

Curriculum Vitae
RAVINDER KUMAR KOHLI Ph.D.
 FNA, FASc., FNASc., FNAAS, FNESA, FBS
Certified Senior Ecologist of ESA, USA (highest level International Accreditation)
Vice-chancellor, Central University of Punjab, Bhatinda, India
JC Bose National Fellow of Gol

- Vice-Chancellor, Central University of Punjab, Bhatinda, India since 5-Sept., 2014 (Govt. of India)
- Vice-chancellor, DAV University, Jalandhar from 13 April 2013 till 4 Sept, 2014
- J C Bose National Fellow of Govt. of India since 2012. (The most prestigious award of the Govt. of India)
- Fellow of all the 4 National Science Academies (FNA, FASc, FNASc, FNAAS) and recipient of UGC honorarium
- Academic Qualifications: (First class career throughout): M.Sc., Ph.D. UNESCO-WHO PG Course in Biology (Praha)

Position held / Administrative Experience before leaving Panjab University (15 years)

- **Dean University Instruction** (equivalent to Pro-vice-chancellor / head of the campus), Panjab University from 1-9-2012 to 12-4-2013 (*left for taking over as founder VC of DAV University*)
- **Dean Research**, Panjab university 2-1-2012 to 31-8-2012 (*to join as DUI Panjab University*)
- **Chairperson**, Department of Botany, Panjab University, Chandigarh, from Nov 1 2008 till Oct. 31 2011 (*full term of 3 years*)
- **Chair/ Coordinator**, Centre for Environment and Vocational Studies, Panjab University, Chandigarh, about 8 years
- **Coordinated as Head UGC's Innovative Programme on Solid Waste Management**, Pb. Univ, Chandigarh, 3 years
- **Chair/Coordinator-In-charge**, Environment Education, Panjab University (*from 1999 till Feb 2009*)
- **Chairman and/or Convener** of Committees on Environment / Energy Audit and many other committees (*since 2001*)
- **Chairman**, S-EAC Min. of Env. & Forests for Environmental Clearance for developmental projects in Chandigarh (2009-12)
- **Nodal officer**, Ministry of Environment & Forests for the region for guiding formulation of Projects
- **Member, Senate** (*Highest decision making body*) of Panjab University from 2004 till 2008
- **Member, Syndicate** (*Executive / Decision making body*) of Panjab University for 2004-2005
- **Member**, Selection & Inspection Committees for various senior positions in Education in India
- **Chairman /Member**, several Enquiry Committees
- **Chair/Coordinator**, IUFRO (*International Union of Forestry Research Organizations, Austria*) International Working Party 8.02.04) on Ecology of Alien Invasive Species (2 Terms: 2006-2010-2015)
- **Chair/Coordinator**, IUFRO International WP 4.02.02 on Multipurpose Inventories (2 Terms :2000-10)

Honours and Awards

- 1 The most prestigious **JC Bose National Fellowship** of the Government of India, 2012
- 2 Best Scientist Award of Haryana (**Haryana Vigyan Rattan Award**) for 2008-09, carrying cash award of Rs 1 lac, a citation and trophy from the **Government of Haryana**. (D.O. No PS/1897 dated 03-12-09)
- 3 Nominated by Ministry of Environment Gol as **Chairman of the State Expert Appraisal Committee** for Environmental clearances for any developmental activities for UT Chandigarh under EIA (Vide Gazette Notification of Aug 21, 2009,)
- 4 **Awardee of UGC special honorarium of Rs 15000 pm** till the age of 65 for being Fellow of 2 academies
- 5 Awarded **SAARC Chair** in Chittagong University, Bangladesh, 2007-08
- 6 **Adjunct Professor, Chinese Academy of Sciences, China** at the XTBG, for 2 years 2007-2009
- 7 **Punjab Rattan Award** for Environment Science and Education, 2007-08
- 8 **Dr K.K. Nanda Memorial Oration Lecture Award** at Dopoli Maharashtra , 2007

- 9 **Certified Senior Ecologist** (Highest global Accreditation) by **Board of Professional Certification, ESA, USA, 2005-15**
- 10 **B.P. Pal National Environment Fellow – 2001 Union Ministry of Environment & Forests** (highest award of MoEF)
- 11 **State Honour for Teaching and Research in Environment** from **UT Chandigarh Government, 1998**
- 12 **Nanda Memorial National Young Scientist Gold Medal Award for Research in Forestry, 1988**
- 13 **Vijay Shree Award, New Delhi, 2006**
- 14 **Felicitations at the International Conference on Environment and Biodiversity** at Delhi University, 2008
- 15 **National Visiting Associateship** of UGC, India
- 16 **Gregor Mendel Medal awarded** in Brno, Czechoslovakia, 1979
- 17 **UNESCO-WHO Post-doctoral Fellowship** at Institute of Experimental Botany, Praha, Czechoslovakia 1978-79
- 18 **Second Best Research Paper in Hindi Award by CSIR in 1998**
- 19 **First Friday Forum Award for creativity in Environment – 10-9-2010**
- 20 **Research Fellowship and Scientist-ship (Pool Officer) by CSIR**

Fellowships and Academic Honours / Professional Leadership

- 1 **Fellow**, Indian National Science Academy New Delhi, 2012 (FNA)
- 2 **Fellow**, Indian Academy of Sciences, Bangalore, 2011 (FASc.)
- 3 **Fellow**, National Academy of Sciences, India, Allahabad, 2004 (FNASc.)
- 4 **Fellow**, National Academy Agricultural Sciences, New Delhi 2005 (FNAAS)
- 5 **Fellow**, Indian Botanical Society, Meerut/Jaipur 1992 (FBS)
- 6 **Fellow**, National Environmental Science Academy, New Delhi (FNESA)
- 7 **Chair/Coordinator**, IUFRO Working Party on Invasive Ecology (2006-15) and Multipurpose Inventories (2000-2010)
- 8 **Secretary** (1991-97) and **Vice-President** (since 1997) Society of Environmental Scientists, New Delhi
- 9 **Gen. Secretary**, Dayanand National Academy of Environmental Sciences (since 1994)
- 10 **Former Member**, Executive Committee of the Punjab Academy of Sciences
- 11 **Former Member**, Governing body of Indian Society of Tree Scientists

Research Supervision as Guide: (68) 39 Ph. D. + 29 M. Phil theses in Ecology, Environment & Forestry - Awarded

Research Contributions:

Patents: 3 (awarded 2, in progress 1)

- (a) Biotechnological degradation of hair and feathers (896/DEL/04 dated 18-5-2004)- Granted on 8-4-2008
- (b) Preparation of organic fertilizer from *Parthenium hysterophorus* (897/DEL/04, dt 18-5-2004)- Granted 8-4-08
- (c) Isolation of Parthenin from *Parthenium hysterophorus* as potential herbicide (1201/DEL/04 dt 11-5-2005)

Quality Publications Research papers: Over 261 + about 200 abstracts

- As per SCOPUS: Papers listed in Impact Journals : 128; Citations : 2398; h-Index: 30
- As per Google scholar i10 : 101; Citations : 4461; h-index: 37

157 full original research papers in SCI journals (over 75% from abroad) with profuse citations

7 Scientific Invited Reviews (6 from USA, UK, Japan and 1 from India)

78 Book Chapters & Research Articles (majority published abroad),

17 project reports,

19 Scientific Articles

Books Published: 15

Authored: 3; (including **1 text book prescribed** and translated into Hindi and Punjabi by Panjab University)

Edited: 12 (**5 Published in USA top rank publishers; 1 in UK (CABI) and 6 Published in India**)

Research Leadership at International Level:

1. **Chair/Coordinator**, IUFRO Working Party on Invasive Ecology (2006-15) and Multipurpose Inventories (2000-2010)
2. **Held SAARC Chair in Bangladesh** for guiding research and training in Ecology (2007-08)
3. **Adjunct Professor of Chinese Academy of Sciences** for 2 years (2006 -2008) for research guidance
4. **Chaired technical session meetings** abroad & delivered invited/keynote lectures several times
5. **Member, International Jury for Albert Einstein Award** for World Cultural Council Mexico (since 1999).
6. **Member, Editorial Boards** from time to time of following International Scientific Journals:
 - a. Journal of Crop Improvement, Taylor & Francis, NY, USA
 - b. World Journal of Agricultural & Environmental Sciences, USA
 - c. Asian Ecology Section of the journal of ESA committee, USA
 - d. Journal of Plant Archives, India
 - e. Indian Journal of Tree Sciences
7. **Peer-reviewer** of a number of international journals including :
 - a. *Weed Technology* (USA),
 - b. *Weed Science* (USA)
 - c. *Weed Research* (UK),
 - d. *Annals of Applied Biology* (UK),
 - e. *Journal of Applied Sciences* (USA)
 - f. *Journal of Environmental Biology* (SCI India),
 - g. *Journal of Biological Sciences* (USA), ,
 - h. *African Journal of Agricultural Research* (Africa)
 - i. *Canadian Journal of Plant Sciences*
 - j. *Biological Invasion* (USA)
 - k. *Journal of Chemical Ecology*, (USA)
 - l. *Journal of Medicinal Plant Research*
8. Organized international meets/symposia in India, Kyoto, Japan and Brisbane, Australia, apart from several national meets

Memberships of the Professional Bodies

International;

1. **Member, IUFRO** (International Union of Forestry Research Organizations, Austria)- 15000 members from 110 countries
 - a. **Chair/Coordinator**, IUFRO Working Party 8.02.04) on Ecology of Alien Invasive Species (2005-2010-2015)
 - b. **Chair/Coordinator**, IUFRO Working Party 4.02.02 on Multipurpose Inventories (Term:2000-2005-2010-2015)
2. **Member, Ecological Society of America**
Accredited as *Certified Sr. Ecologist* (highest global accreditation) for 2005-2010 and 2010-2015

National:

1. **Fellow & Life & Gen Secretary** (since 1994) Dayanand National Academy of Environmental Sciences, Chandigarh
2. **Vice-President** (since 1997), **Former Sec.** (1991-2007) & **Life member**, Society of Environmental Scientists, New Delhi
3. **Life member and Former Member Executive Committee** of the Punjab Academy of Sciences
4. **Life, founder and Former Member of Governing body** of Indian Society of Tree Scientists
5. **Life member of** International Society of Environmental Botanists, NBRI Lucknow
6. **Life member** Society of Plant Physiology and Biochemistry, IARI, New Delhi
7. **Member of Research Board/Academic Bodies** of Kashmir University, Srinagar, KU, Kurukshetra, MDU, Rohtak, NE Hill University, Shillong, GNDU, Amritsar, Bundelkhand University, Bareilly and Soolini University, Solan HP

National and Regional Peer Recognition

1. **Member, Expert Group** Conservation and Management of Natural Resources" 2008-2011, of MoEF, New Delhi
2. **Member, Programme Advisory Committees** (PACs) in Life Sciences under SERB of DST, New Delhi
3. **Permanent Member, Technical Advisory Committee, Centre of Plant Biotechnology, Haryana**

4. **Chairman** Committee on R & D Projects of **Haryana State Council for Science and Technology**
5. Member, **Board of Directors** of NIMBUA Greenfields (Pb) Ltd for Hazardous Waste Management for Punjab & Chd.
6. Member of the Jury for scientific competitions for **Haryana, Punjab and UT Chandigarh**
7. Served as Consultant for **Himachal Pradesh High Court, Shimla** for Environmental Problems due to stone Crushers
8. For several years had been the **Science Quiz master & Organizer for the State of Haryana and UT Chandigarh**

Training Courses, organized for the University and College Faculty

S.N.	Faculty Development Programme	Duration	Organised by
1	Refresher Course in Environment Sciences	21 days December 08 to 28, 2000	Panjab University/ ASC
2	Refresher Course in Environment Sciences	21 days March 18 to April 7, 2004.	Panjab University/ ASC
3	Refresher Course in Environment Sciences	21 days March 23-April 12, 2005	Panjab University/ ASC
4	Refresher Course in Environment Sciences	21 days March 3 to 23, 2006	Panjab University/ ASC
5	Refresher Course in Environment Sciences	21 days March 2-22, 2007	Panjab University/ ASC
6	Refresher Course in Environmental Sciences	21 days December 03-23, 2008	Panjab University/ ASC
8	Teacher's Training Programme for Punjab School	February 17, 2007	Punjab Govt

Research Team Recognition

The **research team being lead** by Dr Kohli is credited with many awards, including the following:

1. "National Young Scientist Gold Medal Award" in Forestry, 1988
2. "Young Scientist Award", 2001 by Punjab Academy of Science (Patiala)
3. "Rajib Goyal National Young Scientist Award" of Rs 50,000/- Kurukshehra for 2002
4. Asian Pacific Weed Science Society "Young Researcher Award" USD500/= in weed science (conferred in Manila, 2003)
5. "National Young Researcher Award" 2005 of Rs 5000/= of Dalela Educational Foundation, Acad of Enviro Biology
6. "Junior Scientist Award" (2005), National Environment Science Academy, New Delhi
7. Indian Science Congress "Young Scientist Award" for Best Paper, 2004
8. Twice "Dr. K.K. Nanda Gold Medal" for Best Ph.D Thesis in Plant Sciences by Panjab University, Chd.
9. Environmentalist of the Year Award by National Environment Science Academy, New Delhi

Other Professional Experiences

1. Successfully handled **17 R & D** Projects, 16 as Principal Investigator since 1984
2. Delivered over 350 extension lectures on Environment related themes and research at various local/regional forums
3. Life Member 12 Scientific Societies & Annual Member of 2 International Scientific bodies.
4. Member of several selection committees, University inspection teams, flying squads
5. Helped UGC several times for UGC-NET paper setting and evaluation;
6. Evaluator of R & D project proposals and monitoring several times for national funding agencies several times.
7. Paper setter and evaluator for HP Public Service Commission examinations several times.
8. In collaboration with IUFRO (Austria) and national scientific organizations organized:
 - o International Symposium "Impact of Invasive plants in Forest Ecosystems" in Brisbane (Australia)
 - o International Symposium "Allelopathy in Forest Ecosystems" in Kyoto (Japan)
 - o International Symposium "Resource Inventory Techniques in Agroforestry & Environment" Chandigarh
 - o International Symposium on Man and Forests, Chandigarh
 - o National Symposium on Biodiversity In Chandigarh
 - o National Meet on Long-term Ecological Research Network-India, Chandigarh
 - o 3-Day National Seminar on Solid Waste Management, Panjab University, Chandigarh
9. Reviewed books on Environment and Forestry for the National Dailies
10. Proposed, Framed & got implemented Code of Ethics for Panjab University Faculty and DAV University Faculty

Current Research interests include

- a) Managing noxious weeds using environment-friendly techniques
- b) Impact of invasive plants on the Ecology
- c) How plants interact in environment

- d) Urban Forestry and Weed Ecology
e) How mobile phones and their towers affect ecology and environment

Countries visited:(purely for academic purposes and on invitation & expenditure of the hosts)

USA (4 times), China and Czech Republic (each 3 times), Japan and Bangladesh, S. Korea, (each 2 times), Canada, Hungary, Finland, Germany, Malaysia, Australia, Nepal, Singapore (each 1 time),

Academic Qualifications:

Examination	Year of Passing	Institution / University	Division	Position in University
High School	1969	V.K. Model Hr Sec School, Rohtak,	First	-
B.Sc.	1973	Government College, Rohtak, PU, Chandigarh	First	-
M. Sc (Botany)	1975	Meerut University, Meerut, India	First	4th
Ph.D.	1978	GND University, Amritsar, India	First in Biological Sciences	
UNESCO-WHO long term PG on Modern Problems in Biology.	1979	Institute of Experimental. Botany, Czech Acad. of Sciences, Praha, Czech Rep.	Adjudged as the Best Participant of programme	
After joining as Lecturer in Panjab University in 1980				
Certificate Course in German	1984	Panjab University, Chandigarh, India	First	3rd
Certificate Course in Evaluation, Methodology & Examination	1985	Association of Indian Universities, New Delhi,	'A' Grade	1st
Diploma Course in Evaluation, Methodology & Examination	1986	Association of Indian Universities New Delhi,	'O' Grade	1st
Advanced Diploma in Evaluation, Methodology & Examination	1987	Association of Indian Universities New Delhi,	'A' Grade	1st

Teaching & Research Experience:

From	Till	Position	Institute
24.11.97	Continuing	Professor (<i>open selection</i>)	Panjab University, Chandigarh.
1.5.89	24.11.97	Reader (<i>open selection</i>)	Panjab University, Chandigarh.
11.11.80	1.5.89	Lecturer & Sr. Gr. Lecturer (<i>open selection</i>)	Panjab University, Chandigarh
29.10.79	10.11.80	Pool Officer, CSIR (<i>open selection</i>)	NEHU, Shillong & PAU, Ludhiana
Oct. 78	Oct. 79	UNESCO-WHO Fellow Participant	Institute of Exptl Botany, Praha.
March 76	Sept. 78	Research fellow, CSIR	GNDU, Amritsar.
July 75	March 76	Research Fellow PL-480 Project	Panjab University, Chandigarh.

Administrative Experience at Panjab University:

From	Till	Formal official Position	Period
13-4-2013	continuing	Vice-Chancellor, DAV University, Jalandhar	> 8 months
1-8-2102	12-4-2013	Dean University Instruction (equivalent : Pro-vice-chancellor)Panjab University	~ 8 months
2-1-2012	31-7-2012	Dean Research, Panjab University, Chandigarh	7 months
1-11-2008	31-10-2011	Chairman, Botany Department, Panjab University,	3 years
29-6-2001	3-2-2009	Coordinator (with full D & D powers) of Centre for Vocational Studies / Environment and Vocational Studies, Panjab University, Chandigarh.	7 year & 7 months
1-6-2005	3-2-2009	Coordinator (with full D&D powers) Solid Waste Management Innovative Programme of UGC, Panjab University,	3 years & 8 months
1-10-2004	31-9-2008	Member of Senate (<i>Highest Administrative decision taking body of the University</i>)	4 years
1-1-2005	31-12-2006	Member of Syndicate (<i>Executive body</i>) Panjab University	1 year
Had been member and Chairman of either of the Academic, Administrative or Technical Committees of Botany department Served as Enquiry Officer in cases of embezzlement of funds and chaired several academic bodies/ meetings in India& abroad			

Personal: Birth: Dec. 02, 1953 (Gurgaon); Education from Rohtak, Meerut and Amritsar. Wife: Principal (retd), Govt. College, Mohali; Sons: Elder: BE & ME (Power-Electronics) from USA: younger: MD, doing Fellowship in Gastroenterology in USA, Father 89 (retired Haryana Govt. officer)

Contact: House # 1516, Sector 11-D, Chandigarh
e-mail: rkkohli45@yahoo.com (O) vc@cup.ac.in
Cell: 098722 01516

Official: Vice-chancellor, Central University of Punjab

Major Scientific Contributions

Using novel methods in field and laboratory, we have received international recognition for our researches on the ecological implications of exotic introduced trees like Eucalyptus and Poplar, and alien invasive weeds such as *Parthenium hysterophorus*, *Ageratum conyzoides* and *Lantana camara*.

Biochemical Inter-plant interaction:

Have made seminal contributions in understanding as to how the plants release chemicals into the environment which in affect other plants (*allelopathy*) under diverse habitats such as wastelands, grasslands, plantations, agricultural fields and simultaneous agroforestry systems. I have demonstrated the role of these interactions in reduction of diversity and productivity of plants. The research has provided important insights into the mechanism for successful establishment of invasive weeds, particularly *Parthenium*, *Lantana* and *Ageratum conyzoides*, in India. The pioneering work on ecology and biology of *Parthenium* has yielded useful information that has aided the Chandigarh Administration in managing the weed to a great extent. The research finds place in prestigious journals like *Annals of Applied Biology*, *Weed Technology*, *Biological Invasions*, *Agriculture*, *Ecosystems & Environment*, *Weed Biology & Management* and *J. Agronomy & Crop Science*.

Exploiting Allelopathy for sustainable Weed Management:

We have succeeded in exploiting the allelopathic property of Eucalyptus and exotic invasive weeds as (a) novel weapon against noxious weeds, and (b) as growth regulator in low dose. I pioneered the use of essential oils especially monoterpenes from Eucalyptus and other aromatic plants against weeds. Our work opened a new frontier of research for sustainable weed management using minimal amounts of eco-friendly, effective and economically better options. In collaboration with a scientist from IARI, we made structural analogues of Parthenin from *Parthenium* and succeeded in demonstrating herbicidal activity against some weeds with no effect whatsoever on the growth of wheat. Our work was published in journals like, *I.J Chem.*, *Biol. Plantarum*, *Pl. Growth Regulation*, *Current Science*, *IAS Quarterly* etc. We further successfully explored the use of allelopathic plants like *Anisomeles indica* and *Tagetes minuta* with rich natural product chemistry for managing the weeds in rice and wheat fields without affecting crop produce. This work has been published in good journal like *Annals of Applied Biology*, *Crop Protection* and *Agronomy for Sustainable Development*. *The work is of immense significance to agrochemists.*

Understanding Mode of Action of Allelochemicals:

The research team lead by me has established the physiological and biochemical mode of action of pure natural compounds of herbicidal interest like parthenin, α -pinene, BOA (2-benzoxazolinone) and L-DOPA (L-3,4-dihydroxyphenylalanine). Our findings suggest that allelochemicals act through a multitude of metabolic pathways including photosynthesis, respiration and membrane integrity. We have demonstrated that chemicals like L-DOPA, α -pinene, and BOA cause oxidative burst in the plant systems and alter the scavenging mechanism of the plant systems. The work has been published in journals like *Plant Growth Regulation*, *Annals of Applied Biology*, *Plant Physiology and Biochemistry* and *Annals of Botany*.

Plantation Forestry and Agroforestry:

We have demonstrated that indigenous tree species like *Dalbergia sissoo* are ecologically and economically better than exotic *Eucalyptus* and *Populus* when cultivated as shelterbelts. Our research has helped many farmers in designing suitable tree-crop combinations for the agroforestry systems for enhanced and sustainable crop production. These finding have appeared in journals like *Agriculture*, *Ecosystem & Environment*, *Agronomie (France)*, *Agroforestry Systems (Netherlands)*, *International Tree Crops J (England)*, *J of Tropical Forest Science (Malaysia)*. We have provided ample evidence in support of ecological suitability and economic profitability of mix-culture of native and exotic species over monoculture of fast growing native trees.

Patents on Environmental Innovations:

We have provided practical solution of converting the non-degradable mammal hair and birds feather into rich manure through vermin-technology. Likewise, added value to noxious weed Congress-grass (*Parthenium hysterophorus*) by converting it into nitrogen-rich manure and degrading Parthenin. Both these practical solutions to environmental problems have been granted patents. The procedure of extraction of Parthenin from Congress-grass that has a lot of potential in Environment is awaiting the grant of the patent

Scholarly publications in SCI journals of repute, many of which have good impact factor and these findings have been profusely cited by others. Also published reviews on the different aspects of allelopathy in international journals of repute including *Critical Reviews in Plant Sciences (USA)*. The published track record attests to very high standards of academic excellence with some of our papers rated as the top 25 hottest articles /top 20 most cited / most popular articles of Science Direct and Blackwell Synergy. One of these even got us the honour of 'Highly Cited Author' between 2007-2010.

Current Interest: Group is currently engaged in understanding the following themes of direct social relevance

- (a) Ecological Implications of Cell-phone Technology and
- (b) Development of eco-friendly novel herbicides from plant essential oils.
- (c) Urban Forestry: Problems and solutions

BOOKS AUTHORED/CO-AUTHORED / EDITED/CO-EDITED

A. BOOKS AUTHORED/CO-AUTHORED (3)

1. **Tree Directory of Chandigarh** by **R.K. Kohli**, K.S. Arya, H.P. Singh and H. Singh. Dayanand National Academy of Environmental Sciences, Chandigarh. Pp. 230, 1994. Price Rs 600/=.
2. Official Text Book on Environment Education – a Compulsory Course at 1st degree level for Panjab University students of the campus as well the affiliated colleges. Published in following 3 languages
 - 2(a) **“An Elementary Book on Environmental Education –”** by J.S. Yadav, R.C. Sobti and **R.K. Kohli**, Publication Bureau, Panjab University, Chandigarh. 156 pp., 1999, Price Rs 50/=
 - 2(b) **“Vatavarnak Sikhya – Muldi Jankari”** by J.S. Yadav, R.C. Sobti and **R.K. Kohli**, Publication Bureau, Panjab University, Chandigarh. 172 pp. (Translated *in Punjabi* by M.S.Bajwa), 1999, Price Rs 50/=
 - 2I **“Paryavaran Sikhsha –Ek Prarambhik Paryas”** by J.S. Yadav, R.C. Sobti & **R.K. Kohli**, Publication Bureau, Panjab University, Chandigarh.162pp.(Translated *in Hindi* by H. Ranavat)1999(Price Rs 50/=)
3. Contributing Author in **“IUFRO guidelines for Designing Multipurpose Resource Inventories”**: A project of IUFRO Research group 4.02.02, H. Gyde Lund (ed.) Vienna : IUFRO, (IUFRO World Series, Vol. 8). Published by IUFRO Secretariat Seckendorff – Gundent – Weg 8, A-1131, Vienna, Austria. Pp.216,1998. (Price: Euro 50/=)

B. BOOKS EDITED/CO-EDITED (8)

Published from abroad (6)

4. **Invasive Plant Ecology**: (Eds. S. Jose, H.P.Singh, D.R.Batish and R.K.Kohli) CRC Press, Taylor and Francis Pub. USA Catalog no. 4398; 282 pp., ISBN: 978-1-4398-8126-2 (hardback) **2013**.
5. **Invasive Alien Plants: An Ecological Appraisal for Indian sub-continent** (Eds. Bhatt, J.R., Singh, J.S., Tripathi, R.S., Singh, S.P. and Kohli, R.K). CABI, UK. ; **2012**; ISBN-13: 978 7 84593 907 6 (Price £ 80)
6. **Invasive plants and Forest Ecosystems** (Eds. Ravinder Kumar Kohli, Shibu Jose, Harminder Pal Singh, Daizy Rani Batish) CRC Press, Taylor and Francis Pub. USA Catalog no. 43374, 456 pp., ISBN: 978-1-4200-4337-2, ISBN 10: 1420043374; **2009** (Price US \$129.95).
7. **Ecological Basis of Agroforestry** (Eds Daizy Rani Batish, **Ravinder Kumar Kohli**, Shibu Jose, Harminder Pal Singh) CRC Press, Taylor and Francis Pub. USA Catalog no. 43277, c. 400 pp., ISBN: 978-1-4200-4327-**2008** (Price US \$119.95 / £68.99).
8. **Handbook of Sustainable Weed Management** (Eds. H.P.Singh, D. R. Batish and **R. K. Kohli**). Haworth Press, Inc. New York, USA, Pp. 892 + xxiii (ISBN 13:978-1-56022-956-8 (HC alk. Paper) (ISBN 10:1-56022-956-X (HC alk. Paper) (ISBN 13:978-1-56022-957-5 (pbk alk. Paper) (ISBN 10:1-56022-957-8 (pbk alk. Paper) March, **2006** (Price US \$ 139/=)
9. **Allelopathy in Agroecosystems** (Eds. **R.K. Kohli**, H.P.Singh and D.R.Batish Haworth Press, Inc. New York, USA p.447, 2001 (ISBN 1-56022-090-2 (alk. Paper) and (ISBN 1-56022-091-0 (pbk. Alk. Paper) It has been co-published simultaneously as Journal of Crop Production, volume 4, No 2(#8) **2001** (Price US \$ 79/=)

Published in India (6)

10. **Man and Forests** (Eds. **R.K.Kohli**, H.P.Singh, S.P.Vij, K.K.Dhir, D.R. Batish and D.K.Khurana) DNAES, IUFRO, ISTS, Botany and CVS Panjab University Publication. Pp. 551, 2000. (Price Rs 1000/=)
11. **Ecofriendly Trees for Urban Beautification** (Eds. P.K. Khosla, D.K. Uppal, R.K. Sharma, **R.K. Kohli** and Y.C. Jain).ISTS and National Horticulture Board Publications. Pp.329 plus 69. 1996 (Price Rs 500/=)
12. **Resource Inventory Techniques to Support Agroforestry and Environment**. (Eds. **R.K. Kohli**, K.S. Arya and Atul Proc I I) UFRO-DNAES International Meet. HKT Publ. Pp. 387, 1996 (Price Rs 1200/=)
13. **Forestry Improvement** (Eds. R. Bawa, P.K. Khosla and **RK Kohli**). Bishan Singh Mahendra Pal Singh, Pp 307, 1995 (Price Rs. 500)
14. **Some Facets of Biodiversity** – Proceedings of the National Symposium on Biodiversity. (Eds. **R.K. Kohli**, N. Jerath and D. Batish). SES-PSCST Publications, Pp. 286, 1995, (Price Rs 1200/=)
15. **Social Forestry for Rural Development** (Eds. P.K. Khosla and **R. K. Kohli**). ISTS Publications, Pp. 282, 1987 (Price Rs. 500/=)

**List of some of the Original Research Papers Published by the team lead by R. K. Kohli in
A: Peer-reviewed SCI Referred Journals with Impact Factors only**

- **As per SCOPUS:** Papers listed in Impact Factor Journals 128; Citations : 2398; h-Index: 30
- **As per Google Scholar:** i10 : 101; Citations : 4461; h-index: 37

S#	Authors	Year	Title of the Research Paper	Ref SCI Journal (Impact Factor)	Volume / Page	Published by From & Citations
1.	H. Gupta, R.K.Kohli AS Ahluwalia	2015	Mapping 'consistency' in India's climate change position: Dynamics and dilemmas of science diplomacy	AMBIO: A jour of Human Environment (1.167) SJR	In Press	Royal Swedish Academy of Science
2.	N Ahuja, HP Singh DR Batish and RK Kohli	2014	Eugenol-inhibited root growth in Avena fatua involves ROS-mediated oxidative damage	Pesticide Biochemistry & Physiology (2.079)	In Press	Elsevier USA
3.	HP Singh S.Kaur DR Batish RK Kohli	2014	Ferulic acid impairs rhizogenesis and root growth, and alters associated biochemical changes in mung bean (Vigna radiata) hypocotyls	Journal of Plant Interactions (0.90)	9 (1) 267-274	Taylor & Francis USA
4.	N.Chowhan, AS Bali, HP Singh DR Batish RK Kohli	2014	Reactive oxygen species generation and antioxidant defense system in hydroponically grown wheat (Triticum aestivum) upon β -pinene exposure: an early time course assessment	<u>Acta</u> <u>Physiologiae</u> <u>Plantarum</u> (1.344)	36 (4), 23-929	Springer- Poland / New York USA
5.	G. Kaur HP Singh DR Batish RK Kohli	2014	Pb-inhibited mitotic activity in onion roots involves DNA damage and disruption of oxidative metabolism	Ecotoxicology (2.5)	23 (7) 1292-1304 ISSN: 2321- 8169	Springer- Europe
6.	G. Kaur, HP Singh DR Batish, RK Kohli	2014	Morphological, anatomical, and structural changes (visualized through scanning electron microscopy) induced in <i>Triticum aestivum</i> by Pb ²⁺ treatment	Protoplasma (1.92)	51 (6), pp. 1407-1416	Springer-Germany
7.	N. Ahuja, DR Batish HP Singh and RK Kohli	2014	Herbicidal activity of eugenol towards some grassy and broad-leaved weeds	Journal of Pest Science (2.174)	In Press Pp 1-10	Springer-USA
8.	HP Singh DR Batish KS Dogra RK Kohli & A Negi	2014	Negative effect of litter of invasive weed <i>Lantana camara</i> on structure and composition of vegetation in the lower Shivalik Hills, North India	Environmental Monitoring and Assessment (1.592)	186 (6) 3379 - 3389	Springer-USA
9.	A. Negi HP Singh DR Batish RK Kohli	2014	Ni ²⁺ -inhibited radicle growth in germinating wheat seeds involves alterations in sugar metabolism	Acta Physiologie Plantarum (1.334)	36(4) 923-929	Springer-Poland
10.	P. Mahajan H.P.Singh D.R. Batish R.K.Kohli	2013	(Cr(VI) imposed toxicity in maize seedlings assessed in terms of disruption in carbohydrate metabolism	Biological Trace Element Research (1.523)	156 (1-3) 316-322 (1.523)	Springer-China
11.	N. Chowhan, H.P.Singh,. D.R Batish,., S.Kaur, N Ahuja, R.K.Kohli	2013	β -Pinene inhibited germination and early growth involves membrane peroxidation	<u>Protoplasma</u> (1.92)	250 (3) , pp. 691-700	Springer-Germany
12.	H.P.Singh, P.Mahajan S. Kaur, DR Batish, & R.K. Kohli	2013	Chromium toxicity and tolerance in plants	<i>Environmental Chemistry Letters</i> (1.623)	11(3) , pp 229-254 DOI: 10.1007/s10311- 013-0407-5	Springer-Verlag Berlin Heidelberg ISSN: 16103653
13.	A. Kaur,P.S. Jaswal and R.K.Kohli	2013	Genetically modified crops in the courts	<i>Environmental Policy and Law</i>	43(1) 36-40	Netherlands
14.	G.Kaur, HP Singh, DR Batish RK Kohli	2013	Lead (Pb)-induced biochemical and ultra-structural changes in wheat (<i>Triticum aestivum</i>) roots	<i>Protoplasma</i> (1.92)	250 (1) , pp. 53-62	Springer-Germany

15.	Amanpreet Kaur R.K.Kohli and PS Jaswal	2013	Genetically Modified Organisms- An Indian Ethical Dilemma	<i>J. Agricultural and Environmental Ethics</i> (1.109)	26 (3) pp 621-628 DOI 10.1007/s10806-012-9429-4 Pp: 1-8	Springer-Germany
16.	G., Kaur, H.P., Singh, D.R., Batish R.K Kohli,	2012	A time course assessment of changes in reactive oxygen species generation and antioxidant defense in hydroponically grown wheat in response to lead ion (Pb ²⁺)	<i>Protoplasma</i> (1.92)	249 (4) 1091 - 1100	Springer-Germany
17.	S.Kaur, HP Singh DR Batish A.Negi,P.Mahajan S.Rana RK Kohli	2012	Arsenic (As) inhibits radicle emergence and elongation in <i>Phaseolus aureus</i> by altering starch-metabolizing enzymes vis-à-vis disruption of oxidative metabolism	Biological Trace Element Research (1.523)	146, (3) 360-368	Springer-China
18.	H.P.Singh, V.P.Sharma DR Batish, RKKohli	2012	Cell-phone electromagnetic field radiation affect rhizogenesis through impairment of biochemical processes	Environmental Monitoring and Assessment (1.436)	184: 1813-1821	Springer-New York
19.	HP Singh, S.Kaur, S. Kumari, V.Saini, DR Batish RK Kohli	2012	Assessment of <i>in vitro</i> antioxidant activity of essential oil of <i>Eucalyptus citriodora</i> (lemon-scented Eucalypt; Myrtaceae) and its major constituents	LWT – Food Science and Technology (2.459)	48 (2) 237-241.	Elsevier-Swiss
20.	G.Kaur H.P.Singh DR Batish R.K.Kohli	2012	Growth, photosynthetic activity and oxidative stress in wheat (<i>Triticum aestivum</i>) after exposure of lead to soil	Journal of Environmental Biology (h-index 17)	33 (2) 265-269 ISSN: 0254-8704	India
21.	S. Kaur, H.P.Singh DR Batish, R.K.Kohli	2012	Phytotoxicity of decomposing below ground residue of <i>Ageratum conyzoides</i> : Nature and Dynamics of release of Phytotoxins.	Acta Physiologiae Plantarum (1.344)	34 (3) 1075-1081 DOI10.1007/s11738-011-0904-8	Springer- Poland / New York USA
22.	M.Chum, DR Batish, H.P.Singh, R.K.Kohli	2012	Phytotoxic effect of 2-benzoxazinone (BOA) against some vegetable crops	Journal of Environmental Biology (h-index 17)	33 (1) 21-25 ISSN: 0254-8704	India
23.	D.R. Batish HP.Singh,M.Kaur R.K.Kohli S.Singh	2012	Chemical Characterization and phytotoxicity of volatile essential oil from leaves of <i>Anisomeles indica</i> (Lamiaceae)	Biochemical Systematics and Ecology (1.367)	41 (5) 104-109	Elsevier, USA / Netherlands
24.	G. Kaur, HP Singh, DR. Batish R.K.Kohli	2012	Lead (Pb) induced biochemical and ultra-structural changes in wheat (<i>Triticum aestivum</i>) roots	Protoplasma (1.488)	In Press pp 1-10	Springer-China
25.	S.Kaur, H.P.Singh D.R. Batish R.K.Kohli	2012	<i>Artemisia scoparia</i> essential oil inhibited root growth involves reactive oxygen species (ROS)-mediated disruption of oxidative metabolism: In vivo ROS detection and alterations in antioxidant enzymes	Biochemical Systematics and Ecology (1.367)	44 390-399	Elsevier, USA / Netherlands
26.	S. Kaur, H.P. Singh, D.R. Batish and R.K. Kohli	2012	Role of monoterpenes in <i>Eucalyptus</i> communities	<i>Current Bioactive Compounds</i>	In Press	Netherlands
27.	S.Kaur, HP Singh DR Batish RK Kohli	2011	Chemical characterization, antioxidant and antifungal activity of essential oil from <i>Eucalyptus tereticornis</i>	J. Med Plant Research (0.879)	5(19) 4788-4793	Africa
28.	S. Kaur, H.P. Singh, D.R Batish and R.K.Kohli	2011	Phytotoxicity of decomposing below-ground residues of <i>Ageratum conyzoides</i> : nature and dynamics of release of phytotoxins	Acta Physiologiae Plantarum (1.344)	33: 2369-2376 ISSN: 0137-881	Springer-Poland
29.	G, Kaur, HP, Singh DR, Batish R.K.Kohli	2011	A time course assessment of changes in reactive oxygen species and anti-oxidant defense in hydroponically grown wheat in response to lead ions (Pb ²⁺)	Protoplasma (1.488)	In Press pp1-10 ISSN: 0033-183X DOI: 10.1007/s00709-011-0353-7	Springer-China
30.	H.P.Singh, G.Kaur, D.R.Batish & R.K.Kohli	2011	Lead (Pb)-inhibited Radicle Emergence in <i>Brassica campestris</i> involves alterations in Starch metabolizing	Biological Trace Element Research	In Press P-1-7 ISSN: 0163-	Springer-China

			enzymes	(1.523)	4984	
31.	S. Kaur, H.P. Singh, D.R. Batish, R.K. Kohli	2011	Chemical Characterization and Allelopathic Potential of Volatile oil of Eucalyptus tereticornis Against <i>Amaranthus viridis</i>	Journal of Plant Interactions (0.609)	6(4): 297-302 ISSN: 17429153, 17429145	Italy
32.	S. Kaur, S.Rana, H.P. Singh, D.R. Batish, and R.K. Kohli	2011	Citronellol disrupts membrane integrity by inducing free radical generation	Zeitschrift fur Naturforschug (0.8)	66 C (5-6), 260-266 ISSN 0939-5075	Germany
33.	N. Chowhan, H.P. Singh, D.R. Batish, and R.K. Kohli	2011	Phytotoxic effects of β -pinene on early growth and associated biochemical changes in rice	Acta Physiologiae Plantarum (1.232)	33 (6), 2369-2376 ISSN: 0137-881 (print version)	Poland DOI: 10.1007/s11738-011-0777-x
34.	P.Kumar, R.K.kohli D.R.Batish	2010	Evaluation of the Impact of Lantana camara L. invasion on four major woody shrubs along river Pauri Garhwal in Utrakhand, Himalaya	International J. Biodiversity and Conservation	2(8): 155-161	
35.	S.Kaur, HP Singh, S. Mittal, DR Batish & R.K.Kohli	2010	Phytotoxic effects of volatile oil from <i>Artemisia scoparia</i> against weeds and its possible use as a bioherbicide	Industrial Crops and Products (2.378)	32 (1) 54-61 ISSN:0926-6690	USA
36.	H.P.Singh, S. Kaur, S. Mittal, DR Batish R.K.Kohli	2010	<i>In vitro</i> screening of essential oil from young and mature leaves of <i>Artemisia scoparia</i> compared to its major constituents for free radical scavenging activity	Food and Chemical Toxicology (2.552)	48 (4), 1040-1044 ISSN: 0278-6915	USA
37.	DR Batish N. Chauhan RK Kohli	2010	β -Pinene ameliorates As-induced oxidative damage in rice roots	Arsenic in the Environment	3rd Intern Cong: 245-246	USA
38.	V P Sharma HP Singh DR Batish RK Kohli	2010	Cell Phone Radiations Affect Early Growth of <i>Vigna radiata</i> (Mung Bean) through Biochemical Alterations	Zeitschrift für Naturforschung (0.8)	65c 66-72 ISSN 0939-5075	Germany
39.	VP Sharma HP Singh R K Kohli DR Batish	2009	Mobile phone radiation inhibits <i>Vigna radiata</i> (mung bean) root growth by inducing oxidative stress	Science of the total Environment (3.399)	407 (21). 5543-5547 ISSN: 0048-9697	Netherlands
40.	H PSingh S Kaur S. Mittal DR Batish RK Kohli	2009	Essential Oil of <i>Artemisia scoparia</i> Inhibits Plant Growth by Generating Reactive Oxygen Species and Causing Oxidative Damage	J Chem Ecology (2.41)	35:154–162 DOI10.1007/s10886-009-9595-7 ISSN: 0098-0331	USA
41.	H.P.Singh, S. Mittal, S., Kaur, DR.Batish R.K.Kohli	2009	Characterization and antioxidant activity of essential oils from fresh and decaying leaves of <i>Eucalyptus tereticornis</i>	Journal of Agricultural and Food Chemistry (2.562)	57 (15), 6962-6966 ISSN:0021-8561	USA
42.	Singh, H.P., Mittal, S., Kaur, S., Batish, D.R., Kohli, R.K.	2009	Chemical composition and antioxidant activity of essential oil from residues of <i>Artemisia scoparia</i>	Food Chemistry (3.606)	114 (2), 642-645 ISSN: 0308-8146	USA
43.	H.P.Singh, S.Kaur, DR Batish, VP Sharma, N.Sharma, R.K.Kohli	2009	Nitric Oxide alleviates arsenic toxicity by reducing oxidative damage in the roots of <i>Oryza sativa</i> (rice)	Nitric Oxide - Biology and Chemistry (2.793)	20 (4), 289-297 Doi:10.1016/j.niox.2009.02.004 ISSN: 0308-8146	Germany
44.	DR. Batish,SKaur, H.P. Singh & R.K. Kohli	2009	Role of root-mediated interactions in phytotoxic interference of <i>Ageratum conyzoides</i> with rice (<i>Oryza sativa</i>)	Flora: Morphology , Distribution Functional Ecology of Plants (1.439)	204(5) 388-395 Doi10.1016/j.flora.2008.05.003 ISSN: 0367-2530	Germany
45.	DR. Batish, SKaur HP Singh RKKohli	2009	Nature of interference potential of leaf debris of <i>Ageratum conyzoides</i>	Plant Growth Regulation (2.438)	57 (2), 137-144 DOI10.1007/s10725-008-9329-9	Netherlands
46.	Singh, H.P., Kaur, S., Batish, D.R., R.K. Kohli	2009	Caffeic acid inhibits in vitro rooting in mung bean [<i>Vigna radiata</i> (L.) Wilczek] hypocotyls by inducing oxidative stress	Plant Growth Regulation (2.438)	57 (1) pp. 21-30 ISSN: 0721-7595	Netherlands

47.	HP.Singh,DR Batish, S. Mittal, KS. S.Yadav, R.K.Kohli	2008	Constituents of leaf essential oil of <i>Mentha longifolia</i> from India	<i>Chemistry of Natural Compounds</i> (0.572)	44(4) 528-529 ISSN: 0009-3130	USA
48.	H.P. Singh, S. Kaur, S. Mittal, D.R. Batish and R.K. Kohli	2008	Phytotoxicity of Major Constituents of Volatile Oil from Leaves of <i>Artemisia scoparia</i> Waldst. & Kit.	<i>Zeitschrift für Naturforschung</i> (0.8)	63c (9-10): 663-666 ISSN 0939-5075	Germany
49.	DR Batish, HP.Singh, R. K. Kohli , S. Kaur	2008	Eucalyptus essential oil as a natural pesticide	<i>Forest Ecology & Management</i> (2.418)	256(12) 2166-2174 ISSN: 0378-1127	Netherlands
50.	HP.Singh,DRBatish R.K. Kohli , S. Mittal & SS. Yadav	2008	Chemical composition of essential oils from leaves of <i>Chenopodium ambrosioides</i>	<i>Chemistry of Natural Compounds</i> (0.572)	44 (3): 378-379. ISSN: 0009-3130	USA
51.	D.R. Batish, H.P. Singh, S. Kaur, R.K. Kohli and S.S. Yadav	2008	Caffeic acid affects early growth and morphogenetic response of hypocotyl cuttings of mung bean (<i>Phaseolus aureus</i>)	<i>Journal of Plant Physiology</i> (6.982)	165 (3): 297-305 doi: 0.1016/j.jp lph.2007.05.003 ISSN: 0032-0889	USA
52.	D.R. Batish, H.P. Singh, M. Kaur, R.K. Kohli and S.S. Yadav	2008	Caffeine affects adventitious rooting and causes biochemical changes in the hypocotyl cuttings of mung bean (<i>Phaseolus aureus</i> Roxb.)	<i>Acta Physiologiae Plantarum</i> (1.232)	30(3): 401-405. doi:10.1007/s 11738-007-0132-4 ISSN: 0137-5881	Poland/ USA
53.	H.P. Singh, D.R. Batish, G. Kaur, K. Arora and R.K. Kohli	2008	Nitric oxide (as Sodium nitroprusside) supplementation ameliorates Cd toxicity in hydroponically grown wheat roots	<i>Environmental and Experimental Botany</i> (3.355)	63(1): 158-167 doi:10.1016/j.en vexbot.2007.12.005 ISSN 0098-8472	USA
54.	DR Batish, H.P.Singh, R.K. Kohli , S. Kaur, D.B.Saxena &S.Yadav	2007	Assessment of Phytotoxicity of Parthenin	<i>Zeitschrift für Naturforschung</i> (0.8)	62(5,6)C : 367-372 ISSN 0939-5075	Germany
55.	H.P.Singh, D.R. Batish, R.K. Kohli and K. Arora	2007	Arsenic-induced root growth inhibition in mung bean (<i>Phaseolus aureus</i> Roxb.) is due to oxidative stress resulting from enhanced lipid peroxidation	<i>Plant Growth Regulation</i> (2.438)	53(1): 65-73 doi: 10.1007/s107 25-007-9205-z ISSN: 0721-7595	Netherlands
56.	D.R.Batish, K. Arora, HP. Singh, R.K. Kohli	2007	Potential utilization of dried powder of <i>Tagetes minuta</i> as a natural herbicide for managing rice weeds	<i>Crop Protection</i> (1.492)	26(4): 566-571 doi:10.1016/j.cropr o.2006.05.008 ISSN 0261-2194	England
57.	D.R. Batish, K.Lavanya,HP.Singh, and R.K. Kohli	2007	Root-mediated Allelopathic interference of Nettle-leaved goosefoot <i>Chenopodium murale</i> on wheat (<i>Triticum aestivum</i>)	<i>Journal of Agronomy and Crop Science</i> (2.283)	193(1):37-44 doi:10.1111/j.1439- 037X.2006. 00243 ISSN: 0931-2250	Germany
58.	D.R. Batish H.P. Singh, M. Kaur R.K. Kohli	2007	Phytotoxicity of a medicinal plant, <i>Anisomeles indica</i> , against <i>Phalaris minor</i> and its potential use as natural herbicide in wheat fields	<i>Crop Protection</i> (1.492)	26 (7): 948-952 doi:10.1016/j.cropr o.2006.08.015 ISSN 0261-2194	England
59.	N.Setia, DR.Batish, HP.Singh R K. Kohli	2007	Phytotoxicity of volatile oils from <i>Eucalyptus citriodora</i> against some weedy species	<i>Journal of Environmental Biology</i> (0.858)	28(1): 63-66 ISSN: 0254-8704	India
60.	DR.Batish,HPSingh N.Setia, R.K. Kohli , SS.Yadav	2007	Alternative control of little seed canary grass using eucalypt oil.	<i>Agronomy for Sustainable Development</i> (1.65)	27: 171-177 doi: 10.1007/s107 25-006- 9153-zISSN: 1774-0746.	France

61.	D.R. Batish, K. Lavanya, H.P. Singh, R.K. Kohli	2007	Phenolic allelochemicals released by <i>Chenopodium murale</i> affect the growth, nodulation and macromolecule content in chickpea and pea.	<i>Plant Growth Regulation</i> (2.438)	51 (2): 119-128 doi: 10.1007/s10725-006-9153-z ISSN: 0721-7595	Netherlands
62.	K. K. Sangha, R.K. Jalota and R. K. Kohli	2007	Social acceptance and value of use and non -use ecological services of exotic <i>Eucalyptus tereticornis</i> and indigenous <i>Dalbergia sissoo</i> tree plantations in N-W India	<i>Intern J. Ecological Economics and Statistics</i> (0.270)	vol 7 (W07) 68-85 ISSN 0973-1385	India
63.	R. K. Kohli D.R. Batish H.P. Singh and K.S. Dogra	2006	Status, Invasiveness and Environmental threats of three tropical American invasive weeds (<i>Parthenium hysterophorus</i> L. <i>Ageratum conyzoides</i> L. <i>Lantana camara</i> L.) in India	<i>Biological Invasion</i> (3.074)	8(7) 1501-1510 doi:10.1007/s10530-005-5842-1 ISSN: 1387-3547	Netherlands
64.	D.R. Batish, P. Gupta, H.P. Singh, R.K. Kohli	2006	L-DOPA (L-3,4-dihydroxyphenylalanine) affects rooting potential and associated biochemical changes in hypocotyl of mung bean, and inhibits mitotic activity in onion root tips	<i>Plant Growth Regulation</i> (2.438)	49 (2-3): 229-235 doi:10.1007/s10725-006-9114-6 ISSN: 0721-7595	Netherlands
65.	H.P. Singh , D.R. Batish, S. Kaur, R.K. Kohli and K. Arora	2006	Chemical composition and inhibitory activity of essential oil from decaying leaves of <i>Eucalyptus citriodora</i>	<i>Zeitschrift für Naturforschung Section C J Biosciences</i> (0.979)	61 (1-2): 52-56 ISSN 0939-5075	Germany
66.	H.P. Singh , D.R. Batish, S. Kaur, R.K. Kohli and K. Arora	2006	Phytotoxicity of the volatile monoterpene citronellal against some weeds	<i>Zeitschrift für Naturforschung Section C J Biosciences</i> (0.979)	61 (5-6): 334-340 ISSN 0939-5075	Germany
67.	HP. Singh, DR. Batish S. Kaur, K. Arora R.K. Kohli	2006	α -Pinene Inhibits Growth and Induces Oxidative Stress in Roots	<i>Annals of Botany</i> (3.501)	98 (6): 1261-1269 ISSN 0305-7364	England
68.	D.R. Batish, H.P. Singh, N. Setia, S. Kaur and R.K. Kohli	2006	2-Benzoxazinone (BOA) induced oxidative stress, lipid peroxidation and changes in some antioxidant enzyme activities in mung bean (<i>Phaseolus aureus</i>)	<i>Plant Physiology & Biochemistry</i> (2.724)	44 (11-12): 819-827 doi:10.1016/j.plaphy.2006.10.014 ISSN: 0981-9428	France / USA
69.	Batish DR, Singh HP, Setia N, Kaur S, RK Kohli	2006	Effect of 2-Benzoxazinone (BOA) on seedling growth and associated biochemical changes in mung bean (<i>Phaseolus aureus</i>)	<i>Zeitschrift für Naturforschung Section C J Biosciences</i> (0.979)	61 (9-10) 709-714 ISSN 0939-5075	Germany
70.	Batish DR, Singh HP, Setia N, Kaur S, RK Kohli	2006	Chemical composition and phyto-toxicity of volatile essential oil from intact and fallen leaves of <i>Eucalyptus citriodora</i>	<i>Zeitschrift für Naturforschung</i> (0.979)	61(7-8) 465-471 ISSN 0939-5075	Germany
71.	D.R. Batish, H.P. Singh, N. Rana and R.K. Kohli	2006	Assessment of allelopathic interference of <i>Chenopodium album</i> through its leachates, debris extracts, rhizosphere and amended soil	<i>Archives of Agronomy and Soil Science</i> (1.413)	52 (6): 705-715 ISSN: 0365-0340	England
72.	HP. Singh, DR. Batish, S. Kaur, and R.K. Kohli	2006	Phytotoxicity of <i>Ageratum conyzoides</i> residues towards growth and nodulation of <i>Cicer arietinum</i>	<i>Agriculture, Ecosystems & Environment</i> (3.462)	113 (1-4): 399-401 ISSN 0167-8809	Netherlands
73.	H.P. Singh, D.R. Batish, S. Kaur, N. Setia R. K. Kohli	2005	Effect of 2-Benzoxazinone on the germination, early growth and morphogenetic response of mung bean (<i>Phaseolus aureus</i> Roxb.)	<i>Annals of Applied Biology</i> (1.752)	147 (3): 267-274 ISSN 0003-4746	England
74.	H.P. Singh, DR. Batish, N. Setia and R.K. Kohli	2005	Phytotoxic effects of <i>Parthenium hysterophorus</i> residues on three Brassica species.	<i>Weed Biology and Management</i> (0.743)	5 (3): 105-109 ISSN: 1445-6664	Japan

75.	D.R.Batish, HP.Singh, J.K. Pandher, R.K. Kohli	2005	Allelopathic Interference of <i>Parthenium hysterophorus</i> residues in soil	<i>Allelopathy Journal</i> (0.793)	15 (2): 267-273 ISSN: 0971-1693	India
76.	H.P.Singh, Daizy R. Batish N.Setia and R.K.Kohli	2005	Herbicidal activity of Volatile oils from <i>Eucalyptus citriodora</i> against <i>Parthenium hysterophorus</i>	<i>Annals of Applied Biology</i> (1.752)	146 (1): 89-94 ISSN 0003-4746	England
77.	R.K. Kohli, K.S.Dogra, D. R. Batish and H.P.Singh	2004	Impact of invasive plants on the structure and composition of natural vegetation of north western Indian Himalayas	<i>Weed Technology</i> (0.749)	18: 1296-1300 ISSN: 0890-037X	USA
78.	D.R.Batish, H.P.Singh R.K. Kohli, V.Arora ,S.Yadav	2004	Management of Invasive Exotic weeds require community participation	<i>Weed Technology</i> (0.749)	18: 1445-1448 ISSN: 0890-037X	USA
79.	D.R.Batish, H.P.Singh S.Kaur, V.Arora R.K. Kohli	2004	Allelopathic Interference of Residues of <i>Ageratum conyzoides</i>	<i>J. Plant Disease and Protection</i> (0.566)	XIX: 293-299 ISSN 0340-8159	Germany
80.	HP.Singh,DR.Batish S.Kaur, S.Vaid and R.K. Kohli	2004	Weed suppressing ability of some volatile monoterpenes	<i>J. Plant Disease and Protection</i> (0.566)	XIX: 821-828 ISSN 0340-8159	Germany
81.	D.R. Batish, N.Setia, H.P. Singh and R.K.Kohli	2004	Phytotoxicity of lemon-scented eucalypt oil and its potential use as bio-herbicide	<i>Crop Protection</i> (1.492)	23 (12): 1209-1214 ISSN 0261-2194	England
82.	H.P.Singh, DR.Batish, J.K. Pandher and R.K.Kohli	2003	Assessment of allelopathic properties of <i>Parthenium hysterophorus</i> residues	<i>Agriculture, Ecosystem and Environment</i> (3.462)	95 (2-3): 537-541 ISSN 0167-8809	Netherlands
83.	H.P.Singh, D.R. Batish, R.K.Kohli and S.Kaur	2003	Phytotoxic Interference of <i>Ageratum conyzoides</i> with wheat	<i>J. Agronomy & Crop Science</i> (2.283)	189 (5): 341-346 ISSN: 1439-037X	Germany
84.	H. P. Singh, D. R. Batish and R.K.Kohli	2003	Allelopathic interactions and allelochemicals: New Possibilities for sustainable weed management	<i>*Critical Reviews in Plant Sciences</i> (6.796)	22 (3-4): 239-311 ISSN: 0735-2689.	USA
85.	HP.Singh, DR. Batish, S.Kaur, H.Ramezani and R.K.Kohli	2002	Comparative phytotoxicity of four monoterpenes against <i>Cassia occidentalis</i>	<i>Annals of applied Biology</i> (1.752)	141 (2): 111-116 ISSN 0003-4746	England
86.	D.R.Batish, H.P.Singh R.K.Kohli	2002	Utilization of allelopathic interactions for weed management	<i>J. Plant Disease and Protection</i> (0.566)	XVIII: 589-596 ISSN 0340-8159	Germany
87.	H.P.Singh, DR. Batish S.Kaur, H.Ramezani and R.K.Kohli	2002	Potential utilization of volatile oils from <i>Eucalyptus citriodora</i> for weed management	<i>J. Plant Disease and Protection</i> (0.566)	XVIII: 607-614 ISSN 0340-8159	Germany
88.	DR.BatishHP.Singh J.K.Pandher, V.Arora & R. K. Kohli	2002	Phytotoxic effect of <i>Parthenium hysterophours</i> residues on selected soil properties and growth of chickpea and radish	<i>Weed Biology and Management</i> (0.743)	2: 73-78 ISSN: 1445-6664	Japan
89.	HP.Singh,D.R. Batish R.K.Kohli, D.B.Saxena and V. Arora	2002	Effect of Parthenin- a sesquiterpene lactone from <i>Parthenium hysterophours</i> - on early growth and physiology of <i>Ageratum conyzoides</i>	<i>Journal of Chemical Ecology</i> (2.411)	28 (11): 2169-2179 ISSN:0098-0331	USA

90.	HP.Singh, D.R. Batish R.K.Kohli	2002	Allelopathic effects of two volatile monoterpenes against bill-goat weed (<i>Ageratum conyzoides</i> L.)	<i>Crop Protection</i> (1.492)	21 (4): 347-350 ISSN 0261-2194	England
91.	DR. Batish HP. Singh, R.K.Kohli , DB.Saxena & S.Kaur	2002	Allelopathic effect of Parthenin against <i>Avena fatua</i> and <i>Bidens pilosa</i> .	<i>Environmental & Experimental Botany</i> (3.355)	47 (2): 149-155 ISSN 0098-8472	USA
92.	H.Ramezani, H.P. Singh, D.R.Batish and R. K. Kohli	2002	Antifungal activity of volatile oils of <i>Eucalyptus citriodora</i> .	<i>Fitoterapia (Elsevier Science)</i> (1.708)	73 (3): 261-262 ISSN: 1478-6427	Italy
93.	DR. Batish HP. Singh, D.B.Saxena R.K.Kohli,	2002	Phytotoxicity of sunflower residues against some summer season crops	<i>Journal of Agronomy and Crop Sciences</i> (2.283)	188 (1): 19-24 ISSN: 0931-2250.	Germany
94.	DR. Batish H.P. Singh R.K. Kohli	2001	Vegetation exclusion under <i>Casuarina equisetifolia</i> L.: Does allelopathy play a role?	<i>Community Ecology</i> (0.604)	2(1) : 93-100 ISSN: 1585-8553	Hungary
95.	H.P. Singh R.K. Kohli, D.R. Batish	2001	Allelopathic interference of <i>Populus deltoides</i> with some winter season crops.	<i>Agronomie: (now Agronomy for Sustainable Development)</i> (1.65)	21 (2): 139-146 ISSN: 1774-0746.	France
96.	HP. Singh DR. Batish and R.K. Kohli	2001	Allelopathy in agroeco- systems – an overview	<i>Journal of Crop Production</i> (0.381)	4 (2): 1-41 ISSN: 1092-678x	USA
97.	D.R. Batish, H.P. Singh R.K. Kohli D.B. Saxena	2001	Allelopathic effects of parthenin –a sesquiterpene lactone on germination and early growth of mung bean (<i>Phaseolus aureus</i> Roxb.)	<i>Plant Growth Regulatory Soc. of America, Quarterly</i>	29: 81-92	USA
98.	D.R. Batish, H.P. Singh R.K.Kohli & S.Kaur	2001	Crop Allelopathy and its role in Ecological Agriculture	<i>Journal of Crop Production</i> (0.381)	4 (2): 121-161 ISSN: 1092-678x	USA
99.	RK Kohli, HP Singh, DR Batish	2001	Journal of Crop Production: Preface	<i>Journal of Crop Production</i> (0.381)	4 (2) xxiii-xxv ISSN: 1092-678x	USA
100.	H.P. Singh, D.R. Batish R.K. Kohli	1999	Allelopathic effect of <i>Leucaena leucocephala</i> on <i>Zea mays</i>	<i>J. of Tropical Forest Science</i> (0.323)	11(4): 801-808 ISSN: 0128-1283	Malaysia 4
101.	S.J.H. Rizvi, M. Tahir, V. Rizvi, R.K. Kohli, A. Rahman	1999	Allelopathic Interactions in agroforestry systems	<i>Critical Reviews in Plant Sciences</i> (6.796)	18(6) : 773-796 ISSN: 0735-2689	USA 18
102.	H.P. Singh, D Batish and R.K. Kohli	1999	Autotoxicity - concepts organisms and ecological significance	<i>Critical Reviews in Plant Sciences</i> (6.796)	18(6) : 757-772 ISSN: 0735-2689	USA 66
103.	H.P. Singh, R.K. Kohli Daizy R. Batish	1999	Impact of <i>Populus deltoides</i> & <i>Dalbergia sissoo</i> shelterbelts on wheat-a comparative study	<i>International Tree Crops Journal (now Forests Trees and Livelihood)</i> (0.574)	10 (1): 51-60 ISSN: 14728028	England

104.	H.P.Singh, R.K.Kohli , D R Batish PS. Kaushal	1999	Allelopathy of Gymnospermous Trees – A Review	<i>Journal of Forest Research</i> (0.78)	4 (3): 245-254 ISSN: 1007-662X	Japan
105.	H.P. Singh, R.K.Kohli Daizy R. Batish	1998	Effects of Poplar (<i>Populus deltoids</i>) on the growth and yield of wheat in Punjab, India	<i>Agroforestry Systems</i> (1.016)	40: 207-213 ISSN: 0167-4366	Netherlands
106.	R.K. Kohli , D R. Batish HP. Singh	1998	Eucalypt oils for the control of Parthenium (<i>Parthenium hysterophorus</i> L)	<i>Crop Protection</i> (1.492)	17 (2): 119-122 ISSN 0261-2194	England
107.	R.K. Kohli , D.R. Batish HP. Singh	1998	Allelopathy and its implications in agro-ecosystems	<i>Journal of Crop Production</i> (0.381)	1 (1): 169-202 ISSN: 1092-678x	USA 47
108.	DR. Batish, R.K. Kohli , H.P. Singh, D. B. Saxena	1997	Studies on the herbicidal activity of parthenin - a constituent of <i>Parthenium hysterophorus</i> towards bill goat weed (<i>Ageratum conyzoides</i>)	<i>Current Science</i> (0.8)	73(4) : 369-371 ISSN: 00113891	India 20
109.	Daizy R. Batish, R.K. Kohli , DB. Saxena HP Singh	1997	Growth regulatory response of parthenin and its derivatives	<i>Plant Growth Regulation</i> (2.438)	21 (3): 189-195 ISSN: 0721-7595	Netherlands 14
110.	R.K. Kohli , H.P. Singh, D. Rani	1996	Status of Floor Vegetation under Some Monoculture and Mixculture Plantations in North India	<i>Jour of Forest Research</i> (0.078)	1(4) : 205-209 ISSN: 1341-6979	Japan 4
111.	R.K. Kohli and Daizy Rani	1994	Exhibition of allelopathy by <i>Parthenium hysterophorus</i> in agroecosystems	<i>Tropical Ecology</i> (0.42)?	35(2) : 295 – 307 ISSN: 0266-4674	India 20
112.	R.K. Kohli , Daizy Rani and R.C. Verma	1993	A Mathematical Model to predict the tissue response to Parthenin - an allelochemic	<i>Biologia Plantarum</i> (1.656)	35(4) : 567-576 ISSN: 0006-3134	Czecho- Slovakia 9
113.	R.K. Arora and R.K. Kohli	1993	Autotoxic Impact of Essential oil extracted from <i>Lantana camara</i>	<i>Biologia Plantarum</i> (1.656)	35(2): 293-297 ISSN: 0006-3134	Czecho- Slovakia 8
114.	D. Singh and R.K. Kohli	1992	Impact of <i>Eucalyptus tereticornis</i> Sm. shelterbelts on crops	<i>Agroforestry Systems</i> (1.016)	20 (3): 253-266 ISSN: 0167-4366	Netherlands 13
115.	R.K. Kohli and Daljit Singh	1991	Allelopathic impact of volatile components from <i>Eucalyptus</i> on crop plants	<i>Biologia Plantarum</i> (1.656)	33(6) : 475-483 ISSN: 0006-3134	Czecho- slovakia
116.	Daizy Rani and R.K. Kohli	1991	Fresh Matter is not an appropriate Relation unit for Chlorophyll content: Experience from experiments on effects of Herbicide and allelopathic substance	<i>Photosynthetica</i> (1.072)	25(4) : 655-658 ISSN: 0300-3604	Czecho- slovakia
117.	D.Singh, R.K. Kohli D.B. Saxena	1991	Effect of eucalyptus oil on germination and growth of <i>Phaseolus aureus</i> Roxb.	<i>Plant and Soil</i> (2.519)	137(2): 223-227 ISSN: 0032-079X	Netherlands
118.	R.K. Kohli , Daljit Singh and R.C Verma	1990	Influence of eucalypt shelterbelt on winter season Agroecosystems	<i>Agriculture Ecosystems & Environment</i> (3.462)	33 (1): 23-31 ISSN 0167-8809	Netherlands 13
119.	Anita Kumari and R.K. Kohli	1987	Autotoxicity of ragweed parthenium (<i>Parthenium hysterophorus</i> L.)	<i>Weed Science</i> (1.48)	35: 629-635 ISSN: 0043-1745	USA

120.	K.B. Arora and R.K. Kohli	1985	Effect of herbicides on flowering and rooting in <i>Lantana camara</i>	<i>Acta Universitatis Agriculturae</i> (0.047)	33(3): 385-398 ISSN 0355-3213	Czecho- slovakia
121.	R.K. Kohli , A.Kumari, DB.Saxena	1985	Auto-and Teletoxicity in <i>Parthenium hysterophorus</i> L.	<i>Acta Universitatis Agriculturae</i>	33(3): 253-264 ISSN 0355-	Czecho- slovakia
122.	F. Seidlova, R.K. Kohli & L. Pavlova	1981	Effect of abscisic acid on the growth pattern of the shoot apical meristem on flowering in <i>Chenopodium rubrum</i> L.	<i>Annals of Botany</i> (3.501)	48 (6): 777-785 ISSN 0305-7364	U.K.
123.	S. Sawhney, A.S. Basra and R. K. Kohli	1981	Enzyme activity and electrophoretic pattern of isoenzymes of peroxidase, esterase and alkaline phosphatase in relation to flowering in <i>Amaranthus viridis</i> a quantitative SD plant.	<i>Biologia Plantarum</i> (1.656)	23(5): 335-341 ISSN: 0006-3134	Czecho- slovakia
124.	R.K. Kohli and F. Seidlova	1981	Growth correlations in <i>Brassica campestris</i> - a long day plant during transition to flowering	<i>Biologia Plantarum</i> (1.656)	23(1): 41-45 ISSN: 0006-3134	Czecho- slovakia
125.	J. Krekule and R.K. Kohli	1981	The condition of the apical meristem and seedling, responsive to a promotive effect of ABA, plant on flowering in short day - <i>Chenopodium rubrum</i>	<i>Zeitschrift Pflanzen Physiologie</i> (2.708)	103(1): 45-51 ISSN: 0044-328X	Germany
126.	R.K. Kohli , S.Sawhney and N.Sawhney	1980	Photo-induced changes in protein associated with floral induction in <i>Amaranthus</i> .	<i>Plant and Cell Physiology</i> (3.594)	21(8): 1483-1490	Japan
127.	R.K. Kohli and S. Sawhney	1979	Promotory effect of GA ₁₃ on flowering of <i>Amaranthus</i> - a short day plant	<i>Biologia Plantarum</i> (1.656)	21(3): 206-213 ISSN: 0006-3134	Czecho- slovakia

B: Peer-reviewed SCI Referred Journals but without Impact Factors

128.	VP Sharma, HP Singh RK Kohli	2009	Effect of mobile phone EMF on biochemical changes in emerging seedlings of <i>Phaseolus Aureus</i> Roxb., ..	<i>The Ecoscan</i>	3(3&4),211-214	India
129.	Kuldip S Dogra, R K Kohli , S.K.Sood & P.K.Dobhal	2009	Impact of <i>Ageratum conyzoides</i> L. on the diversity and composition of vegetation in Shivalik hills of Himachal Pradesh (Northwestern Himalaya), India	<i>International Journal of Biodiversity & Conservation</i>	1 (5) 135-145	Nairobi
130.	R.K. Kohli , D.R. Batish, and H.P. Singh	2005	Need to establish Long-term Ecological Research Network in India	<i>Bull. Natl. Inst. Ecol.</i>	15: 271-276	India
131.	K.Yadav, HP.Singh, D.R. Batish, R.K. Kohli	2005	Allelopathic effect of <i>Lantana camara</i> L. roots on <i>Cassia glauca</i> Lam.	<i>Int. J. Bioscience Reporter.</i>	3: 218-222	India
132.	K. Lavanya, D.R. Batish, H.P. Singh, R.K. Kohli and K. Arora	2005	Allelopathic effect of <i>Chenopodium murale</i> towards <i>Lens culinaris</i>	<i>Indian J. Environ. & Ecoplanning</i>	10: 313-316	India
133.	S.Vaid, D.R.Batish, H.P. Singh & R.K. Kohli	2005	Allelopathic effect of linalool against <i>Parthenium hysterophorus</i> L.	<i>Bioscience Reporter</i>	3: 76-81	India
134.	M.Kaur, DR. Batish, H.P.Singh & R. K. Kohli	2005	Phytotoxic effect of <i>Anisomeles indica</i> (L.) O. Kuntze against some weeds	<i>Indian J. Environ. & Ecoplanning</i>	10: 595-599	India
135.	DR.Batish,HP Singh R.K.Kohli , S.Kaur,	2003	Phytotoxicity of Parthenin: Effect on membrane integrity	<i>Indian J. Plant Physiology</i>	435-438	India

	D.B.Saxena					
136.	R.K. Kohli, DR. Batish H. P. Singh	2003	Important tree species (Lead invited Topic)	<i>Forests & Forest Plants, In: Encyclopedia of Life Support System (EOLSS), UNESCO</i>	UNESCO Pub. Oxford www.eolss.net	UK
137.	DR. Batish, R.K.Kohli, H.P.Singh and R.Dhiman	2003	Tropical Hardwoods (Invited article)	<i>Forests & Forest Plants, In: Encyclopedia of Life Support System (EOLSS), UNESCO</i>	UNESCO Pub. Oxford www.eolss.net	UK
138.	DR. Batish, H.P.Singh D.B.Saxena and R. K. Kohli	2002	Weed suppressing ability of parthenin - a sesquiterpene lactone from <i>Parthenium hysterophorus</i>	<i>New Zealand Plant Protection</i>	55: 218-222	New Zeal and
139.	H.Ramezani HP Singh, DR. Batish R. K. Kohli and DB. Saxena	2002	Fungicidal effect of volatile oils from <i>Eucalyptus citriodora</i> and its major component citronellal	<i>New Zealand Plant Protection</i>	55: 327-330	New Zeal and
140.	P.K. Kalia, R.K. Kohli, Bong-Seop Kil	2000	Phytotoxic Effects of Parthenin on <i>Ageratum conyzoides</i> L.	<i>Korean Journal of Biological Science</i>	4: 325-328	Kore a
141.	R. K. Jalota, K.K. Sangha and R.K. Kohli	2000	Under-storey Vegetation of Forest Plantations in N-W India- An Ecological Economic Assessment	<i>J. of Tropical Medicinal Plants</i>	1 (1&2) 115-124	Malay sia
142.	R.K. Kohli DR. Batish, H.P.Singh	1999	Allelopathy as a tool for weed and pest management	<i>J. Punjab Academy of Sci</i>	1: 127-131	India
143.	R.K.Kohli	1998	Allelopathic Interactions in Forestry Systems	<i>Forestry Science</i>	54 269-283	Netherla nds
144.	R.K. Kohli, H.P. Singh Daizy R. Batish	1997	Phytotoxic potential of <i>Populus deltoides</i> Bartr. ex Marsh. I. Comparative contribution of different parts	<i>Indian Journal of Forestry</i>	20(3) : 300-304	India
145.	R.K. Kohli, Daljit Singh, D. Rani, R K. Jalota	1997	Allelopathic Interference of <i>Eucalyptus tereticornis</i> Sm. I Growth Performance of some Agricultural Crops	<i>Journal of Tree Sciences</i>	16(1) : 24-32	India
146.	R.K. Kohli, Daljit Singh, D.Rani H.P. Singh	1997	Allelopathic Interference of <i>Eucalyptus tereticornis</i> Sm. II Status of Nutrients & phytotoxins on the soil floor	<i>Journal of Tree Sciences</i>	16(1): 33-38	India
147.	DB Saxena, AK Gupta, S Gupta & RK Kohli	1997	Weed Management through Allelopathy – A study (in Hindi)	<i>CSIR Bullitin</i>	5(2) 98 -100	India
148.	R.K. Kohli, Daizy Rani, PTung D. Singh & P. Kalia	1996	Allelopathic impact of non-volatile components from <i>Eucalyptus globulus</i> Labill. on <i>Parthenium hysterophorus</i> L.	<i>Journal of Tree Sciences</i>	15(1); 22-25	India
149.	R. K. Kohli, Daizy Rani H.P.Singh, S. Gupta	1996	Response of crop seeds towards the leaf leachates of <i>Parthenium hysterophorus</i> L.	<i>Indian Journal of Weed Science</i>	28(1&2) : 104-106	India
150.	R. K. Kohli, D. R. Batish	1994	<i>Parthenium hysterophorus</i> L – A Review	<i>Res. Bull. Sci. (P.U.)</i>	44: 105-149	India
151.	R.K. Kohli and Daizy Rani	1992	Exploitation of Allelopathic phenomenon to the improvement of herbicidal action of Glyphosate	<i>Indian Journal of Weed Science</i>	24(1,2) : 65-68	India
152.	DB.Saxena, P.Dureja, B Kumar, Daizy Rani, RK.Kohli	1991	Modification of Parthenin	<i>Indian Journal of Chemistry</i>	30B : 849-858	India
153.	R.K. Kohli and R.K. Arora	1988	Extractions of inhibitors from Lantana infested soil	<i>J. of Tree Sciences</i>	7(2) : 89 - 91	India
154.	R.K. Kohli, P Chaudhary A. Kumari	1988	Impact of Eucalyptus on Parthenium - a weed	<i>Indian Journal of Range Management</i>	9 : 63-67	India
155.	R.K. Kohli Kushal Bala	1987	Drifts in protein and RNA as influenced by Rifampicin during seed germination in <i>Pinus kesiya</i> L. Royal ex Gord.	<i>Journal of Tree Sciences</i>	6(2) : 58-61	India

156.	R.K.Kohli, B. Kumari Kushal Bala	1987	Macromolecular drifts associated with the effects of herbicides on the rooting of stem cuttings and rooting potential of <i>Lantana camara</i> L. var. <i>aculeata</i>	<i>Journal of Tree Sciences</i>	6(1) : 13-17	India
157.	A.S. Basra, R.K. Kohli & S. Sawhney	1985	Floral initiation in <i>Celosia cristata</i> L : Photoperiodic requirement and isozymic changes	<i>Annals of Biology</i>	1(2): 220-222	India
158.	Anita Kumari, R.K. Kohli & D.B. Saxena	1985	Allelopathic effects of <i>Parthenium hysterophorus</i> L. leachates and extracts on <i>Brassica campestris</i> L.	<i>Annals of Biology</i>	1(2): 189-196	India
159.	Anita Kumari & R.K. Kohli	1984	Studies on dormancy and macro- molecular drifts during germination in <i>Cassia occidentalis</i> L.seeds	<i>Journal of Tree Sciences</i>	3(1&2): 111-125	India
160.	S. Sawhney, Kamlesh and R.K. Kohli	1981	<i>Callendula officinalis</i> -a long day plant with exceptionally low Photo- periodic requirement for flowering	<i>Indian Journal of Plant Physiology</i>	XXIV(4): 299-303	India
161.	S. Sawhney, R.K. Kohli and N.Sawhney	1980	Photoperiodic studies on <i>Amaranthus</i>	<i>Indian Journal of Plant Physiology</i>	XXIII(2): 103 - 111	India
162.	S. Sawhney N.Sawhney and R.K. Kohli	1977	Synergistic effect of Rifampicin & Indole-3-acetic acid in root initiation on hypocotyl cuttings of <i>Phaseolus mungo</i>	<i>Indian J.Plant Physiology</i>	XX(2), 164-167	India

C: Research Articles published as Book Chapters/Research Articles

	Authors	Year	Title of the Research Paper	Title of Proceedings	Volume / Page	Published from
163.	S. Sawhney, R.K. Kohli & N.Sawhney	1978	GA ₁₃ caused lowering of critical dark period requirement in <i>Amaranthus caudatus</i> L a qualitative Short day plant	Physiology of Sexual Reproduction in Flowering Plants (ed.) C.P.Malik, Kalyani Publ.	166-169 Reprints exhausted	India
164.	F. Seidlova, and R.K. Kohli	1979	Growth of the shoot apex and flowering. The changes in the shoot apex at transition from vegetative to reproductive state	Proceedings of 22nd session of Plant Physiol. CSAV Publ.	355-358	Czecho slovakia
165.	R.K. Kohli and P. Tandon	1982	Biochemical adaptations in <i>Pinus kesiya</i> Royle ex Gord population growing at different altitudes.	Improvement of Forest Biomass Khosla, P.K. (Ed.) ISTS Publ.	379-385	India
166.	R.K. Kohli & S. Sawhney	1983	Involvement of hydrolases during floral transition in <i>Amaranthus</i>	Advances in Botany Verma, S.C. &T.S. Sareen (eds.) Botany, P.U., Chd.	53-55 Reprints unavailable	India
167.	R.K. Arora & R.K. Kohli	1987	Social forestry - a hope for Rural uplift	<i>Social Forestry for rural Development</i> (eds)Khosla, P.K. & Kohli, R.K.	7-13	India
168.	R.K. Kohli	1987	Eucalyptus - an antisocial tree for social forestry	<i>Social Forestry for rural Development</i> (eds)Khosla, P.K. & Kohli, R.K.	235-241	India
169.	R.K. Kohli, Kanwaljeet Kaur Anita Kumari & D.B Sexena	1987	Negative aspects of <i>Eucalyptus</i> farming	<i>Agroforestry for Rural Needs</i> (eds) PK Khosla & Parveen Chaudhary, D.K. Khurana ISTS & IUFRO Publ.	225-233	India
170.	R.K. Kohli	1988	Anti-Phytosociology of <i>Eucalyptus</i>	<i>Problems of Wasteland</i> (ed.)Singh, P.K. Ashish Publ.	274-288	India
171.	R.K. Kohli Anita Kumari	1988	Rooting of Woody stem cuttings	<i>Social Forestry for Rural Development</i> . O.P. Toky (ed.) Sum Inst. Lecture HAU, Hissar.	167-184	India
172.	R.K. Kohli	1989	<i>Eucalyptus</i> - Promotor of desertification in Panjab	Proceedings of seminar on setting up local environmental action groups PSCST Publ.	37-39 Reprint not available	India

173.	R.K Kohli & R.K.Gaba	1989	<i>Eucalyptus</i> -a threat to natural ecosystem and Forest Ecology	<i>Problems of Wasteland</i> (ed.) Singh, P.K. Ashish Publ.	305-312	India
174.	R.K. Kohli, Kanwaljit Kaur & Anita Kumari	1990	Inhibition of Seed Germination of <i>Vigna umbellata</i> in Response to <i>Eucalyptus globulus</i> Labill. Allelochemicals	Proc. International congress of Plant Physiology	2: 1292-1296	India
175.	R.K. Kohli & Daljit Singh	1990	Allelopathic Potential of Eucalypts in India	IUFRO XIX World Congress	2: 10-16	Canada
176.	R.K. Kohli Daljit Singh	1990	Promotion of Environmental degradation by Eucalyptus	<i>The New India Age</i> (eds.) R.K. Sapru, S. Bhardwaj Ashish Pub.	137-142	India
177.	Kushal B.Arora R.K. Kohli Anita Kumari	1991	Studies on metabolic drifts associate with germination and influence of growth regulators and temperature on germination in <i>Pinus kesiya</i> Royle ex Gord.	<i>Himalayan Botanical Researches</i> (eds.) S P. Khullar M.P. Sharma Ashish Publi.	pp 291-301	India
178.	D.B. Saxena, R.K. Kohli, D.Rani & N. Jearth	1992	Exhibition of Phytotoxicity of <i>Acorus calamus</i> of Asarone Natural component	Agroecosystem Allelopathy in India(eds) P.Tauro & S.S. Narwal. ISA Publ	203-204 Reprint exhausted	India
179.	R.K. Kohli, D. Rani	1992	Identification & Bioefficacy of Soil Agroecosystem Chemics of Parthenium	Allelopathy in India(eds)P.Tauro & S.S. Narwal. ISA Publ.	196-198 Reprint exhausted	India
180.	D Singh R.K. Kohli	1992	Reasons for Poor vegetation Under floor of Eucalyptus Agro ecosystem	Allelopathy in India(eds) P.Tauro&S.S. Narwal. ISAPubl.	114-117	India
181.	R.K. Kohli & Pariana	1992	Allelopathic Impact of Sunflower on Crops.	Allelopathy in India(eds) P.Tauro&S.S. Narwal. ISAPubl.	29-30 Reprint exhausted	India
182.	D. Singh, R K Kohli N Jerath	1993	Impact of <i>Eucalyptus</i> and other plantations on phytodiversity in India.	Ecology, Practice Policy of Forestry. Auburn Uni.,Sch Rep.	1: 152-159	Canada
183.	R.K. Kohli	1993	Allelopathic Implication of <i>Eucalyptus</i> in Agro- and agroforestry ecosystems	Allelopathy in India(eds. S.S. Narwal & P. Tauro) Scientific Pub. Jodhpur,	75-91	India
184.	R.K.Kohli, D. Singh & D. Rani	1994	Allelopathic potential of volatile terpenes of <i>Eucalyptus</i>	Vegetation	102-106	Canada
185.	R.K. Kohli, Anita Kumari	1995	The potential of <i>Parthenium</i> allelopathy as a tool for Weed Control	<i>Forestry Improvement</i> (eds. R Bawa, PK Khosla Forest & R K Kohli) B. Singh - M P. Singh Publ	121 -126	India
186.	Puneet K. Kalia, Vandana Aroa R.K. Kohli	1996	Possible Role of Some Agroforestry Tree Foliage in Checking germination & Growth of <i>Ageratum conyzoides</i> weed	Proceedings of Agroforestry&Environment HKT Publ.	328-330	India
187.	Rajesh K. Jalota, R.K. Kohli	1996	Status of Floor Vegetation Under Exotic and Indigenous Tree Plantations in Semi-Arid Zone of North India	Proceedings of Agroforestry&Environment HKT Publ.	291-296	India
188.	H.P. Singh , R.K.Kohli, Daizy Batish	1996	Comparison of the Performance of wheat sheltered by exotic poplar (<i>Populus deltoides</i>) and Indigenous Shisham (<i>Dalbergia sissoo</i>)	Proceedings of Agroforestry&Environment HKT Publ.	179-185	India
189.	Daizy Batish, R.K. Kohli, H.P. Singh	1996	An Inventory of Negative Tree-Crop Interactions in Agro-Ecosystems	Proceedings of Agroforestry&Environment HKT Publ.	191-196	India
190.	R.K. Kohli, Daizy Batish, H.P. Singh	1996	Performance of Some Winter Season Crops under <i>Populus deltoides</i> in a Simultaneous Agroforestry System	Proceedings of Agroforestry&Environment HKT Publ.	187-190	India
191.	R.K. Kohli	1996	Need and Planning for Eco friendly trees for Urban beautification (Keynote lecture)	Avenue Trees in Cities A Chandigarh Experience ISTS & Nat. Hort. Board Publ.	39-49	India

192.	Pariana Tung, Ashima, R.K.Kohli	1996	Allelopathic impact of sunflower (<i>Helianthus annuus</i>) on <i>Phaseolus aureus</i> Roxb.	Proceedings Nat Seminar "Some Facets of Biodiversity" SES-PSCST Publ.	219-227	India
193.	R.K. Kohli A.K.Aggrwal	1996	<i>Parthenium</i> caused threat to Plant Diversity – A case study of Toxicity in Brassica.	Proceedings Nat Seminar "Some Facets of Biodiversity" SES-PSCST Publ.	157-163	India
194.	Daizy Rani, H.P. Singh R.K. Kohli	1996	Status of Floristic India Biodiversity in India and some suggestions for its Conservation	Proceedings Nat Seminar "Some Facets of Biodiversity" SES-PSCST Publ.	37 - 51	India
195.	R.K. Kohli, HPSingh, DR. Bati sh & A.Sharma	1996	Panorama of Trees in India	<i>Eco friendly trees for Urban beautification</i> ISTS & Nat. Hort. Board Publ	1-69	India
196.	R.K. Kohli & S. Kumar	1997	Control of <i>Parthenium hysterophorus</i> L. through Allelochemicals from a few multipurpose exotic trees	Ist Int. Conf. on Parthenium Management	37-39 Reprint exhausted	India
197.	R.K. Kohli, Daizy R. Batish & H.P. Singh	1997	Management of <i>Parthenium hysterophorus</i> through an integrated approach	Ist Int. Conf. on Parthenium Management	In Press Reprint not available	India
198.	R.K. Kohli, P.K. Kalia, D.B. Saxena	1997	Phytotoxic effects of parthenin, an allelochemic from <i>Parthenium hysterophorus</i> L. on <i>Ageratum conyzoides</i> - an obnoxious weed	Ist Int. Conf. on Parthenium Management	131-134 Reprint not available	India
199.	R. K. Kohli, Rajesh K. Jalota	1998	Comparison of Wood Production and other Environmental Indicators between Mix-cultures and Monocultures of Indigenous and exotic Forest Models.	In the proceedings of Forsea Mizaki Inter. Sym. Global Concerns for Forest Resource Utilization-Sustainable Use and Management (Eds. Atusushi Yoshimoto & Kiyoshi Yukutake)	558-565	Japan
200.	R. K Kohli, K. K. Sangha R.K. Jalota B.S. Ghumann	1998	Economic evaluation of wood and floor phytodiversity in <i>Dalbergia sissoo</i> and <i>Eucalyptus tereticornis</i> monoculture plantations in North India	Proc. Conference on Forest Global Product Utilization at Miyazaki Japan	815-822	Japan
201.	D.R. Batish, H.P. Singh R.K. Kohli	1998	Allelopathic interference of <i>Parthenium hysterophorus</i> in natural forests and plantations in India.	Proc. Inter-Div. S. Forest Seoul conf. Ecosystems. & Land use in Mountain areas	238-242	S. Korea
202.	R.K.Kohli, P.K. Kalia	1998	Threat of <i>Ageratum conyzoides</i> to Forest Ecology & landscape in Shiwalik ranges lower Himalaya	Proc. Inter-Div. S Seoul conf. on Forest Ecosystems. & land use in Mountain areas	108-114	S. Korea
203.	R.K. Kohli	1998	Comparative vegetation analysis under multipurpose plantations	Environment Forestry Sciences	54: 285-291	Netherlands
204.	R.K. Kohli	1998	Allelopathic interactions in forestry systems	Environment Forestry Sciences	54: 269-283	Netherlands
205.	R.K. Kohli, DR. Batish, HP. Singh	2000	Environmental Consequences of Monoculture Plantations	Environmental Hazards (Ed.) Jamia Hamdard Univ., Delhi	113-117	India
206.	R.K Kohli, H. P. Singh D.R. Batish	2000	An inventory of multipurpose Avenue trees of urban Chandigarh, India (Lead invited Paper)	Proc. Integrated Tools for Natural Resources Inventories in the 21 st Century	697-704	USA
207.	K. K. Sangha R. K. Jalota R. K. Kohli	2001	Ecological- Economic Assessment of Plant diversity in monocultures of <i>Eucalyptus tereticornis</i> and <i>Dalbergia sissoo</i> Plantations.	Inter Sym on Tropical Forestry Research: Challenges in The New Millennium at KFRI Peechi, Trichur,	pp 120-126 reprint not available	India
208.	H.P. Singh Daizy R. Batish R.K. Kohli	2001	Comparative phytotoxicity of cineole and citronellol against two weedy species	Proc. Asia-Pacific Weed Science Society	Vol.18: Published	China
209.	D R. Batish H.P. Singh R.K. Kohli	2001	Allelopathy as a tool for sustainable weed management	Proc. Asia-Pacific Weed science Society	Vol. 18: Published	China

210.	DR. Batish, H.P.Singh, & R.K. Kohli	2002	Potential utilization of allelochemicals for sustainable weed management	<i>2nd International Conference on Sustainable Agriculture</i>		India
211.	H.P.Singh, D.R. Batish & R.K. Kohli	2002	Utilization of some volatile and non-volatile allelochemicals for weed management	<i>Proc. 2nd International Conf. on Alternative Means of Fight Against Harmful Organisms with Plants.</i>	2: 677-683 Moyens Alternatifs	France
212.	H.P.Singh, D.R.Batish, S.Kaur & R.K.Kohli	2003	Phytotoxic Interference of <i>Ageratum conyzoides</i> : Role of Residues	Proceedings Asia Pacific Weed Science Society	19(II) : 739-740	Philippines
213.	D. R. Batish, J.K.Pandher, H. P.Singh R.K.Kohli	2003	Allelopathic Potential of roots of <i>Parthenium hysterophorus</i>	Proceedings Asia Pacific Weed Science Society conference	19(II) : 726-731	Philippines
214.	DR.Batish, HPSingh, JK.Pandher R.K. Kohli V. Arora	2004	Assessment of allelopathic effects of <i>Parthenium hysterophorus</i> residues	<i>Proc. 14th Australian Weeds Conference. Weed Science Soc. of New SouthWales, Inc., Wagga Wagga.</i>	pp.505-508. Ed. B.M Sindel & S.B. Johnson	Australia
215.	H.P.Singh, DRBatish,SKaur, R.K. Kohli and K.S. Dogra	2004	Potential utilization of some monoterpenes as bioherbicides against barnyard grass	<i>Proc. AFPP 19th Columa Conf. International Meet on Weed Control</i>	Columa 19: 8 pages	France
216.	D.R. Batish, H.P. Singh, R.K. Kohli	2004	Allelopathic interactions among crops and weeds	<i>Proc. 12th International Conf. on Weed Biology, Jul-Aug2004</i>	<i>Biologie des Mauvaises Herbes</i> 12 :88-96	France
217.	H.P. Singh, D.R. Batish S. Kaur, R.K. Kohli K.S. Dogra	2004	Allelopathic interference of <i>Ageratum conyzoides</i> against some crop plants	<i>Proc. 14th Australian Weeds Conference. Weed Science Soc. of New SouthWales, Inc., Wagga Wagga</i>	pp. 558-561 Ed. B.M Sindel & S.B Johnson	Australia
218.	K.S. Dogra, R.K. Kohli , D.BatishHPSingh	2004	Status of Exotic Invasive Plants in Kangra District of Himachal Pradesh (India)	Bull. Environment Science	Vol-I (II) 13-16	India
219.	S. Vaid, DR. Batish, H.P.Singh R.K. Kohli,	2005	Allelopathy and Weed Management	<i>Applied Botany</i> Aavishkar Publishers, Distributors Ed. P.C. Trivedi,.	pp. 27-43.	India
220.	D.R. Batish, H.P.Singh R.K. Kohli,	2005	Allelopathy and its role in Sustainable Agriculture	<i>Perspectives in Plant Ecology and Environmental Biology</i> Scientific Publishers	pp. 261-269..	India
221.	R.K. Kohli, D.R. Batish, and H.P.Singh	2005	Need to establish Long-term Ecological Research Network in India	<i>Bull. Natl. Inst. Ecol</i>	15: 271-276.	India
222.	D.R. Batish, H.P. Singh & R.K. Kohli ,	2005	Allelopathy and its role in Sustainable Agriculture	<i>Perspectives in Plant Ecology and Environmental Biology.</i> Scientific Publishers.	261-269.	India
223.	S.Vaid, DR.Batish, HP Singh & R.K.Kohli	2005	Allelopathy and Weed Management	<i>Applied Botany</i> Ed. P.C. Trivedi, Aavishkar Publishers, Distributors.	27-43.	India
224.	R.K. Kohli , D.R. Batish & H.P. Singh	2006	Role of allelopathy in Sustainable weed management	<i>Biotechnology and Biology of Plants</i> Ed. P.C. Trivedi Aavishkar Publishers, Distributors	pp. 315-323.	India
225.	R.K. Kohli , H.P. Singh, & D.R. Batish	2006	Allelopathic Interactions in Agroecosystems	<i>Allelopathy- A Physiological Process with Ecological Implications</i> Ed. M.J. Reigosa, N. Pedrol	pp 465-494. Springer Publishers	Netherlands

226.	DR. Batish,HP. Singh, R.K. Kohli , & G.P. Dawra	2006	Potential of Allelopathy and allelochemicals for weed management	<i>Handbook of Sustainable Weed Management</i>	pp. 220-267, Haworth Press,	USA
227.	R.K. Kohli	2006	Urban Forest – Chandigarh Model	Proceedings of Workshop on Urban Forestry – the lifeline of cities in 21 st Century, May 30-31, 2006, Gandhi Nagar, Gujarat	26-27	India
228.	RK Kohli DR.Batish, & HP Singh,	2006	Weeds and their management – Rationale and Approaches	<i>Handbook of Sustainable Weed Management</i> Haworth Press Inc. NY, USA	1-19	USA
229.	DR.Batish HP Singh, RK Kohli & GP Dawara	2006	Potential of Allelopathy and allelochemicals for weed management	<i>Handbook of Sustainable Weed Management</i> Haworth Press Inc. NY, USA	220-267	USA
230.	R.K.Kohli , H.P.Singh D.R. Batish & S.Jose	2007	Ecological Interactions in Agroforestry: An Overview	<i>In Ecological Basis of Agroforestry</i> Eds. Batish <i>etal.</i> CRC Press	1-14	USA
231.	D.R. Batish, H. P. Singh & R. K. Kohli	2007	Allelopathic Tree-Crop Interactions under Agroforestry Systems	<i>In Ecological Basis of Agroforestry</i> Eds. Batish <i>etal.</i> CRC Press	37-50	USA
232.	R.K. Kohli , H.P. Singh D.R. Batish S. Jose	2008	Ecological Interactions in Agroforestry: An Overview	Ecological Basis of Agroforestry. Eds DR Batish, R.K .Kohli, S.Jose, H.P.al Singh. CRC Press, Taylor and Francis Pub. USA Catalog no. 43277, c. 400 pp., ISBN: 978-1-4200-4327-2008	3-14	USA
233.	D.R. Batish H.P. Singh R.K. Kohli	2008	Ecological Interactions in Agroforestry: An Overview	Ecological Basis of Agroforestry. Eds DR Batish, R.K .Kohli, S.Jose, H.P.al Singh. CRC Press, Taylor and Francis Pub. USA Catalog no. 43277, c. 400 pp., ISBN: 978-1-4200-4327-2008	37-50	USA
234.	S. Jose, R.K. Kohli , H.P. Singh, D.R. Batish E.C. Pieteron	2009	Invasive Plants: A Threat to the Integrity and Sustainability of Forest Ecosystems	In: Invasive Plants and Forest Ecosystems. Eds. R.K. Kohli, S.Jose, H.P Singh, D.R. Batish CRC Press, Taylor and Francis Pub. USA Catalog no. 43374, 456 pp., ISBN: 978-1-4200-4337-2, ISBN 10: 1420043374; 2009	3-10	USA
235.	R.K. Kohli , H.P. Singh, D.R. Batish K.S. Dogra	2009	Ecological Status of some Invasive Plants of Shiwalik Himalayas in Northwestern India	In: Invasive Plants and Forest Ecosystems. Eds. R.K. Kohli, S.Jose, H.P Singh, D.R. Batish CRC Press, Taylor and Francis Pub. USA Catalog no. 43374, 456 pp., ISBN: 978-1-4200-4337-2, ISBN 10: 1420043374; 2009	143-155	USA
236.	DR Batish N. Chauhan RK Kohli	2010	β -Pinene ameliorates As-induced oxidative damage in rice roots	<i>Arsenic in Geosphere and Human Diseases: 3rd Intern Cong: Arsenic in the Environment</i>	245-246	
237.	R. K. Kohli , D. R. Batish J.S. Singh, H.P. Singh J.R. Bhatt	2012	Plant Invasion in India: An Overview	In: Invasive Alien Plants- An Ecological Appraisal for the Indian Sub-continent. Eds. J.R.Bhatt, J.S.Singh, S.P.Singh, R.S.Tripathi and R.K.Kohli CAB International, UK. ; 2012; ISBN-13: 978 7 84593 907 6	1-9	UK
238.	D. R. Batish R. K. Kohli , H.P. Singh G. Kaur	2012	Biology, Ecology and Spread of the Invasive Weed <i>Parthenium hysterophorus</i> in India	In: Invasive Alien Plants- An Ecological Appraisal for the Indian Sub-continent. Eds. J.R.Bhatt, J.S.Singh, S.P.Singh, R.S.Tripathi and R.K.Kohli CAB International, UK. ; 2012; ISBN-13: 978 7 84593 907 6	10-18	UK
239.	S. Kaur, D. R. Batish R. K. Kohli , H.P. Singh	2012	<i>Ageratum conyzoides</i> : as Alien Invasive Weed in India	In: Invasive Alien Plants- An Ecological Appraisal for the Indian Sub-continent. Eds. J.R.Bhatt, J.S.Singh, S.P.Singh, R.S.Tripathi and R.K.Kohli	57-76	UK

				CAB International, UK. ; 2012; ISBN-13: 978 7 84593 907 6		
240.	R.K. Kohli, VP Sharma and H.P. Sing		Cell-Telephony and Ecological Concerns	EnviroNews 3/2012	2-3	India

(D) Major Research Projects of the government (Scientific Reports Submitted)

S.N	Title	Agency	Period	Grant/ Amount Mobilized	Whether Policy Documents/Patent as outcome
1-	Allelopathic Properties of Eucalyptus	MoEF	25-10-1986 to 31-3-1990	12 lacs approx	Technical Report accepted
2-	Allelopathy in <i>Lantana camara</i>	UGC	6-4-1987 to 30-8-1990		Technical Report accepted
3-	Control of Lantana – a weed growing in Chandigarh	UT-DST	30-1-1987 to 31-12-1990	1,25,400	Technical Report accepted
4-	Allelopathic Impact of Sunflower on Punjab Crops	PSCST	1-6-1989 to 30-5-1992	8,30,620	Technical Report accepted
5-	Comparison of Eco-physiologic function of Monoculture Plantations of Exotic (Eucalyptus) to Indigenous Tree Species and Forest Ecosystem of Haryana State	HSCST	14-11-1992 to 31-3-1996	5 lacs approx	Technical Report accepted
6-	Ageratum caused threat to Plant Diversity	MoEF	6-6-1994 to 31-12-1997	7,57,818	Technical Report accepted
7-	Eco development Programme	MoEF		26,500	completed
8-	Energy Plantation for sector 25	Min of Energy		3 lacs approx	Transferred to PU Botany Department
9-	Ecological Status based on the Survey of Medicinal and Aromatic Plants of Haryana	HSCST	Sept 2001- July 2004	4,99,100	Technical Report along with district-wise booklets accepted
10-	Management of Congress-grass through Vermicomposting	DST jointly with PSCST	8-4-2002 to 8-4-2004	5,88,806/-	Technical Report accepted 2 patents awarded
11-	Impact of invasive species on the structure and composition of Natural vegetation of H. P.	MoEF, New Delhi	1-8-2002 to 31-7-2004	17 lacs approx	Technical Report accepted
12-	Exploring the Herbicidal Potential of Volatile Oils from <i>Tagetes minuta</i>	UGC	2004-07	4 lac approx	Technical Report accepted
13-	“Ecological Status of Weeds of Chandigarh and Surrounding Areas with Special Reference to the Invasive weeds.”	UGC	1-1- 2005 to 31-12- 2007	7,43,600	Technical Report accepted
14-	Solid Waste Management under Innovative Schemes in Emerging areas in Science	UGC	01-04-2005 to 31-03-2010	56 lacs approx	Continuing with University
15-	Ecological Status of Vegetation of Nepli and Kansal Forests of Chandigarh	UT – DST	1-4-2007 to 3-6-2008	2,40,000	Technical Report accepted
16-	Impact of Cell-phone technology some plants and animals	MoEF, New Delhi	19-11-2010 to 18-11- 2013	14,08,019	Technical Report accepted
17-	Census and Current Status of Avenue Trees of Chandigarh	UT-Envi	1-4-2012-31-03-2013	2,53,000	Technical Report accepted

Research Papers that emerged as Top 20 Most Popular articles

- Paper entitled “*Phytotoxic effect of Parthenium hysterophorus residues on three Brassica species*” ranked as one of the TOP 20 Most Popular Articles in the journal *Weed Biology and Management* (Blackwell Science) 5(3) 105-109, 2005 as on 16/2/2007.
- Paper entitled “*Herbicidal activity of volatile oils from Eucalyptus citriodora against Parthenium hysterophorus*” ranked among TOP 20 Most Popular Articles published in *Annals of Applied Biology* (Blackwell Science) 146(1) 89-94, 2005. as on 16/2/2007
- Paper entitled “*Root mediated allelopathic interference of nettle-leaved goosefoot (Chenopodium murale) on wheat (Triticum aestivum)*” ranked among TOP 20 Most Popular Articles published in *Journal of Agronomy and Crop Science* (Blackwell Science) 193 (1) 37-44, 2007. as on 2/9/2007

Research Papers that emerged as Top 20 Most Cited Articles

- Paper entitled “*Phytotoxic effect of Parthenium hysterophorus residues on three Brassica species*” ranked as one of the TOP 20 Most Cited Articles in the journal *Weed Biology and Management* (Blackwell Science) 5(3) 105-109, 2005 as on 1/9/2007.
- Paper entitled “*Herbicidal activity of volatile oils from Eucalyptus citriodora against Parthenium hysterophorus*” ranked among TOP 20 Most Cited articles published in *Annals of Applied Biology* (Blackwell Science).6. Peer recognition 146(1) 89-94, 2005 as on 16/2/2007

Research Papers that emerged as Top 25 hottest articles

- Paper entitled “*Phytotoxicity of lemon-scented eucalypt oil and its potential use as a bioherbicide*” in the journal *Crop Protection* (vol. 23, 1209-1214), 2004 ranked among TOP 25 Hottest Articles by Science Direct (Elsevier Ltd.) as on 11/2/2007
- Paper entitled “Nitric oxide (as Sodium nitroprusside) supplementation ameliorates Cd toxicity in hydroponically grown wheat roots” in the journal *Environmental and Experimental Botany* (vol. 63, 158-167) ranked among TOP 25 Hottest Articles (January – March 2008) by Science Direct (Elsevier Ltd.).

Research Paper Highly Cited for 3 years Was honoured by Elsevier in Seoul in 2010

- Paper entitled “**Eucalyptus essential oil as a natural pesticide**” *Forest Ecology and Management*. Vol 256 (12) 2008 2166-2174 made us to be honoured as the highly cited Author between 2007-2010.

List of Ph.D. Theses supervised by Professor R. K. Kohli (as major guide)

S#	Name	Year	Title of the Thesis
1.	Kushal Bala	1987	Physiological and biochemical aspects of teletoxicity and eradication of <i>Lantana camara</i>
2.	Anita Kumari	1988	Physiological and biochemical aspects of allelopathy of <i>Parthenium hysterophorus</i> L. and role of herbicide towards its eradication
3.	Daizy Rani	1990	Phytotoxic properties of <i>Parthenium hysterophorus</i> L.
4.	Rajinder Kumar	1991	Studies on Autotoxicity in <i>Lantana camara</i> L.
5.	Daljit Singh	1991	Phytotoxic properties of <i>Eucalyptus</i> with special reference to the role of its volatile components.
6.	*Krishan Singh	1991	Weed Management through Allelopathy
7.	Ravinder Sachdeva	1992	Allelopathic influence of <i>Lantana camara</i> L. on herbaceous plants.
8.	Pariana	1992	Allelopathic properties of Sunflower.
9.	Harminder Pal Singh	1995	Phytotoxic effect of Populus in Natural and Agroecosystems.
10.	Rajesh Jalota	1997	Comparison of Eco-Physiological Functions of Monoculture Plantations of Exotic (<i>Eucalyptus</i> L. Herit.) to Indigenous tree species and Forest Ecosystems in Semi-Arid Zone.
11.	Puneet Kalia	1998	<i>Ageratum conyzoides</i> caused threat to Plant Diversity
12.	Vandana Arora	1999	Comparative Assessment of eco-physiological functions between <i>Ageratum conyzoides</i> and <i>Parthenium hysterophorus</i> L.
13.	**Kamal Sangha	1999	Bio-Economics of <i>Eucalyptus tereticornis</i> (an exotic) and <i>Dalbergia sissoo</i> (native tree) Plantations
14.	Sunit Kumar Gupta	2000	Phytotoxic interaction among Exotic and Indigenous Multipurpose Trees and Crops
16.	***Neelam Khan	2002	Metabolic drifts during seed germination and subsequent growth in <i>Pisum sativum</i> L and <i>Cajanus cajan</i> (L.) Huth
15	Aruna Saini	2003	Eco-Physiological Studies on the Dominant Trees of Panjab University Campus
17	Ajay Sehgal	2003	Impact of Engineering Interventions on Soil Management taking Vegetational Analysis as the Basic Indicator
18.	Hisam Ramazani (Iran)	2004	Fungicidal activity of Volatile oils from <i>Eucalyptus citriodora</i> Hook
19.	Jasvir Kaur Pandher	2004	Management of <i>Parthenium hysterophorus</i> residues and their impact on its interference potential
20	Shalinder Kaur	2005	Phytotoxic Interference of <i>Ageratum conyzoides</i> with some crop plants
21	Supriya Vaid	2005	Weed suppressing potential of some volatile terpenes
22.	Nidhi Setia,	2006	Herbicidal potential of volatile oils from <i>Eucalyptus citriodora</i> Hook.
23.	Surender Yadav	2006	Ecological Status of Medicinal and Aromatic Plants of Haryana State
24.	Kavita	2006	Nature and Dynamics of Interference Potential of <i>Lantana camara</i> L. Var. <i>Aculeata</i> Moldenke
25.	K. Lavanya	2007	Allelopathic Interference of <i>Chenopodium murale</i> L with some Crop Plants
26.	Kuldip S. Dogra	2007	Impact of some invasive species on the structure and composition of natural vegetation of Himachal Pradesh"
27	Komal Arora	2008	Allelopathic Potential of Volatile Essential oil from <i>Tagetis minuta</i> L
28.	Sunil Mittal	2009	Phytotoxic Properties of Essential oil from <i>Artemisia scoparia</i> Waldst.& Kit. and Its Possible Use as Bioherbicide
29.	Parveen Dobhal	2009	Ecological Audit on of invasive weed <i>Lantana camara</i> L. along an altitudinal gradient in Pauri Garhwal (Uttanchal)
30.	Manpreet Kaur	2009	Allelopathic Properties of <i>Anisomemes indica</i> (L) O. Kuntze Against some weeds
31.	V.P.Sharma	2010	Impact of Cell-phone Radiation on Early Growth and Development in Biological systems
32.	Mukta Chum	2011	Phytotoxic effect of 2-Benzoxazinone and its Structurally Modified Derivatives
33.	Gurpreet Kaur	2011	Physiological and Biochemical Aspects of Lead Toxicity in Higher Plants
34.	Nadia Chowhan	2012	Phytotoxicity of β -Pinene and Some Insights into Its Biochemical Mode of Action
35.	Esmael Hadidi (Iran)	2013	Determination of Phytotoxic Potential of <i>Chenopodium ambrosioides</i> L. and its Possible Use in Sustainable Weed Management
36.	Savita Kumari	2013	An Ecological and Ethnobotanical Survey of Medicinal and Aromatic Plants of Trikuta Hills (District Reasi, Jammu & Kashmir) and Evaluation of Their Free Radical Scavenging Properties
37	Amanpreet Kaur	2014	Genetically modified Crops: Ecological and Legal Aspects of Indian Policy with Global Overview
38.	Asha Kumari	2014	Biochemical and Physiological Aspects of Nickel-Induced Toxicity in Higher Plants.
39.	Priyanka Mahajan	2011	Investigating the role of β -pinene In alleviating the Phytotoxic effect of Hexavalent Chromium [Cr(VI) (Thesis submitted)
<u>Research Fellows currently pursuing their Ph.D. programme</u>			
40.	Sartaj Singh	2011	Chemical Characterization and Antioxidant Activity of Some of the Widely Occurring Members of Family Lamiaceae in Morni Hills (Panchkula)
41.	Nitina Ahuja	2012	An assessment of the herbicidal potential of Eugenol and some insights into its mode of action
42.	Nidhi Sharma	2013	Determination of Physiological and Biochemical Mode of action of L-DOPA

		(L-3,4-dihydroxyphenylalanine) a Natural Compound of Herbicidal Interest.
43. Neelkant Sharma	2011	Exploring the Allelopathic Properties of <i>Pinus roxburghii</i> (Sargent)
44. Anjana Negi	2011	Exploring the Role of Plants Functional Traits and Allelopathy in Imparting Invasive Potential to <i>Broussonatia papyrifera</i> (L) Vent.
45. Surubhi Rana	2012	investigating the ameliorating potential of two oxygenated monoterpenes against the phytotoxic effects of divalent cadmium CD (II)
46. Himangna Gupta	2012	Gaps and linkages between climate change and biodiversity conventions: Science Politics and Policy

* as a guide appointed by Meerut University, Meerut

** Thesis submitted but viva-voce yet to be held; delay is because the candidate has gone abroad

***as a guide appointed by Punjabi University, Patiala

- Dr Agena A. Tanga, College Dean, Hawassa University from Ethiopia under prestigious **CV Raman International Fellowship Programme** of Govt. of India is working under the guidance
- Under the **INSA-IAS-NASI** joint programme of Govt. of India, 4 young scientists got research training in my lab.

List of M. Phil Students Guided by Dr. R.K. Kohli

Sr#	Name	Year	Title of Thesis
1.	Kushal Bala	1982	Physiological and biochemical studies on seed dormancy and germination
2.	Sunil K. Aggarwal	1982	Mechanism of Herbicidal action -Biochemical consideration
3.	Anita Kumari	1982	Physiological and biochemical studies on seed dormancy and germination
4.	Meenu Verma	1983	Biochemistry of herbicidal action in <i>Amaranthus spinosus</i> L.
5.	Bimlendra Kumari	1984	Physiological and biochemical effects of herbicides on rooting of stem cuttings of <i>Lantana camara</i> L.
6.	Nirmal K Spall K	1984	Physiological and biochemical studies on the effect of herbicides on floral initiation in <i>Lantana camara</i> L. var. <i>Hybrida</i> Moldenke.
7.	Indu Mahajan	1985	Allelopathic potential of <i>Parthenium hysterophorus</i> L. on the physiology and biochemistry of <i>Vigna mungo</i> seed germinability.
8.	Jasvir Kaur	1985	Allelopathic potential of <i>Lantana camara</i> L. var. <i>aculeata</i> moldenke on the physiology and biochemistry of <i>Vigna Mungo</i> seed germinability
9.	Kamaljit Kaur	1986	Allelopathic effect of <i>Eucalyptus globulus</i> Labill extracts on seed germination.
10.	Parveen Chaudhary	1986	Allelopathic potential of <i>Eucalyptus globules</i> Labill leaves.
11.	Renu	1987	Studies on the allelopathic properties of essential oils of <i>Eucalyptus tereticornis</i> Sm.
12.	Vanita	1987	Studies on the allelopathic properties of <i>Eucalyptus tereticornis</i> Sm. extracts on seed germination.
13.	Daljit Singh	1988	Role of volatile components of <i>Eucalyptus tereticornis</i> Sm. leaves toward allelopathic property of the tree
14.	Seema Bedi	1989	Comparison of allelopathic potential of the root and shoot system of <i>Eucalyptus tereticornis</i> Sm.
15.	Narinder	1989	Studies on Allelopathic potential of <i>Helianthus annuus</i> L.
16.	Ashima	1990	Allelopathic impact of sunflower on some crops.
17.	Anupama Malhan	1990	Allelopathic potential of sunflower on <i>Parthenium hysterophorus</i> L
18.	Rubinder Sandhu	1991	Allelopathic effects of sunflower on regional weeds.
19.	Rishu	1992	Allelopathic effect of sunflower on <i>Amaranthus</i> .
20.	Roma Batra	1995	Studies on Biochemical Interactions among plants.
21.	Monika Gupta	1996	Impact of Volatile and non-volatile allelochemicals on <i>Ageratum conyzoides</i> L.
22.	Parnesh Pal Kaur	1998	Phytotoxic Properties of <i>Artemisia scoparia</i>
23.	Puneet Kaur Brar	1999	Bioefficacy of Some Natural Plant Products
24.	Jasvir Kaur	2000	Allelopathic Interference of <i>Pinus roxburghii</i> SARG
25.	Anjana Kharwal	2002	Study of Phenology and Autecology of <i>Bidens pilosa</i> L.
26.	Mr Anurag	2006	Ecological Status of Weeds of Panjab University Campus, Sector 14, Chandigarh
27.	Ms. Mansi	2008	Value Addition to <i>Parthenium hysterophorus</i> through Vermitechnology
28.	Ms Nitina Ahuja	2009	Evaluation of Biochemical Mode of Action of Eugenol caused Root Inhibitory Effect
29.	Ms Priyanka Monga	2012	Phytotoxic Effects Of Essential Oil of <i>Pinus roxburghii</i> (Sargent).