

# Biochar Research

Following is a representative list (with brief descriptors) of the research available.

- Annette Cowie of the Australian Nation Centre for Bioenergy Research: Ensuring sustainability of biochar: Learning from the experience of bioenergy; presented at IBI 2010, Rio de Janeiro, Brazil.
- Jim Fournier, Biochar Engineering Corporation: Biochar's role in global carbon management; presented at IBI 2010, Rio de Janeiro, Brazil.
- Christoph Steiner, BIOCHAR.org: Biochar carbon sequestration in tropical land use systems? (co-author: Laurens Rademakers); presented at IBI 2010, Rio de Janeiro, Brazil.
- Luca Montanarella, Joint Research Centre, Institute for Environment and Sustainability Land Management/SOIL action: Biochar – Sustainability, Certification, and Legislation (co-author: Verheijen, FGA); presented at IBI 2010, Rio de Janeiro, Brazil.
- Saran Sohi, University of Edinburgh: Climate Change Mitigation Value and Potential (co-authors: S. Shackley, A. Cross, S. Ahmed and O. Masek) presented at IBI 2010, Rio de Janeiro, Brazil.
- Annette Cowie, University of New England: Is biochar carbon negative? Quantifying the climate change mitigation benefits of biochar; presented at IBI 2010, Rio de Janeiro, Brazil.
- Jim Amonette, Pacific Northwest National Laboratory, WA; Maximum sustainable technical potential of biochar to mitigate climate change; presented at USBI, Ames, Iowa June 2010
- Attilio Pigneri, Massey University New Zealand: Opportunities and challenges for biochar/bioenergy systems in the compliance and voluntary carbon markets; presented at Asia Pacific Biochar, May 2009, Gold Coast, Australia
- Tracy Miedema, USDA National Organic Standards and Biochar International Policy Perspectives; presented at North American Biochar 2009, Boulder, CO, USA
- Kelli Roberts, Life Cycle Assessment of Biochar Production From Corn Stover, Yard Waste, and Switchgrass; presented at North American Biochar 2009, Boulder, CO, USA
- Following is key research from <http://www.pyroligneousacid.com.au/>
- Charcoal From New South Wales Species Of Timber

Since publication of the original work in 1974, interest in charcoal has been stimulated by the many conflicting issues...

- Eliminating the Carriage of Salmonella enterica Serovar Enteritidis in Domestic Fowls by Feeding Activated Charcoal from Bark Containing Wood Vinegar Liquid (Nekka-Rich)

The protective efficacy of activated charcoal containing wood vinegar liquid (Nekka-Rich) against intestinal infection with Salmonella enterica serovar Enteritidis...

- Effects of Dietary Bamboo Charcoal Powder Including Vinegar Liquid on Growth Performance and Histological Intestinal Change in Aigamo Ducks

To investigate effects of a mixture of bamboo charcoal powder and bamboo vinegar solution (SB) on growth performance and...

- Effects of Bamboo Charcoal Added Feed on Reduction of Ammonia and Growth of Pangasius hypophthalmus

A 50-day feeding trial was conducted to determine the effects of dietary bamboo charcoal (BC) on ammonia (NH<sub>3</sub>-N) excretion...

- Effects of dietary bamboo charcoal powder including vinegar liquid on chicken performance and histological alterations of intestine

Forty-eight 154-d-old White Leghorn hens were fed a diet containing 0 (control), 0.5, 1.0 and 1.5% bamboo charcoal powder...

- Effects of amendment of biochar-manure compost in conjunction with pyroligneous solution on soil quality and wheat yield of a salt-stressed cropland from Central China Great Plain

Salt stress has been one of the extreme conditions threatening world crop production which may become more serious under...

- Effects of a charcoal powder-wood vinegar compound solution in piglets for raw pigeon pea seed meal

Histological intestinal villus alterations were studied in piglets fed a raw pigeon pea meal (PM) diet including a powder...