Publications in international and national journals (peer reviewed)


Poster presentations

- Akhtar MS, Mathimaran N, Boller T, Wiemken A. Strawberry ecotypes respond differentially to three arbuscular mycorrhizal fungal strains when inoculated singly or in combinations of two or three. Symposium of the Zurich-Basel Plant Science Center, November 13, 2009.
- Walder F., Courty PE, Natarajan M., Boller T. and Wiemken A. Sorghum and Linum joined by a common hyphal network of arbuscular mycorrhizal fungi: Differential carbon investments and nutrient benefits. 9th International Mycological Congress. August 1-6, 2010. Edinburgh, UK.

Oral presentations

Other (semester thesis, master and diploma thesis, PhD thesis, etc.)

BIOFERTILIZER NETWORK (GPUAT)

Publications in international and national journals (peer reviewed)


**Other (semester thesis, master and diploma thesis, PhD thesis, etc.)**

- Rashmi Mishra, 2010. Efficiency and sustainability of bioinoculants in rice-wheat crop rotation. (Master’s Thesis)
- Sakuli Kashyap, 2010. Standardization and evaluation of formulations of plant growth promoting rhizobacteria for their shelf life. (Master’s Thesis)

**BIOFERTILIZER NETWORK (FiBL)**

**Publications in international and national journals (peer reviewed)**


**Poster Presentations**


**Oral presentations**

in India. 8th Symposium of the International Society of Root Research (ISRR), Dundee, Scotland, June 26th-29th 2012.

**Other (semester thesis, master and diploma thesis, PhD thesis, etc.)**
- Sebastian Kaufmann (BSc student, ETHZ) submitted a report on his practical training within ISCB as a training validation for ETHZ (February 2011).

**BIOFERTILIZER NETWORK (IITD)**

**Publications in international and national journals (peer reviewed)**
- Varun Gupta, Krishna Saharan, Lalit Kumar, Roohi Gupta, Vikram Sahai and Aditya Mittal (2008). “Spectrophotometric Fe³⁺ Biosensor from Pseudomonas fluorescens Culture” Biotechnology & Bioengineering. 100(2); 284-296.

**Other (semester thesis, master and diploma thesis, PhD thesis, etc.)**
- Krishna Saharan “Studies on Production and Formulation of Fluorescent pseudo-monad R62” under the supervision of Dr. Anil Prakash (of Barkatullah University, Bhopal) and Dr. Vikram Sahai. Ph.D. Thesis
- M.V.R.K. Sarma “Studies on Growth, Metabolites Synthesis and Agronomical Applications of Fluorescent Pseudomonad R81” under the supervision of Dr. Vikram Sahai and Prof. V. S. Bisaria. Ph.D.

BIOFERTILIZER NETWORK (TERI)

Publications in international and national journals (peer reviewed)

Poster presentations

Oral presentations

BIOPESTICIDES (P1)

Publications in National Journals

Book chapters and monographs
• Book chapter for the ISCB symposium ‘A Decade of Experience in R&D and Technology Management in Indo-Swiss collaboration In Biotechnology’ held at Symposium Hall, NASC Complex New Delhi, India on March 10-11, 2011.
• Kapoor, M., Kulkarni, S., Chavan, S., Nimkar, P., and Deshpande, M.V. Biocon trol of Helicoverpa armigera (Lepidoptera: Noctuidae) in pulses: Comparison of Metarhizium isolates to identify strains for commercialization. Manuscript communicated for Proceedings of 5th International Conferenece on Biopesticides: Stakeholders’ Perspectives held at New Delhi, 2009.
Poster Presentations

- M. Kapoor, V. Ghormade, S. Bhatt, A. Sen and M. V. Deshpande. ‘Host-pathogen interaction in M. anisopliae and its insect host H. armigera’. Received The Best Poster Award at the 50th Annual Conference of Association of Microbiologists of India held at NCL, Pune from December 15-18, 2009.
- Posters presentation at "CSIR - Exhibition on NCL Diamond Jubilee Commemoration" held at NCL Innovation Park on April 2nd and 3rd, 2010. The posters were presented in English as well as in Marathi (local language) explaining the importance of Microbial pesticides as promising eco-friendly alternative to chemicals. Approximately 1200 people visited the exhibition including students, research fellows, industrialists and farmers.

Oral presentations:

- Invited talk by Dr. M. V. Deshpande at ISCB International symposium on ‘A Decade of Experience in R&D and Technology Management in Indo-Swiss collaboration In Biotechnology’ held at Symposium Hall, NASC Complex New Delhi, India on March 10-11, 2011.

BIOPESTICIDES (P6)

Publications in international and national journals (peer reviewed)


Book chapters and monographs


Poster presentations:

- B. Geueke, K. Bala, T. Poiger, D. Rentsch, M. E. Miska, C. Holliger, R. Lal, H.-P. E. Kohler; The Little Brothers of Lindane: Purification and Enzymatic Degradation of ε-HCH and Heptachlorocyclohexane; FEMS 2011 Zürich, Switzerland
• B. Geueke, K. Bala, T. Poiger, D. Rentsch, M. E. Miska, C. Holliger, R. Lal, H.-P. E. Kohler; Enzyme-catalyzed Degradation of Neglected Hexachlorocyclohexane Iso-mer and Congeners; ICCE 2011 Zürich, Switzerland

• M.E. Miska, S. Jit, T. Poiger, H.-P. E. Kohler, B. Geueke; Degradation of Hexchlorocyclohexanes by the Dehydrogenases LinA1 and LinA2 from the Soil Bacterium Sphingobium indicum B90A; Young Environmental Scientists Meeting 2011, RWTH Aachen, Germany

• H.P.E. Kohler, S. Jit, K. Bala, V. Raina, R. Lal, H.R. Buser, T. Poiger, D. Rentsch, C. Holliger, B. Geueke; Microbial transformation of hexachlorocyclohexane pesti-cides - identifying isomeric culprits; TransCon 2010 Ascona, Switzerland

• Lal R. Microbial Degradation of Hexachlorocyclohexane (HCH) and Prospects for Bioremediation. FEMS 3rd congress of European Microbiologists: Microbes and Man-Interdependence and Future Challenges, June 28 to July 2, 2009 at Gothenburg, Sweden.

• Simran Jit, Pushp Lata, Neha Niharika, Jasvinder Kaur, Birgit Geueke, Kirti Kumari, Kiran Bala, Nidhi Garg, Roland Weber, Thomas Poiger, Daniel Rentsch, Petra Kunz, Hans-Peter Kohler, Christof Holliger & Rup Lal. Assessment of HCH (hexa-chlorocyclohexane) & its metabolites contamination from the last lindane production plant operating in India. ISCB International Conference entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, February 9 to 11, 2011 at University of Delhi, Delhi


• Shailly Anand, Pushp Lata, Ankita Dua, Mansi Verma, Jaspreet Kaur and Rup Lal. A Deeper Insight of Sphingobium indicum B90A, a Hexachlorocyclohexane (HCH) Degrading Bacterium In Light of its Genome Sequence!! . ISCB International Conference entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, February 9 to 11, 2011 at University of Delhi, Delhi.


• Neha Niharika, Kiran Bala, Kirti Dhiman, Pooja Sharma, Arun Kumar Uppadhay, A.K Panda and Rup Lal. Enhancing the activity of LinA (hexachlorocyclohexane de-hydrochlorinase) by refolding, site-directed mutagenesis and screening its natural variants for better HCH degradation potential. ISCB International Conference entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, February 9 to 11, 2011 at University of Delhi, Delhi.

• Pushp Lata, Devi Lal and Rup Lal. Flavobacterium ummariense sp. nov., isolated from a high dose point hexachlorocyclohexane (HCH) contaminated dumpsite. ISCB International Conference entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, February 9 to 11, 2011 at University of Delhi, Delhi.

• Swati Jindal, Jasvinder Kaur and Rup Lal. Mining diversity of haloalkane dehalo-genase (linB) from hexachlorocyclohexane (HCH) dumpsite using genomic & met-agenomic approaches: a step towards enzymatic bioremediation of HCH. ISCB International Conference entitled “Recent Trends
in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, February 9 to 11, 2011 at University of Delhi, Delhi.
• Devi Lal, Jasvinder Kaur and Rup Lal. Phylogenetic analyses of Hydrolytic Dehalogenases reveal similar reaction but different origin. ISCB International Conference entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, February 9 to 11, 2011 at University of Delhi, Delhi.
• Neha Niharika, Kiran Bala, Kirti Kumari and Rup Lal. Characterization of a novel bacterial strain Sphingomonas sp. nov. LN82T isolated from hexachlorocyclohexane (HCH) dumpsite. ISCB International Symposium entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, February 9 to 11, 2011 at University of Delhi, Delhi. ISCB International Symposium, March 10 to 11, at NASC Complex, New Delhi.
• Hansi Bisht, Swati Jindal, Devi Lal, Simran Jit, Aeshna Nigam, Pooja Sharma, Kirti Kumari and Rup Lal. Bacterial diversity and Real time PCR based assessment of linA (dehydrochlorinase) and linB (haloalkane dehalogenase) gene distribution at hexachlorocyclohexane (HCH) contaminated sites
• Ankita Dua, Amit Kumar and Rup Lal. Taxonomical characterization of novel strains from a high dose point hexachlorocyclohexane (HCH) contaminated dumpsite using polyphasic approach. ISCB International Conference entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, February 9 to 11, 2011 at University of Delhi, Delhi.
• Kartik Sachdeva, Nidhi Garg and Rup Lal. Analysing the role of biosurfactants in bioremediation of hydrocarbon contaminated soil. ISCB International Conference entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, February 9 to 11, 2011 at University of Delhi, Delhi.
• Neha Niharika, Kiran Bala, Kirti Dhiman, Pooja Sharma, Arun Kumar Upadhyay, A.K Panda and Rup Lal. Enhancing the activity of LinA (hexachlorocyclohexane de-hydrochlorinase) by refolding, site-directed mutagenesis and screening its natural variants for better HCH degradation potential. AMI conference entitled International Conference on Microbial Biotechnology for Sustainable Development” November 3 to 6, 2011 at Panjab University, Chandigarh.

• Jasvinder Kaur, Neha Nihaarika, Jiri Damborsky and Rup Lal. Insertion sequence (IS) mediated Horizontal gene transfer of linB into Novosphingobium barchaimii UIIT-and Sphingobium baderi LL02T - A strategical approach. AMI conference entitled International Conference on Microbial Biotechnology for Sustainable Development” November 3 to 6, 2011 at Panjab University, Chandigarh.


• Amit Kumar Singh, Pushp Lata, Naseer Sangwan and Rup Lal. Hexachlorocyclo-hexane (HCH) Residue across (HCH) Dumpsite and Industrial Unit. AMI confer-ence entitled International Conference on Microbial Biotechnology for Sustainable Development” November 3 to 6, 2011 at Panjab University, Chandigarh.

• Naseer Sangwan, Pushp Lata, Amit Kumar Singh, Vatsala Dwivedi and RupLal. Comparative Gene Centric Analysis to Evaluate the Microbial Community Potential and Participation for HCH (hexachlorocyclohexane) Degradation in Metagenomic Datasets Assembled Across Three HCH Contamina- tion Gradients. AMI confer-ence entitled International Conference on Microbial Biotechnology for Sustainable Development” November 3 to 6, 2011 at Panjab University, Chandigarh.


Oral presentations


• Lal, R. Merging Genetics, Genomics and Metagenomics for the Bioremediation of Hexachlorocyclohexane. ISCB International Conference entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, February 9 to 11, 2011 at Delhi, India

Other (semester thesis, master and diploma thesis, PhD thesis, etc.)


• Sneha Ghosh, KIIT School of Biotechnology: Master thesis – 2011 – Degradation pathways of ε-HcH and γ-PCCH in the presence of both LinA2 and LinB.

• Sangeeta Jaiswal, KIIT School of Biotechnology: Master thesis – 2010 – Isolation and primary screening of HCH degrading bacteria in and around Bhubaneswar.

• Sarvabhotla Praveen Bharadhwaj, KIIT School of Biotechnology: Master thesis – 2009 – Quantification of the hydroxylated metabolites of β- and δ-isomers of hex-a chlorocyclohexane

CASSAVA NET (CV1)

Publications in international and national journals (peer reviewed)
• Mahajan N, Parameswari C, Veluthambi K (2011). Severe stunting in blackgram caused by the Mungbean yellow mosaic virus (MYMV) KA27 DNA B component is ameliorated by co-infection or post-infection with the KA22 DNA B: MYMV nuclear shuttle protein is the symptom determinant. Virus Res. 157:25-34.

Popular articles (not peer reviewed)
• Hohn T (2011) Wie sich Pflanzen gegen Viren wehren. UNINOVA 118: 43-45

Book chapters and monographs
• Vazquez F, Hohn T (2013). Biogenesis and Biological Activity of Secondary siRNAs in Plants. Scientia Volume 2013, Article ID 783253

Poster presentations
• Jaques Monod Conference "RNA at the center of gene regulation", Roscoff, France, April, 4-8, 2008 (Pooggin).
• Keystone conference on Silencing and silencing suppression in plants. Santa Fe February 2010 (Pooggin)
• Keystone conference "RNA silencing in plants", Feb 21-26, 2011, New Mexico, USA (Pooggin)
• Jaques Monod Conference "RNA at the center of gene regulation", Roscoff, France, April, 4-8, 2011 (Pooggin).

Oral presentations
• Hohn T. 1st COST WG2 meeting “Application of novel non-transgenic strategies for plant virus control” Spt. 11-12, 2009, Helsinki.
• Pooggin M. 1st COST WG2 meeting “Application of novel non-transgenic strategies for plant virus control” Spt 11-12, 2009, Helsinki.
• Pooggin M. International BARD workshop “Induction and suppression of RNA silencing” March 14-17, 2010, Eilat Israel.
• Hohn T. 2nd COST WG2 meeting “Application of novel non-transgenic strategies for plant virus control” March 18, 2010, Tel Aviv.
• Hohn T. ESF-EMBO Symposium on Antiviral Applications of RNA Interference, Sant Feliu de Guixols, Spain, 30 May - 4 June 2010.
• Pooggin M. EMBO Workshop Genomic approaches to interactions between plant viruses, their hosts and their vectors June 12-16, 2010, Fenestrell, Italy.
• Pooggin M. 6th International Geminivirus Symposium, Nov, 7-12, 2010, Guanajuato, Mexiko.
• Hohn T. Deutsche Virologie Konferenz, Freiburg March 2011 (Hohn).
• Hohn T. ESF-EMBO Symposium on Antiviral Applications of RNA Interference, Polonia Castle in Pul tusl, Poland, June 11-16 2012.
• Hohn T. Plant RNA Workshop, Vienna, July, 8-9, 2012.
• Hohn T. COST Meeting Ljubljana, Slowenia, Spt, 3-5, 2012.
• Fuentes. COST Meeting Ljubljana, Slowenia, Spt, 3-5, 2012.

Other (semester thesis, master and diploma thesis, PhD thesis, etc.)
• P. Ganga (2011) Cloning and partial sequencing of Sri Lankan cassava mosaic virus (SLMCV) genome from the infected cassava plant variety MVD. A dissertation submitted from a 6-month project work as part of the Advanced Diploma Course in Plant Genetic Engineering, School of Biotechnology, Madurai Kamaraj University.
PULSES (PS6)

Publications in international and national journals (peer reviewed)


Poster presentations

- Sampa Das, Sumanti Gupta and Dipankar Chakraborti, Early defense signaling in Chick-pea upon Fusarium oxysporum f.sp.ciceris attack presented in the VI th International Congress on Legume Genetics and Genomics at Asilomer during 208 July,2010.

Oral presentations

- Sampa Das presented in the “ International Symposium of ISCB at NASC Complex, New Delhi, India during 10-11th March, 2011.
- Das Sampa, Roy Amit and Chakraborti Dipankar, Exploring the biosafety aspect of insecticidal Allium sativum leaf lectin for its effective application in insect resistant plant development programme presented in 12th International Symposium on Biosafety of Genetically Modified Organisms at St. Louis, Missouri, USA during 16-20 September, 2012.
- Sumanti Gupta and Sampa Das, Molecular insight into the early defense signal modulation in chickpea upon Fusarium oxysporum f. sp. ciceris attack, presented in VII International Congress on Legume Genetics and Genomics held at ICRISAT, Hyderabad during 2-7 October,2012.

PULSES (PS7)

Publications in international journals (peer reviewed)

Publications in national journals (peer reviewed)

Book chapters and monographs

Poster presentations:

Oral presentations:
- Sarmah B K. 2011. “Development of transgenic chickpeas resistant to insect pests” talk presented in the International conference “Importance of germplasm in crop genomics and breeding” held in Chungnam National University, South Korea, 9th Aug, 2011.

**WHEAT NETWORK (DU)**

Publications in international and national journals (peer reviewed)


Book chapters and monographs

Poster presentations
Khurana Paramjit, Chauhan Harsh, Khurana Neetika (2010) Identification and characterization of high temperature stress responsive genes in bread wheat (Triticum aestivum L.) and their regulation at various developmental stages, in the 8th International Wheat Conference at St. Petersburg, Russia, from June 1-4, 2010

Oral presentations


• Neetika Khurana (2011). Characterizing some partial ESTs obtained from heat stressed wheat seedlings and flower tissues, at the ISCB WNet Annual meeting at Directorate of Wheat Research, Karnal, Haryana, from March 8-9.


Others (Semester thesis, master and diploma thesis, Ph.D. etc)


WHEAT NETWORK (DWR)

Publications in international and national journals (peer reviewed)


Oral presentations

Poster presentations

WHEAT NETWORK (PAU)

Publications in international and national journals (peer reviewed)


**Poster presentations**


**Oral presentations**


**Other (semester thesis, master and diploma thesis, PhD thesis, etc.)**


WHEAT NETWORK (ZH)

Publications in international and national journals (peer reviewed)


Book chapters and monographs


Poster presentations


Oral presentations


Other (semester thesis, master and diploma thesis, PhD thesis, etc.)