2468, 2018.	(2.883)	(12)
[252]	S. Kotha, S. R. Cheekatla, M. Meshram Synthetic approach to oxa-cage systems via ring-closing metathesis <i>Heterocycles</i> 97, 1008, 2018.	(0.831)	(5)
[251]	S. Kotha, M. Meshram Application of organometallics in organic synthesis <i>J. Organomet. Chem.</i> , 874, 13, 2018.	(2.369)	(6)
[250]	S. Kotha, M. Meshram Application of Claisen rearrangement and olefin metathesis in organic synthesis <i>Chem. Asian J.</i> 13, 1758, 2018.	(4.568)	(8)
[249]	S. Kotha, S. R. Cheekatla, R. Gunta Hexacyclo[6.5.1.0 ^{1,5} .0 ^{5,12} .0 ^{7,11} .0 ^{9,13}]tetradecane-4,6,14-trione. <i>IUCrData</i> 3, x180852, 2018.	(NA)	(0)
[248]	S. Kotha, S. R. Cheekatla Molecular acrobatics in polycyclic frames: Synthesis of functionalized D_3 -trishomocubanes via the rearrangement approach. <i>J. Org. Chem.</i> 83, 6315, 2018.	(4.354)	(12)
[247]	S. Kotha, G. Sreevani Synthesis of benzyl halide derivatives of spirohydantoin via [2+2+2] cyclotrimerization reaction <i>Tetrahedron. Lett.</i> 59, 1996, 2018.	(2.415)	(7)
[246]	S. Kotha, S. Pulletikurti Synthesis of propellanes containing a bicyclo[2.2.2] octene unit via the Diels–Alder reaction and ring-closing metathesis as key steps. <i>RSC Adv.</i> 8, 14906, 2018.	(3.361)	(14)
[245]	S Kotha, S. Todeti, T Das, A Datta Synthesis of star-shaped pyrrole-based C_3 -symmetric molecules via ring-closing metathesis, Buchwald–Hartwig cross-coupling and Clauson–Kaas pyrrole synthesis as key steps <i>Tetrahedron. Lett.</i> 59, 1023, 2018.	(2.415)	(12)
[244]	S. Kotha, G. Sreevani [2 + 2 + 2] cyclotrimerization with propargyl halides as copartners: Formal		

	total synthesis of the antitumor hsp90 inhibitor at 13387 <i>ACS Omega</i> 3, 1850, 2018.	(NA)	(7)
[243]	S. Kotha, S. R. Cheekatla, R. Gunta 7-Hydroxyhexacyclo[7.5.1.0 ^{1,7} .0 ^{6,13} .0 ^{8,12} .0 ^{10,14}]-pentadecan-15-one-11-Spirocyclopentane <i>IUCr Data</i> 3, x180090, 2018.	(NA)	(0)
[242]	S Kotha, S. Todeti, T Das, A Datta Synthesis and photophysical properties of C ₃ -symmetric star-shaped molecules containing heterocycles: A new tactics for multiple Fischer indolization <i>ChemistrySelect</i> 3, 136, 2018.	(2.109)	(7)
[2017] (14 Publication)			
[241]	S Kotha, M. Saifuddin, R. Ali, M. E. Shirbhate, G. Sreevani Two directional approach to spirocycles containing bicyclo[2.2.2]octane system via a [2+2+2] co-trimerization and Diels-Alder reaction. <i>Indian J. Chem.</i> 56B 1231, 2017.	(0.592)	(3)
[240]	S. Kotha, G. Sreevani A short synthetic route to benzosultine-sulfone using rongalite and [2+2+2]-cyclootrimerization <i>ChemistrySelect</i> 2, 10804, 2017.	(2.109)	(10)
[239]	S. Kotha, S. R. Cheekatla, D. Mhatre Ring closing metathesis approach to cage propellanes containing oxepane and tetrahydrofuran hybrid system <i>Synthesis</i> 49, 5339, 2017.	(3.157)	(15)
[238]	S. Kotha, V. R. Aswar, A. K. Chinnam One-Pot synthesis of carbazoles from indoles via a metal free benzannulation <i>Tetrahedron. Lett.</i> 58 4360, 2017.	(2.415)	(10)
[237]	S. Kotha, V. R. Aswar, G. Singhal Synthesis of tricyclic units of indole alkaloids: Application of Fischer indolization and olefin metathesis. <i>Tetrahedron</i> 73, 6436, 2017.	(2.457)	(7)
[236]	S. Kotha, A. K. Chinnam Synthesis of indane-based [n.3.3] propellane derivative via ring closing metathesis. <i>Indian J. Chem.</i> 56B, 1065, 2017.	(0.592)	(3)
[235]	S. Kotha, S. Todeti, M. Bala Gopal, and A. Datta Synthesis and photophysical properties of C ₃ -symmetric star-shaped molecules containing heterocycles such as furan, thiophene, and oxazole. <i>ACS Omega</i> 2, 6291, 2017.	(3.512)	(13)
[234]	S. Kotha, R. Gunta Synthesis of intricate fused N-heterocycles via ring-rearrangement metathesis. <i>J. Org. Chem.</i> 82, 8527, 2017.	(4.354)	(14)
[233]	S. Kotha, N. R. Panguluri, R. Ali Design and synthesis of spirocycles <i>Eur. J. Org. Chem.</i> 5316, 2017.	(3.021)	(53)
[232]	S. Kotha, S. R. Cheekatla A new synthetic approach to C ₂ -symmetric octacyclic cage diol via Claisen rearrangement and ring-closing metathesis as key steps <i>ChemistrySelect</i> 2, 6877, 2017.	(2.109)	(12)
[231]	S. Kotha, S. R. Cheekatla, B. Mandal Synthesis and rearrangement of cage [4.3.2] propellanes that contain a		

	spiro linkage <i>Eur. J. Org. Chem.</i> 4277, 2017.	(3.021)	(16)
[230]	S. Kotha, Ch. Chandravathi Application of Fischer indolization under green conditions using deep eutectic solvents. <i>Chemical Record</i> 17, 1039, 2017.	(6.771)	(17)
[229]	S. Kotha, G. Sreevani A short synthetic route to a hybrid molecule benzosultine-sulphone via [2+2+2] cyclotrimerization <i>Heterocycles</i> 95, 1204, 2017.	(0.831)	(5)
[228]	S. Kotha, N. Nageswar Rao, O. Ravikumar, G. Sreevani Isomerization and functionalization of 2:1 Diels-Alder adducts of Cyclopentadiene and p-benzoquinone Application to polycycles via ring-closing metathesis and ring-opening metathesis as key steps <i>Tetrahedron Lett.</i> 58, 1283, 2017.	(2.415)	(8)
[2016] (14 Publication)			
[227]	S. Kotha, M. E. Shirbhate, A. K. Chinnam, G. Sreevani Synthesis of phenanthroline and indole-based hybrid-cyclophanes derivatives via ring-closing metathesis. <i>Heterocycles</i> 93, 399, 2016.	(0.831)	(4)
[226]	S. Kotha, S. Mishra, N. G. Krishna, B. Vijayalakshmi, M. Saifuddin, N. Devunuri Diversity oriented approach to 1,2,3,4-tetrahydroisoquinoline-3-carboxylic (Tic) derivatives. <i>Heterocycles</i> 93, 185, 2016.	(0.831)	(1)
[225]	S. Kotha, S. R. Cheekatla, A. K. Chinnam, T. Jain Design and synthesis of polycyclic bisindoles via Fischer indolization and ring-closing metathesis as key steps. <i>Tetrahedron Lett.</i> 57, 5605, 2016.	(2.457)	(13)
[224]	S. Kotha, O. Ravikumar, G. Sreevani Design and synthesis of oxacycles from norbornene derivatives via ring-opening metathesis and ring-rearrangement metathesis. <i>Tetrahedron</i> 72, 6611, 2016.	(2.457)	(7)
[223]	S. Kotha, M. Saifuddin, V. R. Aswar Diversity-Oriented Approach to Indolocarbazoles via Fischer Indolization and Olefin Metathesis: Total Synthesis of Tjipanazole D and I. <i>Org. Biomol. Chem.</i> 14, 9868, 2016.	(3.876)	(25)
[222]	S. Kotha, A. K. Chinnam, N. Sreenivasachary, R. Ali Design and synthesis of polycyclic indoles under green conditions via Fischer indolization. <i>Indian J. Chem.</i> 55B, 1107, 2016.	(0.592)	(5)
[221]	S. Kotha, R. Ali Two directional approach to spirocyclic ethers via Grignard reaction and via ring-closing metathesis. <i>Indian J. Chem.</i> 55B, 1099, 2016.	(0.592)	(4)
[220]	S. Kotha, R. Gunta Bridgehead vicinal diallylation of norbornene derivatives and extension to propellane derivatives via ring-closing metathesis <i>Beilstein J. Org. Chem.</i> 12, 1877, 2016.	(2.883)	(11)
[219]	S. Kotha, O. Ravikumar Ring-rearrangement metathesis approach to polycycles: Substrate controlled stereochemical outcome during Grignard addition		

	<i>Eur. J. Org. Chem.</i> 3900, 2016.	(3.021)	(14)
[218]	S. Kotha, V. Bandi, R. Gunta, S. Gaddamedi Hexacyclo[7.5.1.0 ^{1,6} .0 ^{6,13} .0 ^{8,12} .0 ^{10,14}]pentadecane-7,15-dione <i>IUCr Data</i> 1, x161173, 2016.	(NA)	(0)
[217]	S. Kotha, R. Gunta A new synthetic strategy to 2,3-diallyl-1,4-quinones via one-pot double Claisen rearrangement and retro Diels–Alder reaction. <i>Tetrahedron Lett.</i> 57, 3021, 2016.	(2.415)	(5)
[216]	S. Kotha, V. R. Aswar Target specific tactics in olefin metathesis. Synthetic approach to <i>cis-syn-cis</i> triquinanes and propellanes. <i>Org. Lett.</i> 18, 1808, 2016.	(6.005)	(31)
[215]	S. Kotha, O. Ravikumar Synthesis of fused azacycle via Overman rearrangement and ring-rearrangement metathesis as key steps <i>Tetrahedron Lett.</i> 57, 1994, 2016.	(2.415)	(5)
[214]	S. Kotha, V. R. Aswar, M. Amarender A four-step route to synthetic equivalents of ortho-xyllylenes: Dötz benzannulation, desilylation, bromo-dehydroxylation, and sultine formation. A concise approach to oxygenated linearly fused polycyclic aromatics. <i>Tetrahedron</i> 72, 2306, 2016.	(2.457)	(7)
[2015] (29 Publications)			
[213]	S Kotha, * M E. Shirbhate A general synthetic approach to para-cyclophanes via ring-closing metathesis <i>Indian J. Chem.</i> 54B, 1483, 2015.	(0.592)	(2)
[212]	S. Kotha, R. Ali A simple approach to bis-spirocycles and spiroindole derivatives via green methods such as Fischer indolization, ring-closing metathesis, and Suzuki–Miyaura cross-coupling. <i>Turkish J. Chem.</i> 39, 1190, 2015.	(1.239)	(9)
[211]	S. Kotha, R. Ali, M. Saifuddin Diversity oriented approach to natural product inspired pyrano-carbozole derivatives: Strategic utilization of hetero Diels–Alder reaction, Fischer indolization and the Suzuki–Miyaura Cross-coupling reaction. <i>Tetrahedron</i> 71, 9003, 2015.	(2.457)	(15)
[210]	S. Kotha, G. Sreevani Molybdenum hexacarbonyl: air stable catalyst for microwave assisted intermolecular [2+2+2] co-trimerization involving propargyl halides <i>Tetrahedron Lett.</i> 56, 5903, 2015	(2.883)	(14)
[209]	S. Kotha, M. Meshram, P. Khedkar, S. Banerjee, D. Deodhar Recent application of ring-rearrangement metathesis in organic synthesis <i>Beilstein J. Org. Chem.</i> 11, 1833, 2015.	(2.883)	(38)
[208]	S. Kotha, R. Gunta Synthesis of oxabowls and propellane derivatives via ring-rearrangement metathesis as key step <i>Beilstein J. Org. Chem.</i> 11, 1727, 2015.	(2.883)	(15)
[207]	S. Kotha, A. K. Chinnam, M. E. Shirbhate Diversity-oriented approach to cyclophanes via Fischer indolization and ring-closing metathesis: Substrate controlled stereochemical outcome in RCM. <i>J. Org. Chem.</i> 80, 9141, 2015.	(4.354)	(24)

- [206] S. Kotha, A. K. Chinnam, M. E. Shirbhate
Design and synthesis of hybrid cyclophanes containing thiophene and indole units via Grignard reaction, Fischer indolization and ring-closing metathesis as key steps
Beilstein J. Org. Chem. 11, 1514, 2015. (2.883) (11)
- [205] S. Kotha, O. Ravikumar, J. Majhi
Synthesis of a tricyclic lactam via Beckmann rearrangement and ring-rearrangement metathesis as key steps
Beilstein J. Org. Chem. 11, 1503, 2015. (2.883) (11)
- [204] S. Kotha, M. Shirbhate, A. Chavan, G. T. Waghule
Diversity oriented approach to cyclophane derivatives via Claisen rearrangement and ring-closing metathesis as key steps.
J. Indian Chem. Soc. 92, 1299, 2015. (0.284) (2)
- [203] S. Kotha, R. Gunta
Design and synthesis of polycyclic sulfones via the Diels–Alder reaction and ring-rearrangement metathesis as key steps
Beilstein J. Org. Chem. 11, 1373, 2015. (2.883) (11)
- [202] S. Kotha, M. Saifuddin, R. Ali, G. Sreevani
Spiro annulation of caged polycycles via Grignard reaction and ring-closing metathesis as key steps
Beilstein J. Org. Chem. 11, 1367, 2015. (2.883) (6)
- [201] S. Kotha, R. Ali
Diversity oriented approach to novel spirocycles via 1,2,4,5-tetrakis-(bromomethyl)benzene under operationally simple reaction conditions.
Tetrahedron 71, 6944, 2015. (2.457) (5)
- [200] S. Kotha, G. T. Waghule, M. Shirbhate
Selected synthetic strategies to cyclophanes
Beilstein J. Org. Chem. 11, 1274, 2015. (2.883) (50)
- [199] S. Kotha, O. Ravikumar
Design and synthesis of fused polycycles via the Diels–Alder reaction and ring-rearrangement metathesis as key steps
Beilstein J. Org. Chem. 11, 1259, 2015. (2.883) (12)
- [198] S. Kotha, A. K. Chinnam, R. Ali
Hybrid macrocycle formation and spiro annulation on *cis-syn-cis* tricycle [6.3.0.0^{2,6}]undeca 3,11-dione and its congeners via Fischer indolization and ring-closing metathesis
Beilstein J. Org. Chem. 11, 1123, 2015. (2.883) (15)
- [197] S. Kotha, R. Ali
Diversity oriented approach to spirooxindoles: Application of a green reagent “rongalite”
Tetrahedron Letts. 56, 3992, 2015. (2.415) (10)
- [196] S. Kotha, A. S. Chavan, D. Goyal
Diversity Oriented Approaches to Polycyclics and Bio-inspired Molecules via the Diels–Alder Strategy: Green Chemistry, Synthetic Economy and Beyond
ACS Comb. Chem. 17, 253, 2015. (3.784) (58)
- [195] S. Kotha, M. Meshram, G. Muthusamy
Synthesis of conformationally constrained α -amino acid derivatives containing bicyclo[2.2.2] octane unit via the Diels–Alder reaction and the Suzuki–Miyaura cross coupling as key steps.
Indian J. Chem. 54B, 505, 2015. (0.592) (1)
- [194] S. Kotha, R. Ali

- Diversity oriented approach to bispirocyclics via [2+2+2] cycloaddition and the Diels–Alder reaction as key steps.
Tetrahedron Letts. 56, 2172, 2015. (2.415) (9)
- [193] S. Kotha, R. Ali, M. K. Dipak
Bidirectional approach to symmetrical spiro-1,3-bis(ketone) via Grignard reaction and two-fold ring-closing metathesis as key steps.
J. Indian Chem. Soc. 92, 277, 2015. (0.284) (5)
- [192] S. Kotha, V. Seema, S. Banerjee, M. K. Dipak
Diversity oriented approach to polycyclics via cross-enyne metathesis and Diels–Alder reaction as key steps.
J. Chem. Sci. 127, 155, 2015. (1.573) (3)
- [191] S. Kotha, R. Ali
Diversity oriented approach to linearly fused spirocyclics via strategic utilization of [2+2+2] cycloaddition and the Diels–Alder reaction as key steps.
Tetrahedron 71, 1597, 2015. (2.457) (10)
- [190] S. Kotha, R. Ali, V. Srinivas, N. G. Krishna
Diversity oriented approach to spirocyclics via Claisen rearrangement, ring-closing metathesis and Suzuki–Miyaura coupling reaction as key steps
Tetrahedron 71, 129, 2015. (2.457) (22)
- [189] S. Kotha, G. T. Waghule
New Approach to Cyclophanes Containing Ethyleneoxy Bridge by Glaser–Eglinton Coupling
Heterocycles 90, 1289, 2015. (0.831) (2)
- [188] S. Kotha, A. K. Chinnam
Design of aza polyquinanes via Fischer indole cyclization under green conditions
Heterocycles 90, 690, 2015. (0.831) (8)
- [187] S. Kotha, R. Ali
Diversity oriented approach to oxepine derivatives: Further expansion via Diels–Alder reaction
Heterocycles 90, 645, 2015. (0.831) (6)
- [186] S. Kotha, M. Meshram
Design and synthesis of conformationally constrained bicyclo [2.2.2] octane-based unusual amino acid derivatives via the Diels–Alder reaction
Heterocycles 90, 357, 2015. (0.831) (3)
- [185] S. Kotha, B. Vijayalakshmi
Diversity oriented approach to phenylalanine derivatives via the Diels–Alder reaction involving sulfolene intermediates.
Heterocycles 90, 226, 2015. (0.831) (3)
- [2014] (17 Publications)**
- [184] S. Kotha, R. Ali
Diversity oriented approach to spirobarbituric acid derivatives via a [2+2+2] cycloaddition and Diels–Alder reaction as key steps.
Heterocycles 88, 789, 2014. (0.831) (13)
- [183] S. Kotha, G. Waghule, M. Shirbhate
Diversity-Oriented approach to normuscone and its analogues through ring-closing metathesis.
Eur. J. Org. Chem. 984, 2014. (3.021) (16)
- [182] S. Kotha, O. Ravikumar
Diversity oriented approach to carbocycles and heterocycles through ring-rearrangement metathesis, Fischer indole cyclization and Diels–Alder

- reaction as key steps.
Eur. J. Org. Chem. 5582, 2014. (3.021) (34)
- [181] S. Kotha, A. K. Chinnam
Anomalous behaviour of cis-bicyclo [3.3.0] octane-3,7-dione and its derivatives during two-fold Fischer indole cyclization using low melting mixtures.
Synthesis 46, 301, 2014. (3.157) (13)
- [180] S. Kotha, M. Meshram
Synthesis of novel fluorathene based conformationally constrained α amino acid derivatives and polycyclic aromatic via the Diels–Alder reaction.
Synthesis 46, 1525, 2014. (3.157) (6)
- [179] S. Kotha, R. Ali, A. Tiwari
Synthesis of angularly annulated spirocyclics via involving enyne metathesis and Diels–Alder reaction as key steps.
Synthesis 46, 2471, 2014. (3.157) (14)
- [178] S. Kotha, V. B. Bandarugutta, N. G. Krishna,
Diversity-oriented approach to unusual amino acid derivatives and heterocycles via methyl-2-acetamidoacrylate and its congeners
Tetrahedron 70, 5361, 2014. (2.457) (25)
- [177] S. Kotha, G. T. Waghule
Diversity-oriented approach to cyclophanes via Claisen rearrangement and ring-closing metathesis as key steps.
Tetrahedron Lett. 55, 4264, 2014. (2.415) (12)
- [176] S. Kotha, R. Ali, A. K. Chinnam
Diversity oriented approach to spirocycles via ring-closing metathesis.
Tetrahedron Lett. 55, 4492, 2014. (2.415) (18)
- [175] S. Kotha, O. Ravikumar
Design and synthesis of oxa-bowls via Diels–Alder reaction and ring-rearrangement metathesis as key steps.
Tetrahedron Lett. 55, 5781, 2014. (2.415) (19)
- [174] S. Kotha, N. Sreenivasachary, D Deodhar, S. Mobin
Crystal structure of caged derivative pentacyclo[5.4.0.0^{2,6}.0^{3,10}.0^{5,9}]undeca-8, 11dione ethylene dithioketal
Acta. Cryst. E70, 246, 2014.
- [173] S. Kotha, R. Gunta
Crystalstructure of 1,3-diallyl-1,3,3a4,7,7a-hexahydro-4,7-methano-2-benzothiophene 2,2-dioxide
Acta. Cryst. E70, o1163, 2014.
- [172] S. Kotha, S. Banerjee, S. Mobin
Correlation between carbon-carbon bond length and the ease of retro Diels-Alder reaction
J. Chem. Sci. 126, 1369, 2014. (1.573) (2)
- [171] S. Kotha, V. Seema. D. Deodhar, S. Mobin
Cystral structures of 3,6-diallyltetracyclo-[6.3.0.0^{4,11}.0^{5,9}]undeca-2,7-dione and 1,7-diallyl-pentacyclo [5.4.0.0^{2,6}.0^{3,10}.0^{5,9}]undecane-8,11-dione: allylated caged compounds
Acta Cryst. E70, 410, 2014.
- [170] S. Kotha, D. Deodhar, P. Khedkar
Diversity-oriented synthesis of medicinally important 1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid (Tic) derivatives and higher analogs
Org. Biomol. Chem. 12, 9054, 2014. (3.876) (27)
- [169] S. Kotha, M. K. Dipak

- Design and synthesis of novel bis-annulated caged polycycles via ring-closing metathesis: Pushpakenediol
Beilstein J. Org. Chem. 10, 2664, 2014. (2.883) (15)
- [168] S. Kotha, M. E. Shirbhate
Design of new synthetic strategies to cyclophanes via ring-closing metathesis.
Tetrahedron Lett. 55, 6972, 2014. (2.415) (11)
- [2013] (7 publications)**
- [167] S. Kotha, M. Meshram
Functionalization of anthracene by strategic utilization of the Diels–Alder reaction and the ring-closing metathesis
J. Indian Chem. Soc. 90, 1789, 2013. (0.284) (4)
- [166] S. Kotha, S. Misra, S. Gaddamedi, V. B Bandarugattu
Non-Metathetic Behavior of Olefin Metathesis Catalysts
Curr. Org. Chem. 17, 2776, 2013. (2.180) (21)
- [165] S. Kotha, R. Ali, A. Tiwari
Diversity-oriented approach to novel spirocyclic compounds *via* enyne metathesis, Diels–Alder reaction and a [2+2+2] cycloaddition as key steps
Synlett 1921, 2013. [Highlighted in Synfacts, 2013, 9(11), 1172]. (2.454) (24)
- [164] S. Kotha, S. Banerjee
Recent developments in the retro-Diels–Alder reaction
RSC Adv. 3, 7642, 2013. (3.361) (58)
- [163] S. Kotha, D. Goyal, A. Bitra, N. Thota, G. Kruger, R. Anand
Diversity oriented approach to triazole based peptidomimetics as mammalian sterile 20 kinase inhibitors.
RSC Adv. 3, 24447, 2013. (3.119) (14)
- [162] S. Kotha, A. K. Chinnam, A. Tiwari
Synthesis of indole-based propellane derivatives *via* Weiss–Cook condensation, Fischer indole cyclization and ring-closing metathesis as key steps
Beilstein J. Org. Chem. 9, 2709, 2013. (2.883) (14)
- [161] S. Kotha, D. Goyal, A. S. Chavan
Diversity oriented approaches to unusual α -amino acids and peptides: step economy, atom economy, redox economy and beyond.
J. Org. Chem. (Perspective), 78, 12288, 2013. 4.354 (87)
[Please see: [<http://pubs.acs.org/page/jocea/perspectives/index.html>].
- [2012] (9 publications)**
- [160] S. Kotha, V. Srinivas, N. G. Krishna
Diversity oriented approach to 9-aryl substituted naphthoxepine derivatives *via* Claisen rearrangement, ring closing metathesis and Suzuki–Miyaura coupling as key steps.
Heterocycles 86, 1555, 2012. (0.831) (11)
- [159] S. Kotha, M. E. Shirbhate
Diversity oriented approach to macrocyclic cyclophane derivatives *via* ring-closing metathesis.
Synlett, 2183, 2012. (2.454) (14)
- [158] S. Kotha, G. Waghule
Diversity oriented approach to crownphanes by enyne metathesis and Diels–Alder reaction as key steps.
J. Org. Chem. 77, 6314, 2012. (4.354) (51)
- [157] S. Kotha, S. Misra, V. Srinivas
Diversity oriented approach to polycyclics compounds through the

- Diels–Alder reaction and the Suzuki coupling.
Eur. J. Org. Chem. 4052, **2012**. (3.021) (17)
- [156] S. Kotha, D. Goyal (née Bansal), S. Banerjee, A. Datta
A Novel di-triazole based peptide as a highly sensitive and selective
fluorescent chemosensor for Zn²⁺ ions.
Analyst 137, 2871, **2012**. (4.616) (19)
- [155] S. Kotha, P. Khedkar
Rongalite: A useful green reagent in organic synthesis
Chem. Rev. 112, 1650, **2012**. (60.622) (86)
- [154] S. Kotha, D. Goyal (née Bansal), N. Thota, V. Sreenivas
Synthesis of modified phenylalanine peptides by cross-ene metathesis
and a Diels–Alder reaction as key steps
Eur. J. Org. Chem. 1843, **2012**. (3.021) (22)
- [153] S. Kotha, A. S. Chavan, S. Mobin
Diversity oriented approach to macrocyclic cyclophane derivatives
by Suzuki–Miyaura cross-coupling and olefin metathesis as key steps.
J. Org. Chem. 77, 482, **2012**. (4.354) (54)
- [152] S. Kotha, M. K. Dipak
Strategies and tactics in olefin metathesis
Tetrahedron 68, 397, **2012**. (2.457) (132)
- [2011] (10 publications)
- [151] S. Kotha, V. Seema
Diversity oriented synthesis of biaryl derivatives using cross-ene metathesis,
Diels–Alder reaction and Suzuki–Miyaura cross-coupling as key steps.
Synlett 2329, **2011**. (2.454) (21)
- [150] S. Kotha, N. G. Krishna
Synthetic approach to linearly annulated tetralin-based constrained
 α -amino acid derivatives *via* rongalite.
Current Science 101, 923, **2011**. (1.102) (7)
- [149] S. Kotha, N. G. Krishna, S. Misra, P. Khedkar
Synthesis of linearly and angularly fused constrained α -amino acid
derivatives
Synthesis 2945, **2011**. (3.157) (4)
- [148] S. Kotha, N. G. Krishna, S. Halder, S. Misra
A synergistic approach to polycyclics *via* a strategic utilization of Claisen
rearrangement and olefin metathesis.
Org. Biomol. Chem. 9, 5597, **2011**. (3.876) (43)
- [147] S. Kotha, S. Misra, S. M. Mobin
A new approach to 3-substituted tetrahydro- β -carboline derivative *via*
diethyl acetamidomalonate
Amino Acids 41, 933, **2011**. (3.520) (3)
- [146] S. Kotha, M. K. Dipak, S. M. Mobin
Serendipitous and acid catalyzed synthesis of spirolactones.
Tetrahedron 67, 4616, **2011**. (2.457) (13)
- [145] S. Kotha, V. Seema, S. M. Mobin
Synthesis of biaryl derivatives by using ruthenium mediated [2+2+2]
cyclootrimerization and Suzuki–Miyaura cross-coupling as key steps
Synthesis 1581, **2011**. (3.157) (10)
- [144] S. Kotha, D. Bansal, K. Singh, S. Banerjee
Synthesis of new fluorescent macrocyclic α -amino acid derivatives *via* tandem

- cross-enyne/ring-closing metathesis cascade catalyzed by ruthenium based catalysts
J. Organomet. Chem. 696, 1856, 2011. (2.369) (19)
- [143] S. Kotha, M. Meshram
Synthesis of polycyclic aromatics from a diiodosultine by Suzuki–Miyaura cross-coupling and Diels–Alder reaction
Heterocycles 82, 1663, 2011. (0.831) (9)
- [142] S. Kotha, A. S. Chavan, M. K. Dipak
Synthetic approach to cis and trans-decalins via Diels–Alder reaction and ring-closing metathesis as key steps: further extension to dioxapropellane derivatives by ring-closing metathesis.
Tetrahedron 67, 501, 2011. (2.457) (13)
- [2010] (5 publications)**
- [141] S. Kotha, R. Sivakumar
A simple approach to a curved hexaquinane
Arkivoc 90, 2010. (1.140) (4)
- [140] S. Kotha, A. S. Chavan
Design and synthesis of benzosultine-sulfone as a *o*-xylylene precursor via cross-enyne metathesis and Rongalite: Further expansion to polycyclics via regioselective Diels–Alder reaction.
J. Org. Chem. 75, 4319, 2010. (4.354) (49)
- [139] S. Kotha, V. Seema, K. Singh, K. D. Deodhar
Strategic utilization of catalytic metathesis and photo-thermal metathesis in polycyclic frames.
Tetrahedron Letts. 51, 2301, 2010. (2.415) (22)
- [138] S. Kotha, S. Halder
Ethyl isocyanoacetate as useful glycine equivalent
Synlett 337, 2010. (2.454) (50)
- [137] S. Kotha, S. Misra, N. G. Krishna, D. Nagaraju
Diversity oriented approach to 1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid (Tic) derivatives using diethyl acetamidomalonate as a glycine equivalent: Further expansion by Suzuki–Miyaura cross-coupling reaction.
Heterocycles 80, 847, 2010. (0.831) (11)
- [2009] (7 publications)**
- [136] S. Kotha, D. Kashinath, M. Lopus, D. Panda
Synthesis of nano-sized C₃-symmetric 2,4,6-triphenyl-1,3,5-s-triazene and 1,3,5-triphenyl benzene derivatives via the trimerization followed by Suzuki–Miyaura cross-coupling or *O*-alkylation reaction and their biological evaluation.
Indian J. Chem. 48B, 1766, 2009. (0.592) (5)
- [135] S. Kotha, P. Khedkar
Differential reactivity pattern of hybrid *o*-quinodimethane precursors: Strategic expansion to annulated benzocycloalkanes via rongalite
J. Org. Chem. 74, 5667, 2009. (4.354) (46)
- [134] S. Kotha, M. Meshram, A. Tiwari
Advanced approach to polycyclics by a synergistic combination of enyne Metathesis and Diels–Alder reaction
Chem. Soc. Rev. 38, 2065, 2009. (54.564) (112)
- [133] S. Kotha, P. Khedkar
A diversity-oriented approach to diphenylalkane derivatives by strategic utilization of [2+2+2] cyclotrimerization, cross-enyne metathesis and Diels–Alder reaction

- Eur. J. Org. Chem.* 730, 2009. (3.021) (29)
- [132] S. Kotha, A. C. Deb, K. Lahiri, E. Manivannan
Selected synthetic strategies to spirocyclics.
Synthesis 165, 2009. (3.157) (254)
- [131] S. Kotha, D. Bansal, R. Vinodkumar
Synthesis of symmetrical and unsymmetrical trisubstituted benzene
derivatives through ring closing alkyne metathesis strategy and depropargylation
under various catalyst.
Indian J. Chem. 225, 2009. (0.592) (12)
- [130] S. Kotha, K. Mandal
A retrospective on the design and synthesis of novel molecules through a strategic
consideration of metathesis and Suzuki–Miyaura cross-coupling reaction.
Chem. Asian J. 4, 354, 2009. (4.568) (70)
- 2008 (8 publications)**
- [129] S. Kotha, S. Misra, S. Halder
Benzannulation.
Tetrahedron 64, 10775, 2008. (2.457) (120)
- [128] S. Kotha, P. Khedkhar
Synthesis of conformationally constrained phenylalanine derivative by a strategic
combination of ring-closing enyne metathesis and Diels–Alder reaction.
Synthesis 2925, 2008. (3.157) (22)
- [127] S. Kotha, D. Kashinath, S. Kumar
Synthesis of liquid crystalline materials based on 1,3,5-triphenylbenzene and
2,4,6-triphenyl-1,3,5-triazine.
Tetrahedron Lett. 49, 5419, 2008. (2.415) (64)
- [126] S. Kotha, A. Deb
Design and synthesis of spiro-heterocycles by ring-closing metathesis.
Indian J. Chem. 47B, 1120, 2008. (0.592) (18)
- [125] S. Kotha, V. R. Shah
Synthesis of C₃-symmetric and C₄-symmetric amino acid derivatives via
Suzuki–Miyaura cross-coupling reaction.
Amino Acids 35, 83, 2008. (3.520) (9)
- [124] S. Kotha, V. R. Shah, P. P. Mishra, A. Datta
Design and synthesis of a novel anthracene-based fluorescent probe through
the application of the Suzuki–Miyaura cross-coupling reaction
Amino Acids 35, 169, 2008. (3.520) (6)
- [123] P. Kumaradhas, Kundan R. Gupta, S. Kotha, E. Brahmachari, K.A. Nirmala
Crystal Structure of 2,6-Diisocyno-1,2,3,5,6,7-hexahydro-s-indacene-2,6-
dicarboxylic acid diethyl ester.
Analytical Sciences 24, 65, 2008. (2.081) (0)
- [122] S. Kotha, V. R. Shah
Design and Synthesis of 1-benzazepine derivatives by strategic utilization
of Suzuki–Miyaura cross-coupling, aza-Claisen rearrangement and
ring-closing metathesis.
Eur. J. Org. Chem. 1054, 2008. (3.021) (56)
- [2007] (11 publications)**
- [121] S. Kotha, V. R. Shah
Synthesis of bis and trisoxazole derivatives via Suzuki–Miyaura cross-coupling
and Van Leusen oxazole synthesis.
Synthesis 3653, 2007. (3.157) (11)

- [120] S. Kotha, K. Lahiri
Synthesis of diverse polycyclic compounds *via* catalytic metathesis.
Synlett 2767, 2007. (2.454) (120)
- [119] S. Kotha, K. Singh
Cross-ene and ring-closing metathesis cascade: A building-block approach suitable for diversity-oriented synthesis of densely functionalized macro-heterocycles with amino acid scaffolds.
Eur. J. Org. Chem. 5909, 2007. (3.021) (34)
- [118] S. Kotha, D. Kashinath and P. Khedkar
Synthesis of crown-based sulfones *via* Rongalite: Diversity oriented approach to annulated benzocrowns by Diels–Alder reaction.
Synthesis 3357, 2007. (3.157) (13)
- [117] S. Kotha, K. Mandal
Metathesis of a novel dienediynes system. A unique example involving the usage of in situ generated ethylene as cross-ene methathesis partner.
J. Organomet. Chem. 629, 4921, 2007. (2.369) (11)
- [116] S. Kotha, P. Khedkar
Synthesis of conformationally constrained α -imino acid derivatives *via* ring-closing metathesis.
Indian J. Chem. 46B, 975, 2007. (0.592) (4)
- [115] S. Kotha, V. R. Shah, K. Mandal
Formation of arenes *via* diallylarenes: strategic utilization of Suzuki–Miyaura Cross-coupling, Claisen rearrangement and ring-closing metathesis.
Adv. Synth. Cat. 1159, 2007. (5.837) (55)
- [114] S. Kotha, V. R. Shah, S. Halder, R. Vinodkumar, K. Lahiri
Synthesis of bis-armed amino acid derivatives *via* the alkylation of ethylisocynoacetate and the Suzuki–Miyaura cross-coupling reaction.
Amino Acids 32, 387, 2007. (3.520) (9)
- [113] S. Kotha, S. Banerjee
Synthesis of novel 1, 2, 3, 4-tetrahydroquinoline-3-carboxylic acid derivatives through the application of rongalite: a synergetic combination of [2+2+2] and [4+2]-cycloaddition reactions.
Synthesis 1015, 2007. (3.157) (17)
- [112] S. Kotha, K. Mandal, S. Banerjee
Synthesis of novel quinone-amino acid hybrids *via* cross-ene metathesis and Diels–Alder reaction as key steps.
Eur. J. Org. Chem. 1244, 2007. (3.021) (37)
- [111] S. Kotha, K. Lahiri
Expanding the diversity of polycyclic aromatics through a Suzuki–Miyaura cross-coupling strategy.
Eur. J. Org. Chem. 1221, 2007. (3.021) (98)
- [2006] (8 Publications)
- [110] S. Kotha
Synthesis of novel polycyclics *via* catalytic metathesis.
Punjab Univ. Res. J. (Science) 56, 223, 2006. (invited article) (NA) (0)
- [109] S. Kotha, M. Behera
Preparation of functionalized tetraphenylmethane derivatives *via* the Suzuki–Miyaura cross-coupling reaction.
Indian J. Chem. 45B, 2684, 2006. (0.592) (4)
- [108] S. Kotha, K. Mandal
Suzuki–Miyaura cross-coupling and ring-closing metathesis: A strategic

- combination for the synthesis of cyclophane derivatives.
Eur. J. Org. Chem. 5387, **2006**. (3.021) (27)
- [107] S. Kotha, K. Mandal, A. Tiwari, S. M. Mobin
Diversity-oriented approach to biologically relevant molecular frameworks starting with β -naphthol and using the Claisen rearrangement and olefin metathesis as key steps.
Chem. Eur. J. 8024, **2006**. (5.236) (74)
- [106] S. Kotha, M. K. Dipak
Design and synthesis of novel propellanes by using Claisen rearrangement and ring-closing metathesis as the key steps.
Chem. Eur. J. 4446, **2006**. (5.236) (60)
- [105] S. Kotha, S. Banerjee, M. P. Patil, R. B. Sunoj
Retro Diels–Alder reaction under mild conditions: experimental and theoretical studies.
Org. Biomol. Chem. 4, 1854, **2006**. (3.876) (21)
- [104] S. Kotha, A. Deb, S. Chattopadhyay
Design and synthesis of spirocyclics *via* the Diels–Alder reaction and ring-opening cross-metathesis as key steps.
Lett. Org. Chem. 3, 128, **2006**. (0.867) (13)
- [103] S. Kotha, A. K. Ghosh
A new and simple synthetic approach to functionalized sulphone derivatives by the Suzuki–Miyaura cross-coupling reaction.
Indian J. Chem. 45(B), 227, **2006**. (0.592) (10)
- [2005] (9 Publications)**
- [102] S. Kotha, E. Brahmachary, K. Lahiri
Transition metal-catalyzed [2+2+2] cycloaddition and application in organic synthesis.
Eur. J. Org. Chem. 4741, **2005**. (3.021) (501)
- [101] S. Kotha, P. Khedkar, A. K. Ghosh
Synthesis of symmetrical sulfones from ronalite: Expansion to cyclic sulfones by ring-closing metathesis.
Eur. J. Org. Chem. 3581, **2005**. (3.021) (27)
- [100] S. Kotha, K. Mandal, S. K. Arora, V. Pedireddi
New Synthetic approach to a [1.1.6] metapara cyclophane derivative *via* Suzuki–Miyaura cross-coupling and ring-closing metathesis.
Adv. Synth. Cat. 1215, **2005**. (5.837) (38)
- [99] S. Kotha, M. Behera, V. R. Shah
A simple synthetic approach to allylated aromatics *via* the Suzuki–Miyaura cross-coupling reaction.
Synlett 1877, **2005**. (2.454) (52)
- [98] S. Kotha, D. Kashinath
Synthesis of functionalized benzo-18-crown-6 compounds *via* the Suzuki–Miyaura cross-coupling reaction.
Synthesis 971, **2005**. (3.157) (3)
- [97] S. Kotha, A. C. Deb, R. Vinodkumar
Spiro-annulation of barbituric acid derivatives and its analogs by ring-closing metathesis reaction.
Bioorg. Med. Chem. Lett. 15, 1039, **2005**. (2.823) (61)
- [96] S. Kotha, K. Lahiri
Post-assembly peptide modifications by chemical methods.
Curr. Med. Chem. 12, 849, **2005**. (4.530) (27)

- [95] S. Kotha, R. Sivakumar
An iterative approach to higher polyquinanes.
Arkivoc (xi), 78, **2005**. (1.140) (7)
- [94] S. Kotha, S. Halder
Synthesis of macrocyclic cyclophane-based unusual α -amino acid derivatives.
Arkivoc (iii) 56, **2005**. (1.140) (16)
- [2004] (17 publications)**
- [93] S. Kotha, S. Banerjee, K. Mandal
Oxidative dehydrogenation and the aromatization of polycycles using
o-iodoxybenzoic acid (IBX).
Synlett 2043, **2004**. (2.454) (10)
- [92] S. Kotha, A. K. Ghosh
Cycloaddition approach to benzo-annulated indane based α -amino acid
derivatives
Tetrahedron 60, 10833, **2004**. (2.457) (52)
- [91] S. Kotha, K. Singh
N-Alkylation of diethyl acetamidomalonate: Synthesis of constrained amino acid
derivatives by ring-closing metathesis reaction.
Tetrahedron Lett. 45, 9607, **2004**. (2.415) (25)
- [90] S. Kotha, K. Mandal, A. C. Deb, S. Banerjee
Microwave assisted Claisen rearrangement on a silica gel support
Tetrahedron Lett. 45, 9603, **2004**. (2.415) (51)
- [89] S. Kotha, M. Behera, P. Khedkar
Environmentally benign processes for the synthesis of *N*-formyl amino acid esters
Tetrahedron Lett. 45, 7589, **2004**. (2.415) (16)
- [88] S. Kotha, A. K. Ghosh
A Diels–Alder approach for the synthesis of highly functionalized benzo-annulated
indane-based α -amino acid derivatives *via* sultine intermediate.
Tetrahedron Lett. 45, 2931, **2004**. (2.415) (35)
- [87] S. Kotha, K. Mandal
A new protocol for benzoannulation by double Claisen rearrangement and
ring-closing metathesis reaction as key steps.
Tetrahedron Lett. 45, 2585, **2004**. (2.415) (63)
- [86] S. Kotha, K. Mandal
Metathetic approach to naphthoxepin and spirocyclic molecular frame works.
Tetrahedron Lett. 45, 1391, **2004**. (2.415) (58)
- [85] P. K. Thallapally, R. K. Jetti, A. K. Katz, H. L. Carrel, K. Singh, K. Lahiri,
S. Kotha, R. Bose, G. Desiraju
Polymorphism of 1, 3, 5-trinitrobenzene induced by trisindane additive.
Angew. Chem. Int. Ed. 43, 1149, **2004**. (15.336) (113)
- [84] S. Kotha, D. Kashinath, K. Lahiri, R. B. Sunoj
Synthesis of C_3 -symmetric nano-sized polycyclic compounds by trimerization and
Suzuki–Miyaura cross-coupling reactions.
Eur. J. Org. Chem. 4003, **2004**. (3.021) (76)
- [83] S. Kotha, M. Behera
Alkylation of isonitrile derivatives with 2,2'-bis(bromomethyl)1,1'-biphenyl.
Indian J. Chem. 43B, 922, **2004**. (0.592) (4)
- [82] S. Kotha, M. Behera
Synthesis and modification of dibenzylglycine derivatives *via* the Suzuki–Miyaura
cross-coupling reaction.

- J. Peptide. Res.* 64, 72, 2004. (1.303) (8)
- [81] S. Kotha, A. Ghosh
The Diels–Alder approach for the synthesis of tetralin-based α -amino acid derivatives and their modification by Suzuki–Miyaura cross-coupling reaction. *Synthesis* 558, 2004. (3.157) (27)
- [80] S. Kotha, A. Ghosh, Deodhar, K.D.
Synthesis of symmetrical and unsymmetrical 9, 10-diarylanthracene derivatives via bis Suzuki–Miyaura cross-coupling reaction *Synthesis* 549, 2004. (3.157) (30)
- [79] S. Kotha, E. Brahmachary
Synthesis and reactions of silicon containing cyclic α -amino acid derivatives. *J. Organomet. Chem.* 689, 158, 2004. (2.369) (18)
- [78] L. Damodharan, V. Pattabhi, M. Behera, S. Kotha
Optimization of interactions in crystal packing revealed by crystal structures [ethyl 2-(formylamino)-3-thien-2-yl-2-(thien-2-ylmethyl)propanoate and ethyl 3-(5-bromothien-2-yl)-2-[(5-bromothien-2-yl)methyl]-2-(formylamino)propanoate] *J. Molecular. Stru.* 705, 101, 2004. (3.196) (9)
- [77] L. Damodharan, V. Pattabhi, M. Behera, S. Kotha
Conformational switching caused by bibenzyl substitution at C $^{\alpha}$ position: ethyl 2-benzyl-2-(formyl-amino)-3-phenylpropionate and ethyl 3-(1,1'-biphenyl-4-yl)-2-(formylamino)-2-(4-phenylbenzyl)propionate *Acta. Cryst. C60*, 527, 2004. (0.897) (4)
- [2003] (6 publications)
- [76] S. Kotha, K. Lahiri
Application of the Suzuki–Miyaura cross-coupling reaction for the modification of phenylalanine peptides. *Biopolymers* 69, 517, 2003. (2.505) (32)
- [75] S. Kotha, S. Halder
Synthesis of optically active benzocyclobutene and biphenylene based unusual α -amino acid derivatives. *Indian J. Chem.* 42B, 863 2003. (0.592) (3)
- [74] L. Damodhara, V. Pattabhi, R. Sivakumar, S. Kotha
Precursors to dodecahedrane *Acta. Cryst. C59*, 373, 2003. (0.897) (1)
- [73] L. Damodharan, V. Pattabhi, M. Behera, S. Kotha
Ethyl-2-formamido-2-(4-iodobenzyl)-3-(4-iodophenyl) propionate and ethyl-2-(3-bromobenzyl)-3-3-bromophenyl-2-formaidopropionate. *Acta Cryst. C 59*, 216, 2003. (0.897) (8)
- [72] S. Kotha, E. Manivannan
Synthesis of spirocyclics via ring-closing metathesis. *Arkivoc*, (iii) 67, 2003. (1.140) (27)
- [71] S. Kotha
The building block approach to unusual α -amino acid derivatives and peptides. *Acc. Chem. Res.* 36, 342, 2003. (22.384) (152)
- [2002] (14 Publications)
- [70] S. Kotha, K. Lahiri, D. Kashinath
Recent applications of the Suzuki–Miyaura cross-coupling reaction in organic synthesis. *Tetrahedron* 58, 9633, 2002. (2.457) (1664)

- [69] S. Kotha, S. Halder, E. Brahmachary
Synthesis of highly functionalized phenylalanine derivatives *via* cross-ene metathesis reactions.
***Tetrahedron* 58, 9203, 2002.** (2.457) (54)
- [68] L. Damodaran, V. Pattabhi, N. Shamaladevei, M. Behera, S. Kotha.
Ethyl-6-acetylamino-6,7-dihydro-5H-dibenzo[a,c]cycloheptene-6-carboxylate
***Act. Cryst. C58*, 266, 2002.** (0.897) (9)
- [67] S. Kotha, E. Manivannan
Synthesis of functionalized *cis-syn*, *cis*-triquinanes.
***Indian J. Chem. 41B*, 808, 2002.** (0.592) (11)
- [66] S. Kotha, S. Halder, N. Sreenivasachary
Synthesis of dibenzocyclobutenylglycines derivatives.
***Arkivoc* (vii), 21, 2002.** (1.140) (5)
- [65] S. Kotha, S. Halder, K. Lahiri (nee' Chakraborty)
Modification of indane-based unusual α -amino acid derivatives *via* the Suzuki–Miyaura coupling reaction.
***Synthesis* 339, 2002.** (3.157) (25)
- [64] L. Damodharan, B. S. Ibrahim, V. Pattabhi, S. Halder, S. Kotha
anti 2,19-Diethoxycarbonyl-2,19-diformylamino[3.2.3.2]paracyclophane.
***Acta Cryst. E58*, 1038, 2002.** (0.413) (8)
- [63] S. Kotha, A. Ghosh, M. Behera
Synthesis of highly constrained unusual α -amino acid derivatives by the Diels–Alder approach.
***Indian J. Chem. 41B*, 2330, 2002.** (0.592) (12)
- [62] S. Kotha, A. K. Ghosh
Synthesis of 9, 10-diarylanthracenes *via bis* Suzuki–Miyaura cross-coupling reaction.
***Synlett* 451, 2002.** (2.454) (22)
- [61] S. Kotha, R. Sivakumar, L. Damodharan, V. Pattabhi
Synthesis of two new hexaquinanes: Advanced C₂₀ precursors to dodecahedrane
***Tetrahedron Lett.* 43, 4523, 2002.** (2.415) (10)
- [60] S. Kotha, M. Behera, R. Vinod Kumar
Synthesis of highly functionalized dibenzylglycine derivatives *via* the Suzuki–Miyaura coupling reaction.
***Bioorg. Med. Chem. Lett.* 12, 105, 2002.** (2.823) (25)
- [59] S. Kotha, S. Halder, L. Damodharan, V. Pattabhi
First and unexpected synthesis of macrocyclic cyclophane-based unusual α -amino acid derivatives by phosphazene base without high dilution conditions.
***Bioorg. Med. Chem. Lett.* 12, 1113, 2002.** (2.823) (24)
- [58] S. Kotha, R. Stoodley
Enantioselective synthesis of (+)-4-demethoxy-1,4-dimethyl-daunomycinone.
***Bioorg. Med. Chem.* 10, 621, 2002.** (3.641) (16)
- [57] S. Kotha, E. Brahmachary
Synthesis of constrained phenylalanine derivatives *via* a [2+2+2] cycloaddition strategy.
***Bioorg. Med. Chem.* 10, 2291, 2002.** (3.641) (42)
- [2001] (15 publications)**
- [56] S. Kotha, N. Sreenivasachary, E. Brahmachary
Synthesis of benzocycloheptene-based amino acid derivatives *via* a [4+2] cycloaddition reaction as a key step.

	<i>Tetrahedron</i> 57, 6261, 2001.	(2.457)	(18)
[55]	S. Kotha, E. Brahmachary First synthesis of indane-based α -amino acid derivatives with crown ether side chain. <i>Indian J. Chem.</i> 40B, 1, 2001.	(0.592)	(21)
[54]	L. Damodaran, K. Mohanraja, S. Kotha, S. Durani, V. Pattabhi Conformational effects of C ^{α,α} -dipropargylglycine as a constrained residue. <i>Biopolymers</i> 59, 330, 2001.	(2.505)	(9)
[53]	S. Kotha, N. Sreenivasachary, E. Brahmachary Constrained phenylalanine derivatives by enyne metathesis and Diels–Alder reaction. <i>Eur. J. Org. Chem.</i> 787, 2001.	(3.021)	(62)
[52]	S. Kotha, N. Sreenivasachary Synthesis of 1, 2, 3, 4-tetrahydroisoquinoline-3-carboxylic acid (Tic) derivatives by cycloaddition approaches. <i>Eur. J. Org. Chem.</i> 3375, 2001.	(3.021)	(56)
[51]	S. Kotha, E. Manivannan Synthesis of spiro-indanes by cycloaddition strategy. <i>J. Chem. Soc. Perkin Trans. 1</i> , 2543, 2001.	(2.420)	(25)
[50]	S. Kotha, R. Sivakumar, E. Manivannan. Allylation of bicyclo(3.3.0)octane-3,7-dione derivatives <i>via</i> fragmentation methodology. <i>Indian J. Chem.</i> 40B, 1245, 2001.	(0.592)	(2)
[49]	S. Kotha, K. Lahiri, N. Sreenivasachary Synthesis of useful benzocyclobutene building blocks <i>via</i> the Suzuki–Miyaura coupling reaction. <i>Synthesis</i> 1932, 2001.	(3.157)	(8)
[48]	P. K. Thallapally, K. Chakraborty, A. K. Katz, H. L. Carrell, S. Kotha, G. Desiraju Matching of molecular and supramolecular symmetry. An exercise in crystal engineering. <i>CrystEngComm</i> 31, 1, 2001.	(3.545)	(1)
[47]	S. Kotha, A. Tafesh, K. Davenport, P. Ortiz. Synthesis and carbonylation of arylacetylenes. <i>Indian J. Chem.</i> 40B, 1166, 2001.	(0.592)	(4)
[46]	S. Kotha, K. Lahiri. A new approach for modification of phenylalanine peptides by Suzuki–Miyaura coupling reaction. <i>Bioorg Med. Chem. Lett.</i> 11, 2887, 2001.	(2.823)	(53)
[45]	S. Kotha, N. Sreenivasachary, K. Mohanraja, S. Durani Modification of constrained peptides by ring-closing metathesis reaction. <i>Bioorg. Med. Chem. Lett.</i> 11, 1421, 2001.	(2.823)	(46)
[44]	G. Mehta, S. Kotha Recent chemistry of benzocyclobutenes. <i>Tetrahedron</i> 57, 625, 2001.	(2.457)	(119)
[43]	S. Kotha, N. Sreenivasachary. Synthetic approaches to tetrahydroisoquinoline-3-carboxylic acid derivatives. <i>J. Indian. Inst. Sci.</i> 81, 277, 2001.	(1.742)	(NA)
[42]	S. Kotha, N. Sreenivasachary Catalytic metathesis in organic synthesis. <i>Indian J. Chem.</i> 40B, 763, 2001.	(0.592)	(108)

[2000] (8 publications)

- [41] S. Kotha, E. Brahmachary
Synthesis of indane-based unusual α -amino acid derivatives under phase-transfer catalysis conditions.
J. Org. Chem. 65, 1359, 2000. (4.354) (73)
- [40] S. Kotha, K. Chakraborty
Protection and deprotection sequence in tetracyclo [6.3.0.0^{4,11}.0^{5,9}]undeca-2,7-dione system using tetrachlorosilane.
Indian J. Chem. 39B, 382, 2000. (0.592) (1)
- [39] P. K. Thallapally, K. Charakborty, H. L. Carrell, S. Kotha, G. R. Desiraju
Shape and size effects in the crystal structures of complexes of 1, 3, 5-trinitrobenzene with some trigonal donars: The benzene–thiophene exchange rule.
Tetrahedron 56, 6721, 2000. (2.457) (50)
- [38] S. Kotha, N. Sreenivasachary
A new synthetic approach to 1, 2, 3, 4-tetrahydroisoquinoline-3-carboxylic acid (Tic) derivatives *via* a [2+2+2] cycloaddition reaction.
Bioorg. Med. Chem. Lett. 10, 1413, 2000. (2.823) (51)
- [37] S. Kotha, T. Ganesh, A. K. Ghosh
Diels–Alder approach to tetralin-based constrained α -amino acid derivatives.
Bioorg. Med. Chem. Lett. 10, 1755, 2000. (2.823) (54)
- [36] S. Kotha, S. Halder, E. Brahmachary, T. Ganesh
Synthesis of unusual α -amino acid derivatives *via* cross enyne metathesis reaction.
Synlett 853, 2000. (2.454) (58)
- [35] S. Kotha, N. Sreenivasachary
A new synthetic approach to 1, 2, 3, 4-tetrahydroisquinoline-3-carboxylic acid (Tic) derivatives *via* enyne metathesis and the Diels–Alder reaction.
Chem. Commun. 503, 2000. (6.222) (74)
- [34] S. Kotha, K. Mohanraja, S. Durani
Constrained phenylalanine peptides *via* a [2+2+2] cycloaddition strategy
Chem. Commun. 1909, 2000. (6.222) (55)

[1999] (4 publications)

- [33] S. Kotha, N. Sreenivasachary, S. Halder
First synthesis of optically active benzocyclobutene and biphenylene-based unusual α -amino acid derivatives.
Bioorg Med. Chem. Lett. 9, 2565, 1999. (2.823) (22)
- [32] S. Kotha, E. Manivannan, T. Ganesh, N. Sreenivasachary, A. C. Deb
Spiro-annulation *via* ring-closing metathesis reaction.
Synlett 1618, 1999. (2.454) (57)
- [31] S. Kotha, K. Chakraborty, E. Brahmachary
A general and simple method for the synthesis of star-shaped thiophene derivatives.
Synlett 1621, 1999. (2.454) (61)
- [30] S. Kotha, E. Manivannan, N. Sreenivasachary
Allylation of caged diketones *via* fragmentation methodology
J. Chem. Soc. Perkin Trans. 1, 2845, 1999. (2.420) (19)

[1998] (4 publications)

- [29] S. Kotha, N. Sreenivasachary, E. Brahmachary
Synthesis of constrained α -amino acid derivatives *via* enyne- metathesis reaction.
Tetrahedron Lett. 39, 2805, 1998. (2.415) (73)

- [28] S. Kotha, E. Brahmachary, N. Sreenivasachary.
Synthesis of constrained α -amino acid derivatives *via* Diels–Alder approach.
Tetrahedron Lett. 39, 4095, 1998. (2.415) (52)
- [27] S. Kotha, N. Sreenivasachary
Synthesis of constrained α -amino acid derivatives *via* ring-closing olefin
metathesis.
Bioorg. Med. Chem. Lett. 8, 257, 1998. (2.823) (58)
- [26] S. Kotha, A. Joseph, R. Sivakumar, E. Manivannan
Large scale synthesis of dimethyl 1, 3-acetonedicarboxylate.
Indian J. Chem. 37B, 397, 1998. (0.592) (3)
- [1997] (4 publications)**
- [25] S. Kotha, E. Brahmachary
Synthesis of unusual α -amino acids *via* a [2+2+2] cycloaddition strategy.
Tetrahedron Lett. 38, 3561, 1997. (2.415) (82)
- [24] S. Kotha, E. Brahmachary, R. Sivakumar, A. Joseph, N. Sreenivasachary
A simple route to cyclopentane annulation.
Tetrahedron Lett. 38, 4497, 1997. (2.415) (12)
- [23] S. Kotha, E. Brahmachary, A. Kuki, K. Lang, D. Anglos, B. Singaram,
W. Crisman
Synthesis of a novel constrained α -amino acid with quinoxaline side chain:
7-Amino-6, 7-dihydro-8H-cyclopenta[g]quinoxaline-7-carboxylic acid.
Tetrahedron Lett. 38, 9031, 1997. (2.415) (14)
- [22] S. Kotha, E. Brahmachary
Synthesis of conformationally constrained α -amino acid derivatives using
ethyl isocyanoacetate as a glycine equivalent.
Bioorg. Med. Chem. Lett. 7, 2719, 1997. (2.823) (44)
- Publications from Hoechst (2 publications)**
- [21] S. Kotha
Opportunities in asymmetric synthesis: An industrial prospect.
Tetrahedron 50, 3639, 1994. (2.457) (48)
- [20] A. Tafesh, S. Kotha, K. Davenport.
Preparation of optically active α -arylpropionic acids.
U. S. Patent 5, 223, 640, 1993 (NA) (NA)
- Publications from Cornell (5 publications)**
- [19] S. Kotha, V. Bindra, A. Kuki
Synthesis and reactions of 3, 4-dihydro-2H-1, 4-benzoxazine derivatives.
Heterocycles 5, 1994. (0.831) (8)
- [18] S. Kotha, A. Kuki
Synthesis of new rigid quinone-amino acid and Diels–Alder extension
to higher quinones.
Chem. Lett. 299, 1993. (1.389) (7)
- [17] S. Kotha, A. Kuki
A simple method for the synthesis of cyclic α -amino acids.
Tetrahedron Lett. 33, 1565, 1992. (2.415) (21)
- [16] S. Kotha, D. Anglos, A. Kuki
Friedel–Crafts approach to electron deficient cyclic α -amino acids.
Tetrahedron Lett. 33, 1569, 1992. (2.415) (16)
- [15] S. Kotha, A. Kuki
A new synthetic approach to unusually electron rich α -amino acids.
J. Chem. Soc. Chem. Commun. 404, 1992. (6.222) (4)

Publications from Wisconsin (5 publications)

- [14] S. Kotha, J. M. Cook
Improved method for bisallylation of *cis*-bicyclo(3.3.0)octane-3,7-dione *via* the Claisen rearrangement.
Org. Prep. Proce. Int. 22, 630, 1990. (1.628) (4)
- [13] S. Kotha, S. Hollinshead, D. Grubisha, F. Laib, D. Bennett, J. M. Cook
Synthetic approach to pentaleno[2,1-b:5,4-b']diindoles.
J. Org. Chem. 55, 3858, 1990. (4.354) (9)
- [12] A. K. Gupta, S. Kotha, B. Opansky, J. M. Cook
A general approach to the synthesis of polyquinanes *via* the Weiss reaction.
10. Transient formation of *cis*-tetracyclo[7.2.1.0.^{4,11}.0.^{6,10}]dodeca-3,5,7,9-tetraene and an approach towards 10,11-dimethyl-*cis*-tetracyclo[7.2.1.^{4,11}.0.^{6,10}]dodeca-3,5,7,9-tetraene.
J. Org. Chem. 55, 4480, 1990. (4.354) (8)
- [11] G. Lannoye, S. Kotha, S. Wehrli, J. M. Cook
General approach to the synthesis of polyquinanes *via* the Weiss reaction.
6. Progress towards the synthesis of dicyclopentalenenes.
J. Org. Chem. 53, 2327, 1988. (4.354) (55)
- [10] S. Kotha, G. Kubiak, G. Lannoye, J. M. Cook
General approach to the synthesis of polyquinanes, 9. Monofunctionalization and alteration of the symmetry of the *cis*-bicyclo[3.3.0]octane-3,7-dione unit.
J. Org. Chem. 53, 5173, 1988. (4.354) (11)

Publications from Hyderabad (9 publications)

- [9] G. Mehta, A. Srikrishna, S. Kotha, K. Raja Reddy, K. A. Acharya, V. G. Puranik, S. S. Tavale, T. N. Guru Rao.
Novel polyquinanes from caged hexacyclic [4.4.2] propellane system.
J. Org. Chem. 52, 457, 1987. (4.354) (22)
- [8] G. Mehta, S. Kotha
Reductive carbon-carbon bond cleavage in caged systems. A new general synthesis of linearly fused *cis-syn-cis* triquinanes.
J. Org. Chem. 50, 5537, 1985. (4.354) (54)
- [7] G. Mehta, S. Kotha, A. P. Marchand, R. Kaya
Studies on the flash vacuum pyrolysis and anomalous course of alkali metal promoted reductions of 8-methylenepentacyclo[5.4.0.^{2,6}.0.^{3,10}.0^{5,9}]undecan-11-one.
J. Org. Chem. 49, 3848, 1984. (4.354) (16)
- [6] G. Mehta, S. Kotha
A general synthetic approach to *cis-syn-cis* triquinanes *via* reductive carbon-carbon bond cleavage in polycyclic frames: Strategy for bis-cyclopentane annulation of 1,3-cyclopentadiene.
Tetrahedron Lett. 24, 809, 1983. (2.415) (12)
- [5] M. M. Bhadhade, K. Venkatesan, G. Mehta and S. Kotha
Structure of pentacyclo[7.4.0.^{2,6}.0.^{6,15}.0^{11,14}]pentadeca-4-ene-7,13-dienone, a novel pentacyclic C₁₅-quinane system.
Acta. Cryst. B. 38, 1357, 1982. (NA) (1)
- [4] G. Mehta, S. Kotha
Novel carbonium ion mediated rearrangements of (homocunenone) (Pentacyclo[4.3.0.0.^{2,4}.0.^{3,8}.0^{5,7}]nonan-9-one).
Indian J. Chem. 21B, 981, 1982. (0.592) (1)
- [3] G. Mehta, S. Kotha, M. M. Bhadhade, K. Venkatesan
Novel rearrangement to a pentacyclopentanoid (polyquinane) system.

- J. Chem. Soc. Chem. Commun.* 755, 1981. (6.222) (22)
- [2] G. Mehta, S. Kotha, S. C. Suri, T. S. Cameron and C. Chan
 Cubanes uncaged: Novel carbonium ion rearrangements of pentacyclo-
 [4.3.0.0^{2,5}.0^{3,8}.0^{4,7}]nonan-9-ones (homocubanones) to bicycle[3.2.1]
 octa-2,6-diene and tetracyclo[3.3.0.0. 0^{2,6}.0^{3,8}]octane ring systems.
J. Chem. Soc. Chem. Commun. 650, 1980. (6.222) (5)
- [1] G. Mehta, V. Singh, S. Kotha
 On the fluxional behaviour of polycyclic [4.4.2]propella-2,4-diene.
Tetrahedron Lett. 21, 1369, 1980. (2.415) (18)

Journal wise Analysis of Kotha's publications (320) as of April 20, 2022.

	Journal name	Publisher	IF	<1994	From IIT	Total
1	<i>Tetrahedron Lett</i>	Elsevier	2.415	4	31	35
2	<i>Indian J. Chem.</i>	CSIR	0.592	1	27	28
3	<i>Tetrahedron</i>	Elsevier	2.457	1	23	24
4	<i>Synthesis</i>	Thieme	3.157	0	21	21
5	<i>Eur. J. Org. Chem.</i>	Wiley	3.021	0	20	20
6	<i>Heterocycles</i>	Elsevier	0.831	1	18	19
7	<i>J. Org. Chem.</i>	ACS	4.354	7	11	18
8	<i>Acta Cryst. B, C, E</i>	Wiley	-	1	17	18
9	<i>Beilstein. J. Org. Chem.</i>	Beilstein-Institut	2.883	0	16	16
10	<i>Synlett</i>	Thieme	2.454	0	13	13
11	<i>Bioorg. Med Chem. Lett</i>	Elsevier	2.823	0	10	10
12	<i>ChemistrySelect</i>	Wiley	2.109	0	8	8
13	<i>Asian JOC</i>	Wiley	3.319	0	6	6
14	<i>Chem. Asian. J</i>	Wiley	4.568	0	6	6
15	<i>Arkivoc</i>	Arkat USA	1.140	0	5	5
16	<i>Chem. Commun.</i>	RSC	6.222	3	2	5
17	<i>Org. Biomol. Chem.</i>	RSC	3.876	0	5	5
18	<i>J. Chem. Science</i>	Springer	1.573	0	5	5
19	<i>ACS Omega</i>	ACS	3.512	0	4	4
20	<i>Amino Acids</i>	Springer	3.520	0	4	4
21	<i>J. Organomet. Chem.</i>	Elsevier	2.369	0	4	4
22	<i>J. Indian Chem. Soc.</i>	Ind.Chem.Soc.	0.284	0	3	3
23	<i>RSC Advances</i>	RSC	3.361	0	3	3
24	<i>Adv. Synth. Cat</i>	Wiley	5.837	0	3	3
25	<i>Chemical Record</i>	Wiley	6.771	0	3	3
26	<i>Bioorg. Med. Chem.</i>	Elsevier	3.641	0	2	2
27	<i>Biopolymers</i>	Wiley	2.505	0	2	2
28	<i>Chem. Eur. J</i>	Wiley	5.236	0	2	2
29	<i>JCS Perkin Trans. 1</i>	RSC	2.420	0	2	2
30	<i>J. Mol. Stre.</i>	Elsevier	3.196	0	2	2
31	<i>Acc. Chem. Res.</i>	ACS	22.384	0	1	1
32	<i>ACS Com. Sci.</i>	ACS	3.784	0	1	1
33	<i>Analyst</i>	RSC	4.616	0	1	1
34	<i>Analytical Science</i>	Japan Society	2.081	0	1	1
35	<i>Angew. Chem. Int. Ed.</i>	Wiley	15.336	0	1	1
36	<i>Chem. Lett.</i>	Chem. Soc. Japan	1.389	1	0	1
37	<i>Chem. Rev</i>	ACS	60.622	0	1	1
38	<i>Chem. Soc. Rev.</i>	RSC	54.564	0	1	1
39	<i>CrystEngcommun.</i>	RSC	3.545	0	1	1
40	<i>Curr. Med. Chem.</i>	Bentham Science	4.530	0	1	1
41	<i>Curr. Org. Chem.</i>	Bentham Science	2.180	0	1	1
42	<i>Curr. Sci.</i>	IASc.	1.102	0	1	1
43	<i>J. Indian Inst. Sci.</i>	IISC	1.742	0	1	1
44	<i>J. Pep. Res.</i>	Wiley	1.303	0	1	1
45	<i>Lett. Org. Chem.</i>	Bentham Science	0.867	0	1	1
46	<i>Org. Lett.</i>	ACS	6.005	0	1	1
47	<i>Org. Prep. Proc. Int</i>	Taylor & Francis	1.628	1	0	1
48	<i>Punjab Univ. Res. J.</i>	Punjab	-	0	1	1
49	<i>Turkish J. Chem</i>	STRC-Turkey	1.239	0	1	1
50	<i>ChemCatChem</i>	Wiley	5.686	0	1	1
51	<i>U.S /Indian Patent</i>		-	1	1	2
52	<i>Book Chapter</i>	Wiley		0	1	1
	<i>Total</i>			21	299	320

Details of Ph. D. students

No	Name/Roll No/ support	Title of the thesis	Joined on	Completed Ph. D. on
1	Mr. E. Brahmachary 94403304/IIT, CSIR	Development of new methodologies for the synthesis of conformationally constrained unusual α -amino acid derivatives	Jul 1994	Jan 2000
2	Mr. N. S. Chary 94003305/IIT, CSIR	Design of new building blocks for the synthesis of unusual α -amino acid derivatives	Jan 1995	Jan 2001
3	Mr. R. Sivakumar 95403602/Pro/CSIR	A novel synthetic approach to dodecahedrane	Jul 1995	Aug 2001
4	Mr. E. Manivannan 95403304/IIT	Synthesis and reactions of polycyclic systems.	Jul 1995	Aug 2001
5	Mr. S. Halder 96403005/IIT	Development of new methodologies for the synthesis of constrained phenylalanine derivatives	Jul 1996	July 2002
6	Ms. K. Lahiri 96403004/IIT	Synthesis of benzocyclobutene derivatives, C ₃ -symmetric molecules and unusual peptides via the Suzuki–Miyura coupling reaction	Jul 1996	July 2002
7	Mr. K. Mohanraja 96403001/IIT	Stereochemical effects in peptide design: Design and analysis of heterochiral and α , α -dialkyl peptides	Jul 1996	Apr 2002
8	Mr. M. Behera 97403005/CSIR	Synthesis of tetraphenylmethane derivatives, dibenzylglycines and allylated aromatics <i>via</i> the Suzuki–Miyura coupling reaction	Jul 1997	Oct 2003
9	Mr. A. Ghosh 97403005/IIT	Cycloaddition approach to constrained α -amino acid derivatives and the synthesis of 9,10 diarylanthracenes <i>via</i> Suzuki coupling reaction	Jul 1997	Sep 2003
10	Mr. A. C. Deb 97403701/external	New synthetic approaches to spirocyclics	Jul 1997	Nov 2004
11	Mr. D. Kasinath 99403309/CSIR	Synthesis of C ₃ -symmetric polyaromatic compounds and functionalized benzocrowns <i>via</i> the trimerization, Suzuki–Miyaura cross-coupling and Diels–Alder reactions as key steps	Jan 2000	June 2005
12	Mr. K. Mandal 00403901/CSIR	Synthesis of polycyclics and unusual α -amino acid derivatives <i>via</i> olefin metathesis	Aug 2000	Apr 2006
13	Mr. S. Banerjee 01403308/UGC	Synthetic approaches to novel polycyclics <i>via</i> the Diels–Alder reaction	Aug 2001	Feb 2007
14	Mr. K. Singh 01403307/CSIR	Synthetic approaches to novel heterocycles and carbocycles <i>via</i> metathesis	Aug 2001	June 2007
15	Mr. V. Shah 02403304/CSIR	Strategic utilization of Suzuki–Miyaura cross coupling reaction and ring-closing metathesis in organic synthesis	Aug 2002	Jan 2008
16	Ms. P. Khedkar 02403002/IIT/CSIR	Strategic utilization of olefin metathesis and ronalite towards the synthesis of diversified molecular frames	Aug 2002	Aug 2008
17	Mr. M. K. Dipak 03403313/CSIR	Design and synthesis of novel polycyclics <i>via</i> catalytic metathesis	Aug 2003	Dec 2008
18	Ms. A. Tiwari 04403304/CSIR	Design and synthesis of spirocyclics, propellanes and cyclophanes <i>via</i> olefin metathesis	Aug 2004	March 2012
19	Ms. N. G. Krishanan 05403311/TA-IITB	Diversity-oriented approach towards constrained α -amino acid derivatives and biologically relevant molecules	Aug 2005	March 2012

20	Mr. S. Vittal 05403005/UGC	Synthetic approaches to novel polycyclics <i>via</i> olefin metathesis	Aug 2005	June 2011
21	Ms. S. Misra 05403311/CSIR	Design and synthesis of novel constrained α -amino acid derivatives	Jan 2006	June 2011
22	Mr. A. Chavan 06403316/CSIR	New synthetic strategies to polycyclics based on olefin metathesis, Diels–Alder reaction, Suzuki coupling and tandem Claisen rearrangement	Aug 2006	Feb 2012
23	Ms. D. Goyal 06403319/UGC	Design of new synthetic strategies to modified amino acids and peptides	Jan 2007	March 2012
24	Mr. M. P. Meshram 07403007/CSIR	Design and synthesis of conformationally constrained α -amino acid derivatives and polycyclics aromatics <i>via</i> the Diels–Alder reaction as a key step	Aug 2007	Nov 2013
25	Mr. G. Waghule 09403319/CSIR	Diversity oriented approach to cyclophanes involving metathesis, claisen rearrangement and Diels–Alder reaction as key steps	Aug 2009	Aug 2014
26.	Mr. M. Shirbhate 09403009/TA-IITB	Design and synthesis of cyclophanes under green conditions involving ring-closing metathesis and claisen rearrangement as key steps	Aug 2009	Oct 2014
27	Mr. Rashid Ali 10403313/UGC	Diversity oriented approach to spirocycles and heterocycles <i>via</i> olefin metathesis, cycloaddition reactions, Fischer indolization and Suzuki–Miyaura cross-coupling reaction as key steps	Jun 2010	May 2015
28	Mr. A. K. Chinnam 10403324/UGC	New synthetic approaches to polycyclic indoles and cyclophanes <i>via</i> Fischer indolization under green conditions	Dec 2010	March 2016
29	Mr. O. Ravikumar 114033029/UGC	Application of ring-rearrangement metathesis in organic synthesis	Dec 2011	Feb 2017
30	Ms. Rama Gunta 124036001/UGC	Design and Synthesis of Hetero- and Carbocycles <i>via</i> Ring-Rearrangement and Ring-Closing Metathesis as Key Steps	Jul-2012	Jan 2018
31	Ms. Sreevani. G 124033017/CSIR	[2+2+2] Cyclotrimerization with Propargyl Halides: New Strategies and Tactics to Carbo- and Heterocycles Involving Green Synthetic Routes	July 2012	Jan 2018
32	Mr. Aswar Vikas.R 124033031/CSIR	Applications of Carbene complexes in Organic Synthesis	Jan 2013	Feb 2018
33	Mr. Saidulu Todeti 12I030002/TA	Design and Synthesis of C_3 -Symmetric Star-Shaped Molecules	Jul 2013	Oct 2018
34	Mr. Subba Rao 144033016/UGC	Design and synthesis of novel polycyclic cage compounds <i>via</i> olefin metathesis	Jan 2015	Oct 2019
35	Mr. Sunil Pulletikurti, 134033022/UGC	A metathetic approach towards the synthesis of polycycles and heterocycles	Jan 2014	Feb 2020
36	Ms. Ambareen Fatma 164033026/ UGC	Design and synthesis of carbocycles and heterocycles <i>via</i> olefin metathesis	Jul 2016	Nov 2021
37	Ms. Saima Ansari 164033019/UGC	Design and synthesis of propellanes and polyquinanes <i>via</i> metathesis	Jul 2016	Nov 2021
38	Mr. Naveen Kumar Gupta 164033027/CSIR	Development of new synthetic methods to hydantoins, dipeptides and thiacyclophanes	Jul 2016	Nov 2021

Details of current Ph. D. students

	Name/Roll No/ support	Thesis topic	Joined
1	Mr. Vidyasagar Gaikwad 174030009/ TA	Design of heterocycles and unusual amino acids	Jan 2017
2	Mr. Ramakrishna Reddy 174036002/TAP	Design and Synthesis of Polycyclics via metathesis	Jan 2017
3	Ms. Punam Meher 184030012/ TA	Design of drug like molecules via Fischer indolisation and pyridine	Jul 2018
4	Mr. Mohammad Salman 184033007/ UGC	Design of new caged molecules	Jul 2018
5	Mr. Gulazarahind Mehta 184033023/ UGC	Application of metathesis in cage molecules	Jul 2018
6	Ms. Balaji Solanke 184036002/ UGC	Design of new heterocycles via metathesis	Jul 2018
7	Ms. Usha Kumari/184033051/UGC	Chemistry of Cage Compound	Jan 2019
8	Ms. Kunkumita Jena 194033021/RA-Inspire	Application of RRM in organic synthesis	Jul 2019
9	Ms. Deepshikha Singh 194030008/TA	Heterocycles synthesis via metathesis	Jul 2019
10	Mr. Arpit Agarwal 194033015/PMRF	Design of Polycyclic via metathesis	Jul 2019

(a) Details of M. Sc. Students

	Name/Roll No.	Year	Title of the project
1	Mr. S. A. Jothi (94503012)	1995-96	Design of new polycyclics
2	Mr. G. Giridharan (95503002)	1996-97	Synthesis of unnatural α -amino acids
3	Ms. R. Deshpande (95503019)	1996-97	Synthesis of polyquinanes
4	Ms. M. S. Subhashi (96503004)	1997-98	Synthesis of polycyclics
5	Mr. S. R. Subbaiah (96503010)	1997-98	Synthesis of non-coded α -amino acids
6	Mr. A. Mehta (Vikram Uni.)	1997-98	Synthesis of unusual α -amino acids
7	Mr. C. Chatterjee (97503003)	1998-99	Synthesis of thiophene based α -amino acids
8	Mr. AP. S. Babu (98503008)	1999-2K	Synthesis and electrochemistry of star shaped thiophanes
9	Ms. S. Bhattacharje (98503001)	1999-2K	Studies on thiophene chemistry
10	Mr. P. Charkrabarty (99503004)	2000-01	Development of new synthetic methods
11	Mr. T. Kesharwani (97103007)	2001-02	Development of new synthetic methods
12	Mr. A. Singh (02503001)	2003-04	Synthesis of polycyclic compounds
13	Mr. V. Rane (03503022)	2004-05	Development of new synthetic methods
14	Mr. A. Pal (04503014)	2005-06	Chemistry of caged polycyclic compounds
15	Mr. T. T. Rao (01103005)	2006-07	Development of new synthetic methods
16	Mr. M. Banik (05503013)	2006-07	Development of new synthetic strategies
17	Mr. R. K. Das (06503011)	2007-08	Development of new methodology in organic synthesis
18	Mr. V. Shukla (03103004)	2007-08	New synthetic methodologies for synthesis of spirocycles
19	Mr. U. Basu (07503001)	2008-09	Diels–Alder reactions of anthracene derivatives
20	Mr. Raju Kolupula (9503019)	2010-11	Synthesis of polycyclic caged compounds
21	Ms. R. Gunta (09503021)	2010-11	Synthesis of polycyclic compounds
22	Ms. Binita Mandal (10503030)	2011-12	New methods for the synthesis of caged molecules
23	Mr. Prakash K Shee (10503029)	2011-12	Synthesis of C ₃ symmetrical polycyclic amino acids

24	Mr. Rohit Lakhan (115030001)	2012-13	Synthesis of polycyclic cage compounds
25	Mr. A. Biswas (115030016)	2012-13	Rongalite mediated synthesis of crownphanes
26	Mr. H. Bharadwaj (115030002)	2012-13	Synthesis of benzo-crown ether derivatives
27	Mr. J. Rana (125030030)	2013-14	Application of Fischer–indole cyclization in Org. Synth
28	Mr. C. Sarkar (125030013)	2013-14	Application of rongalite in organic synthesis
29	Mr. Jadab Majhi (135030014)	2014-15	Studies on Beckmann rearrangement
30	Mr. A. Biswas (135030032)	2014-15	Studies on annulations reactions
31	Ms. A. Dungdung (111030019)	2015-16	Synthesis towards polycyclic caged molecules
32	Mr. Suman Das (145030021)	2015-16	Synthesis of aza polyquione
33	Ms. Tanu Jain (P16010)	2015-16	Design and synthesis of aza-polycycles under green conditions via Fischer indolization
34	Mr. T. Agarwal (155030013)	2016-17	RRM approach to synthesize aza-polycyclic compounds
35	Mr. Gaurav Singhal (121030020)	2016-17	Design and synthesis of pyridocarbazole by Fischer indolization
36	Mr. Tarun Sudan (165030045)	2017-18	Synthesis of cyclophanes using Ring-Closing Metathesis
37	Mr. H Kumar Setti (131030024)	2017-18	Application of Enyne metathesis in Organic synthesis
38	Ms. Pooja Nain (175030011)	2018-19	Synthesis of fused azacyclic compounds via RRM
39	Mr. Naman Bajpai (175030017)	2018-19	Design and synthesis of unsymmetrical
40	Mr. Sandeep Pal (185030007)	2019-20	Design and synthesis of unsymmetrical sulfones having olefinic, Aryl and Alkynic moiety
41	Mr. Satyam Soni (185030041)	2019-20	Synthesis of Rhodanine containing spiro-annulated amino acids
42	Mr. Suraj Shukla (195030017)	2020-21	Suzuku Miyaura cross coupling reaction
43	Mr. Vicky Sharma (195030003)	2020-21	Synthesis strategies to carbocycles via Diels-Alder reaction and olefin metathesis as key steps
44	Mr. Samikshan Jana 205030004	2021-22	Application of Photo-thermal metathesis and Sakurai reaction in Polycyclic Frames

Details of Post-doctoral students

No	Name	ID	Period
1	Dr. T. Ganesh	P98159	Jul 1998-Jan 2000.
2	Dr. R. Vinod Kumar	P00003	Jan 2000 – Apr 2002.
3.	Dr. S. Kumar	P01045	Feb 2001- Nov 2001
4.	Dr. (Ms). K. Lahiri	P02103	Apr 2002-Apr 2009
5	Dr. D. Nagaraju	P07090	Mar 2007-Mar 2009
6	Dr. (Ms). P. Khedkar	P09028	Nov 2008- Jul 2010
7	Dr. N. Thota	P10058	Aug 2010-Mar 2011
8	Dr. V. Sreenivas	P11226	June 2011- Aug-2012
9	Dr. B. Venkata Babu	P13083	Feb 2013-Oct 2013
10	Dr. A Chavan	P12215	April 2014-Jun 2014
11	Dr. D Deodhar	P13335	Aug 2013-Mar 2015
12	Dr. M. Shirbhate	P15170	Mar 2015-Dec 2015
13	Dr. Mohd Saifuddin	I14114	June 2014-July 2016
14	Dr. Nageswara Rao N	I15227	July 2015- July 2016
15	Dr. Nageswara Rao P	I16314	Nov 2016- Nov 2018
16	Dr. M Meshram	P13549	Mar 2015-Jul 2019
17	Dr. Yuvaraj D	I17042	Jan 2017-Jan 2019
18	Dr. Sommu G Naidu	20001394	Jan 2018- May 2019
19	Dr. V. Aswar	30003149	Jan 2019-Mar 2019
20	Dr. G. Dhangar	20001344	Mar 2019-June 21
21	Dr. Bharathiraja G.	30003567	Sept 2019-Nov. 2019
22	Dr. Yellaiah T.	20001788	Oct 2019-Till Date
23	Dr. Vijaya Lakshmi	20002068	Sept 2020- Till Date
24	Dr. Naveen K Gupta	20002669	Dec 2021-Till Date

25	Dr. Saima Ansari	20002670	2021-Till Date
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Details of project/Summer students/other Category

Sr No.	Name	Project/Summer
1	Mr. A. Mehta	Project
2	Mr. S. M. Husian	project
3	Mr. M. J. Rihan	project
4	Ms. M. Sridevi	summer
5	Mr. A. Pradeesh	summer
6	Mr. M. Amarender	project
7	Ms. B. V. Lakshmi	project
8	Mr. Mayuresh Raut	Summer
9	Ms. Rama Gunta	Project
10	Mr. K Raju	Project
11	Mr. M. Gopinathan	project
12	Mr. Mahesh Madasu	Project
13	Mr. Mohitosh Bhadra	Project
14	Mr. C Ramakrishnan	summer
15	Mr. Satymoorthy Murugasan	Project
16	Mr. Amardeep Aswathi	Summer
17	Mr. Rajdip Chowdhury	Project
18	Mr. Umesh Nair	Project
19	Ms. Barnita Makhhal	M.Phil
20	Mr. Karan Selarka	Summer
21	Mr. Dharmendra Sharma	Summer
22	Ms. Asha Ghule	Project
23	Mr. Sai Balaram	Summer
24	Ms. Sonya Bharatkar	Summer
25	Dr. Chandravathi Chakkapaali	Project
26	Mr. Rakesh Siyaz	Project
27	Mr. Sudhakar Nalpe	Project
28	Dr. K. Jajula	Project
29	Ms. A Kaur	Project

Details of the teaching assignment

S. No.	Course name/number	Level	contact hr/week	place/year
[1]	Organic Lab 1	B. S (1 st year)	3	Wisconsin-U.S/1989
[2]	Organic Lab II	B. S. (4 th year)	6	Cornell-U. S/1990
[3]	Reactive Intermediates (583)	M.Sc. (2 nd year)	3	IIT-Bombay 1994
[4]	Organic Synthesis (807)	Ph. D. (1 st year)	3	IIT-Bombay 1994
[5]	Separation Techniques (417 L)	M. Sc. (1 st year)	4	IIT-Bombay 1994
[6]	Drugs and Biomolecules (540)	M.Sc. (2 nd year)	3	IIT-Bombay 1995
[7]	Reactive Intermediates (583)	M.Sc. (2 nd year)	3	IIT-Bombay 1995
[8]	Organic Synthesis (807)	Ph. D. (1 st year)	3	IIT-Bombay 1995
[9]	Separation Techniques (417 L)*	M. Sc. (1 st year)	4	IIT-Bombay 1995
[10]	Chemistry Lab 115 (L)	B. Tech. (1 st year)	3	IIT-Bombay 1995
[11]	Reactive Intermediates (583)	M.Sc. (2 nd year)	3	IIT-Bombay 1996
[12]	Chemistry Lab 022 (L)	B. Tech. (1 st year)	3	IIT-Bombay 1996
[13]	Organic Chemistry 102 (T)	B. Tech.)1 st year)	3	IIT-Bombay 1996
[14]	Organic Synthesis (807)	Ph. D. (1 st year)	3	IIT-Bombay 1996
[15]	Advanced Lab Technique (831 L)	Ph. D. (1 st year)	4	IIT-Bombay-1996
[16]	Reactive Intermediates (583)	M.Sc. (2 nd year)	3	IIT-Bombay 1997
[17]	Organic Chemistry 102	B. Tech. (1 st year)	1	IIT-Bombay 1997
[18]	Organic Chemistry 102 (T)	B. Tech. (1 st year)	3	IIT-Bombay 1997
[19]	Organic Synthesis (807)	Ph. D. (1 st year)	3	IIT-Bombay 1997
[20]	Advanced Lab Techniques (831 L)*	Ph. D. (1 st year)	4	IIT-Bombay-1997
[21]	Drugs and Biomolecules (540)	M.Sc. (2 nd year)	3	IIT-Bombay 1998
[22]	Organic Chemistry 102	B. Tech. (1 st year)	1	IIT-Bombay 1998
[23]	Organic Chemistry 102 (T)	B. Tech. (1 st year)	1	IIT-Bombay 1998
[24]	Organic Synthesis (807)	Ph. D. (1 st year)	3	IIT-Bombay 1998
[25]	Chemistry Lab 022 (L)	B. Tech. (1 st year)	3	IIT-Bombay 1998
[26]	Drugs and Biomolecules (540)	M.Sc. (2 nd year)	3	IIT-Bombay 1999
[27]	Organic Chemistry 102*	B. Tech. (1 st year)	1	IIT-Bombay 1999
[28]	Organic Chemistry 102 (T)	B. Tech. (1 st year)	1	IIT-Bombay 1999
[29]	Organic Synthesis (807)	Ph. D. (1 st year)	3	IIT-Bombay 1999
[30]	Chemistry Lab 022 (L)	B. Tech. (1 st year)	3	IIT-Bombay 1999
[31]	Drugs and Biomolecules (540)	M.Sc. (2 nd year)	3	IIT-Bombay 2000
[32]	Topics in Chemistry I (821)	Ph. D. (1 st year)	2	IIT-Bombay 2000

[33]	Stereochemistry (805)	Ph. D. (1 st year)	3	IIT-Bombay 2000
[34]	Chemistry Lab 115 (L)	B. Tech. (1 st year)	3	IIT-Bombay 2000
[35]	Drugs and Biomolecules (540)	M.Sc. (2 nd year)	3	IIT-Bombay 2001
[36]	Reagents and Reactions (544)	M.Sc. (2 nd year)	1.5	IIT-Bombay 2001
[37]	Course Seminar CH 801 S	Ph.D. (1 st year) -		IIT-Bombay 2001
[38]	Drugs and Biomolecules (540)	M.Sc. (2 nd year)	3	IIT-Bombay 2002
[39]	Course Seminar CH 802 S	Ph.D. (1 st year) -		IIT-Bombay 2002
[40]	Stereochemistry (805)	Ph. D. (1 st year)	3	IIT-Bombay 2002
[41]	Topics in Chemistry CH 821	Ph. D (1 st year)	1	IIT-Bombay 2002
[42]	Chemistry Lab 115 (L)	B. Tech. (1 st year)	3	IIT-Bombay 2002
[43]	Topics in Chemistry CH 826	Ph. D (1 st year)	1	IIT-Bombay 2003
[44]	Drugs and Biomolecules (CH 540)	M.Sc. (2 nd year)	3	IIT-Bombay 2003
[45]	Organic Chemistry 102 (T)	B. Tech. (1 st year)	1	IIT-Bombay 2003
[46]	Interpretative spectroscopy CH 521	M.Sc (2 nd year)	2	IIT-Bombay 2003
[47]	Chemistry Lab 115 (L)	B. Tech. (1 st year)	3	IIT-Bombay 2003
[48]	Topics in Chemistry	Ph. D. (1 st year)	1	IIT-Bombay 2003
[49]	Organic Synthesis CH 588	M.Sc (2 nd year)	3	IIT-Bombay 2004
[50]	Topics in Chemistry CH 826	Ph. D. (1 st year)	1	IIT-Bombay 2004
[51]	Organic Chemistry 102 (T)	B. Tech. (1 st year)	1	IIT-Bombay 2004
[52]	Chemistry Lab 115 (L)	B. Tech. (1 st year)	3	IIT-Bombay 2004
[53]	Interpretative spectroscopy CH 521	M.Sc (2 nd year)	2	IIT-Bombay 2004
[54]	Topics in Chemistry CH 821	Ph. D. (1 st year)	1	IIT-Bombay 2004
[55]	Organic Synthesis CH 588	M.Sc (2 nd year)	3	IIT-Bombay 2005
[57]	Spectra of Organic Compounds	Ph. D. (1 st year)	3	IIT-Bombay 2005
[58]	Chemistry Lab 115 (L)	B. Tech. (1 st year)	3	IIT-Bombay 2005
[59]	Topics in Chemistry CH 821	Ph. D. (1 st year)	1	IIT-Bombay 2005
[60]	Organic Synthesis CH 588	M.Sc (2 nd year)	3	IIT-Bombay 2006
[61]	Spectra of Organic Compounds	Ph. D. (1 st year)	3	IIT-Bombay 2006
[62]	Chemistry Lab 115 (L)	B. Tech. (1 st year)	3	IIT-Bombay 2006
[63]	Course Seminar CH 801 S	Ph.D. (1 st year) -	-	IIT-Bombay 2006
[64]	Course Seminar CH 443 S	M.Sc 1 st year -	-	IIT-Bombay 2006
[65]	Spectra of Organic Compounds	Ph. D. (1 st year)	3	IIT-Bombay 2007
[66]	Organic Chem. Laboratory 418 L	M.Sc (1 st year)	4	IIT-Bombay 2007
[67]	Integrated Lab CH 511 L	M.Sc. (2 nd year)	4	IIT-Bombay 2007
[68]	Interpretative spectroscopy CH 521	M.Sc (2 nd year)	2	IIT-Bombay 2007

[69]	Organic Chem. Laboratory 418 L	M.Sc (1 st year)	4	IIT-Bombay 2008
[70]	Organic Chemistry CH104	M.Sc. (2 nd year)	1	IIT-Bombay 2008
[71]	Organic Chemistry 103	B. Tech. (1 st year)	-	IIT-Gandhinagar 2008
[72]	Organic Chemistry laboratory CM1121	B.S (1 st year)	6	NUS-Singapore 2009
[73]	Graduate Seminar	Ph.D	-	NUS-Singapore 2009
[74]	Chemistry Lab 117 (L)*	B. Tech. (1 st year)	3	IIT-Bombay 2009
[75]	Organic Chemistry 103 (T)	B. Tech. (1 st year)	1	IIT-Bombay 2009
[76]	Organic Chemistry CH104	M.Sc. (2 nd year)	1	IIT-Bombay 2010
[77]	Chemistry Lab 117 (L)*	B. Tech. (1 st year)	3	IIT-Bombay 2010
[78]	Methods in Org. Syn. CH507	M.Sc (2 nd year)	3	IIT-Bombay 2010
[79]	Organic Chemistry CH104	M.Sc. (2 nd year)	1	IIT-Bombay 2011
[80]	Chemistry Lab 117 (L)*	B. Tech. (1 st year)	3	IIT-Bombay 2011
[81]	Technical writing (Abstract)	Ph. D	1	IIT-Bombay 2012
[82]	Technical writing (Report)	Ph. D	1	IIT-Bombay 2012
[83]	Methods in Org. Syn. CH507	M.Sc. (2 nd year)	3	IIT-Bombay 2012
[84]	Methods in Org. Syn. 117 (L)*	M.Sc. (2 nd year)	3	IIT-Bombay 2013
[85]	Methods in Org. Syn. CH507	M.Sc. (2 nd year)	3	IIT-Bombay 2013
[86]	Organic Synthesis CH588	M.Sc. (2 nd year)	3	IIT-Bombay 2013
[87]	Methods in Org. Syn. CH507	M.Sc. (2 nd year)	3	IIT-Bombay 2013
[88]	Methods in Org. Syn. CH507	M.Sc. (2 nd year)	3	IIT-Bombay 2014
[89]	Advanced Lab Technique (831 L)	Ph. D. (1 st year)	1	IIT-Bombay-2014
[90]	Organic Chemistry CH105 (T)	M.Sc. (2 nd year)	1	IIT-Bombay-2014
[91]	Organic Synthesis CH588	M.Sc. (2 nd year)	3	IIT-Bombay 2015
[92]	Methods in Org. Syn. CH507	M.Sc. (2 nd year)	3	IIT-Bombay 2015
[93]	Organic Synthesis CH588	M.Sc. (2 nd year)	3	IIT-Bombay 2016
[94]	Methods in Org. Syn. CH507	M.Sc. (2 nd year)	3	IIT-Bombay 2016
[95]	Organic Chemistry CH105 (T)	M.Sc. (2 nd year)	1	IIT-Bombay-2016
[96]	Physical Organic chemistry (CH404)	M.Sc. (2 nd year)	3	IIT-Bombay-2017
[97]	Methods in Org. Syn. CH507	M.Sc. (2 nd year)	3	IIT-Bombay 2017
[98]	Physical Organic chemistry (CH404)	M.Sc. (2 nd year)	3	IIT-Bombay-2018
[99]	Methods in Org. Syn. CH507	M.Sc. (2 nd year)	3	IIT-Bombay 2018
[100]	Physical Organic chemistry (CH404)	M.Sc. (2 nd year)	3	IIT-Bombay-2019
[101]	Methods in Org. Syn. CH507	M.Sc. (2 nd year)	3	IIT-Bombay 2019
[102]	Physical Organic chemistry (CH404)	M.Sc. (2 nd year)	3	IIT-Bombay-2020
[103]	Methods in Org. Syn. CH507(VC)	M.Sc. (2 nd year)	3	IIT-Bombay 2020

[104]	Organic Synthesis (807)	Ph. D. (1 st year)	2	IIT-Bombay 2021
[105]	Organic Synthesis CH588	M.Sc. (2 nd year)	3	IIT-Bombay 2022

T = tutorial, L = Lab course, * Indicates in-charge of the course

Statistical Analysis

1.	Total No. of Publications	320
2.	Publications (from IITB) (1997-present)	299
3.	Citations of Publications (Web of Science /H index	9017/52H
4.	Number of Sponsored Projects Granted	24
5.	Number of students. Trained (Ph.D)	38
6.	Present Ph. D. Students	10
7.	Number of M. Sc. Students Trained	44
8.	Number of Post-Doctoral Students /project students	53
9.	Number of Courses Taught	105
10.	Number of CEP's Conducted	02
11.	Number of Seminars Delivered	296
12.	Yearly Average Publications (1997-2021)	10.5
13.	National Average in Top 10 Institutions	3 to 4

SRK - 320 Publications

