

## IV．研究成果の発表と広報

### 1．研究成果

#### (1) 研究成果情報

研究成果情報第23集：平成18年度（第22集：平成17年度までは農業環境研究成果情報）に掲載した研究成果は以下のとおりである。

#### 1) 普及に移しうる成果\*1

- 1．ディルドリンを吸収しにくいカボチャ台木を用いてキュウリ果実中の残留濃度を低減
- 2．イムノクロマトアッセイを用いた玄米等のカドミウム濃度簡易測定法
- 3．2006年版 IPCC ガイドラインに採用された水田から発生するメタンの新しい算定方法
- 4．京都議定書第一約束期間の開始を前に、農耕地から発生する亜酸化窒素の新しい排出係数を算定
- 5．「水環境保全のための農業環境モニタリングマニュアル改訂版」の発行

#### 2) 主要研究成果\*2

- 1．コンフリーのアレロパシーと植物生育阻害物質の同定
- 2．小笠原父島に生育する樹木葉のアレロパシー活性の検定
- 3．特定外来生物カワヒバリガイ、霞ヶ浦に定着し分布域を拡大中
- 4．カナダのナタネ輸出港周辺において遺伝子組換えナタネの分布は拡大しない
- 5．ほ場で遺伝子組換えダイズとツルマメが交雑する可能性は低い
- 6．輸入港周辺の遺伝子組換えナタネは、従来のナタネ生育地にしか生育していない
- 7．トンボの生息環境としてのため池の特徴
- 8．谷津田を囲む斜面林周辺の草刈りが生物多様性を高める
- 9．ソバ粗抽出液に含まれる主要な植物生長阻害成分はルチン
- 10．チャノコカクモンハマキの交信攪乱剤に対する抵抗性発現要因
- 11．大気 CO<sub>2</sub>増加による水稻の群落光合成の促進は葉窒素濃度に依存する
- 12．大気 CO<sub>2</sub>濃度の上昇は水田の水需要を減らす
- 13．土壌炭素動態の温暖化応答解明のための高精度土壌加温システム
- 14．畑土壌における交換態放射性ストロンチウム減少速度は土壌の陽イオン交換能が支配する
- 15．土壌及び作物中のフェニル置換ヒ素化合物の定量法
- 16．高頻度観測衛星センサー（MODIS/Terra）を活用してメコンデルタの洪水と稲作を動的に捉える
- 17．日本の全流域圏・農耕地を網羅する農業生態系空間情報解析システム
- 18．菌床シイタケの新害虫をヤガ科ナミグルマアツバと同定
- 19．日本産ヒョウタンカスミカメ族（カメムシ目）の Web 図説検索表

\*1「普及に移しうる成果」とは、行政部局、検査機関、民間、他の試験研究機関（他独法、大学等）および農業現場等で活用されることが期待され、研究所として積極的に広報活動および普及活動を行うべき重要な成果を選定したものを。

\*2「主要研究成果」とは、研究所の成果として積極的に広報を行うべき成果。

## (2) 査読論文一覧

中課題 番号	論文タイトル	著者名	掲載誌名	巻(号)	ページ	発行年
A11	Adsorption and desorption characteristics of several herbicides on sediment	Kawakami T, <b>Eun H,</b> <b>Ishizaka M,</b> <b>Endo S,</b> Tamura K, Higashi T	Journal of Environmental Science and Health, Part B	42(1)	18	2007
A11	An <i>in vitro</i> screening assay to discover novel inhibitors of 4-coumarate: CoA ligase	Yun MS, Chen WJ, Deng F, Kiyokawa T, Mametsuka K, <b>Yogo Y</b>	Pest Management Science	62(11)	1065-1071	2006
A11	Biodegradation of methylthio-s-triazines by <i>Rhodococcus</i> sp. strain FJ1117YT, and production of the corresponding methylsulphinyl, methylsulphonyl, and hydroxy analogues	Fujii K, <b>Takagi K,</b> <b>Hiradate S,</b> Iwasaki A, Harada N	Pest Management Science	63(3)	254-260	2007
A11	Cadmium transport in volcanic ash soil during organic acid solution flow	Mizoguchi N, Abe Y, <b>Yamaguchi N,</b> <b>Miyazaki T</b>	Journal of ASTM International	3(6)	JAI13336	2006
A11	Comparative effects of rootstock and scion on dieldrin and endrin uptake by grafted cucumber ( <i>Cucumis sativus</i> )	<b>Otani T,</b> <b>Seike N</b>	Journal of Pesticide Science	31(4)	316-321	2006
A11	Comparative study of PCDDs/DFs concentration in crop and its cultural environment	Kwon O, <b>Eun H,</b> Choi D, Hong S, Kwon H, Choi J	The Korean Journal of Pesticide Science	10(2)	91-98	2006
A11	Differential uptake of dieldrin and endrin from soil by several plant families and <i>Cucurbita</i> genera	<b>Otani T,</b> <b>Seike N,</b> Sakata Y	Soil Science and Plant Nutrition	53(1)	86-94	2007
A11	Effect of water management practice on pesticide behavior in paddy water	Watanabe H, Nguyen HM, Komany S, Vu HS, Thai KP, <b>Ishihara S</b>	Agricultural Water Management	88 (13)	132-140	2007
A11	Exposure risk assessment and evaluation of the best management practices for controlling pesticide runoff from paddy fields. Part I. Paddy watershed monitoring	Vu HS, <b>Ishihara S,</b> Watanabe H	Pest Management Science	62(12)	1193-1206	2006
A11	Isolation and characterization of a novel simazine-degrading -proteobacterium and detection of genes encoding <i>s</i> -triazine-degrading enzymes	Iwasaki A, <b>Takagi K,</b> Fujii K, Kojima Y Harada N	Pest Management Science	63(3)	261-268	2007
A11	Levels of dioxins in rice, wheat, soybean, and adzuki bean cultivated in 1999 to 2002 in Japan and estimated of their intake	<b>Otani T,</b> <b>Seike N,</b> <b>Miwa T</b>	Journal of the Food Hygienics Society of Japan (SHOKUHIN EISEIGAKU ZASSHI)	47(4)	182-188	2006
A11	Long-term mobility of fallout <sup>90</sup> Sr in ploughed soil, and <sup>90</sup> Sr uptake by wheat grain	<b>Yamaguchi N,</b> Seki K, <b>Komamura M,</b> Kurishima K	Science of the Total Environment	372 (23)	595-604	2007
A11	Metabolism of pyrene by aquatic crustacean, <i>Daphnia magna</i>	Ikenaka Y, <b>Eun H,</b> <b>Ishizaka M,</b> Miyabara Y	Aquatic Toxicology	80(2)	158-165	2006
A11	Phytoextraction of cadmium by rice ( <i>Oryza sativa</i> L.), soybean ( <i>Glycine max</i> (L.) Merr.), and maize ( <i>Zea mays</i> L.)	<b>Murakami M,</b> <b>Ae N,</b> <b>Ishikawa S</b>	Environmental Pollution	145(1)	96-103	2007
A11	Remediation of cadmium contamination in paddy soils by washing with chemicals: Selection of washing chemicals	<b>Makino T,</b> <b>Sugahara K,</b> <b>Sakurai Y,</b> Takano H, Kamiya T, Sasaki K, Itou T, Sekiya N	Environmental Pollution	144(1)	2-10	2006
A11	Remediation of cadmium-contaminated paddy soils by washing with chemicals: Effect of soil washing on cadmium uptake by soybean	<b>Maejima Y,</b> <b>Makino T,</b> Takano H, Kamiya T, Sekiya N, Itou T	Chemosphere	67(4)	748-754	2007

中課題 番号	論文タイトル	著者名	掲載誌名	巻(号)	ページ	発行年
A11	Simulation of the effects of salting-out in the meridional transportation of pesticides and POPs by a new fugacity-based multimedia environmental fate model	Nishimori M , Wei YF , Kobara Y	Organohalogen Compounds	68	1151 1154	2006
A11	Strategies for including the paddy field compartment in multimedia models	Wei YF , Nishimori M , Kobara Y , Akiyama T	Organohalogen Compounds	68	1155 1158	2006
A11	Sulfate adsorption and surface precipitation on a volcanic ash soil (allophanic andisol)	Ishiguro M , Makino T , Hattori Y	Journal of Colloid and Interface Science	30( 2)	504 510	2006
A11	The applicability of the environmental fate estimates of current-use-pesticides using a multimedia model based on poly-parameter linear energy relationships	Kobara Y , Nishimori M , Wei YG , Ishihara S , Yokoyama A , Horio T	Organohalogen Compounds	68	1123 1126	2006
A11	Polychlorinated dibenzo- <i>p</i> -dioxins, dibenzofurans, and dioxin-like polychlorinated biphenyls (dioxins) in rice plants: Possible contaminated pathways	Uegaki R , Seike N , Otani T	Chemosphere	65( 9)	1537 1543	2006
A11	Transformation of methylthio-s-triazines via sulfur oxidation by strain JUN7, a <i>Bacillus cereus</i> species	Harada N , Takagi K , Fujii K , Iwasaki A	Soil Biology and Biochemistry	38( 9)	2952 2957	2006
A11	Vertical distributions of persistent organic pollutants (POPs) caused from organochlorine pesticides in a sediment core taken from Ariake bay, Japan	Kim Y , Eun H , Katase T , Fujiwara H	Chemosphere	67( 3)	456 463	2007
A11	Wastewater treatment by using kenaf in paddy soil and effect of dissolved oxygen concentration on efficiency	Abe K , Ozaki Y	Ecological Engineering	29( 2)	125 132	2007
A11	金コロイド標識抗カドミウム エチレンジアミン四酢酸錯体モノクローナル抗体を用いるイムノクロマトグラフィによる米中カドミウムの簡易定量	佐々木和裕 , 俵田啓 , 奥山亮 , 香山不二雄 , 阿部薫 , 奥畑博史 , 丸山幸直 , 荒金玉実 , 宮坂均 , 藤川敬 , 大村直也	分析化学	56( 1)	29 36	2007
A11	カドミウム検出用イムノクロマトキットによる玄米中カドミウム濃度簡易測定を試み	阿部薫 , 石川寛 , 櫻井泰弘 , 奥山亮 , 佐々木和裕 , 俵田啓	日本土壤肥科学雑誌	77( 6)	679 682	2006
A11	関東地域における主要ダイズ品種を中心としたベンタゾン感受性の品種間差	澁谷知子 , 與語靖洋 , 浅井元朗	雑草研究	51( 3)	152 158	2006
A11	蛍光 X 線分析法による米試料中カドミウムの簡易迅速スクリーニング分析	箭田 蕪木 佐衣子 , 川崎晃 , 松田賢士 , 水平学 , 織田久男	日本土壤肥科学雑誌	77( 2)	165 170	2006
A11	作物におけるカドミウムの吸収・移行と生理作用	織田久男 , 荒尾知人	日本土壤肥科学雑誌	77( 4)	439 449	2006
A11	ダイオキシン類濃度が大きく異なる土壌で栽培したコムギ茎葉中のダイオキシン類濃度の比較	草佳那子 , 森泉美穂子 , 土屋一成 , 上垣隆一	日本土壤肥科学雑誌	78( 1)	61 67	2007
A11	ダイズ作における一年生広葉夏雑草のベンタゾン感受性の種間差	澁谷知子 , 浅井元朗 , 與語靖洋	雑草研究	51( 3)	159 164	2006
A11	地域特産農作物の残留農薬基準設定および登録農薬確報のための農作物の類似化 - うり科野菜類 (II)	殷照洙 , 荒尾知人 , 外窪周子 , 遠藤正造 , 上路雅子 , 石井康雄	Journal of Pesticide Science	31( 3)	349 355	2006
A11	フローサイトメトリー解析による除草剤の微細藻類細胞に対する影響評価	石原悟 , 堀尾剛 , 小原裕三 , 横山淳史	雑草研究	51( 4)	239 248	2006

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A11	河川付着珪藻を用いた生長阻害試験法の開発	石原悟, 堀尾剛, 小原裕三, 横山淳史, 真山茂樹	日本環境毒性学会誌	9(2)	101-113	2006
A11	桜川および霞ヶ浦における水稲用除草剤の挙動	石原悟, 石坂眞澄, 堀尾剛, 小原裕三, 上路雅子	雑草研究	51(2)	69-81	2006
A11	殺菌剤クロロタロニルによる土壌中のアンモニア酸化阻害	山本幸洋, 藤原伸介, 田中福代, 高木和広, 松丸恒夫	日本土壌肥科学雑誌	78(1)	15-22	2007
A21	A labor-saving sampling method for estimating a normally distributed population by using a local median	Wada T, Urano S, Yamamura K	Applied Entomology and Zoology	42(1)	9-14	2007
A21	A new component of attractive aggregation pheromone in the bean bug, <i>Riptortus clavatus</i> (Thunberg) (Heteroptera: Alydidae)	Yasuda T, Mizutani N, Endo N, Fukuda T, Matsuyama T, Ito K, Moriya S, Sasaki R	Applied Entomology and Zoology	42(1)	1-7	2007
A21	Adsorption of 2,4-dichlorophenoxyacetic acid by an Andosol	Hiradate S, Furubayashi A, Uchida N, Fujii Y	Journal of Environmental Quality	36(1)	101-109	2007
A21	An oligonucleotide probe for the detection of <i>Erwinia herbicola</i> and <i>Erwinia ananas</i>	Nakanishi Y, Adandonon A, Okabe I, Hoshino YT, Matsumoto N	Journal of General Plant Pathology	72(5)	328-333	2006
A21	Characterization of allophanic Andisols by solid-state $^{13}\text{C}$ , $^{27}\text{Al}$ , and $^{29}\text{Si}$ NMR and by C stable isotopic ratio, $\delta^{13}\text{C}$	Hiradate S, Hirai H, Hashimoto H	Geoderma	136 (3-4)	696-707	2006
A21	Estimation of the potential speed of range expansion of an introduced species: characteristics and applicability of the gamma mode	Yamamura K, Moriya S, Tanaka K, Shimizu T	Population Ecology	49(1)	51-62	2007
A21	Evaluation of relative density indices for sika deer in eastern Hokkaido, Japan	Uno H, Kaji K, Saitoh T, Matsuda H, Hirakawa H, Yamamura K, Tamada K	Ecological Research	21(5)	624-632	2006
A21	Evidence of cyanamide production in hairy vetch <i>Vicia villosa</i>	Kamo T, Kato K, Hiradate S, Nakajima E, Fujii Y, Hirota M	Natural Product Research	20(5)	429-433	2006
A21	Interspecific hybridization between introduced and indigenous green lacewings (Neurop., Chrysopidae: <i>Chrysoperla</i> ) at different adult densities	Naka H, Haruyama N, Ito K, Mitsunaga T, Nomura M, Mochizuki A	Journal of Applied Entomology	130(8)	426-428	2006
A21	Iron dissolution reaction of mugineic acids for iron acquisition of graminaceous plants	Hiradate S	Allelopathy, New Concepts and Methodology (Fujii Y. and Hiradate S. eds.)		109-122	2007
A21	Isolation and purification of hydrophilic fulvic acids by precipitation	Hiradate S, Yonezawa T, Takesako H	Geoderma	132(1-2)	196-205	2006
A21	Larval cannibalism and intraguild predation between the introduced green lacewing, <i>Chrysoperla carnea</i> , and the indigenous trash-carrying green lacewing, <i>Mallada desjardinsi</i> (Neuroptera: Chrysopidae), as a case study of potential nontarget effect assessment	Mochizuki A, Naka N, Hamasaki K, Mitsunaga T	Environmental Entomology	35(5)	1298-1303	2006
A21	Monitoring allelopathic expression and functional performance of Tamarind ( <i>Tamarindus indica</i> L.)	Parvez MM, Parvez SS, Gemma H, Fujii Y	Allelopathy, New Concepts and Methodology (Fujii Y. and Hiradate S. eds.)		297-315	2007

中課題 番号	論文タイトル	著者名	掲載誌名	巻(号)	ページ	発行年
A21	Plant growth inhibitory activity of <i>Lycoris radiata</i> Herb. and the possible involvement of lycorine as an allelochemical	Iqbal Z , Nasir H , Hiradate S , Fujii Y	Weed Biology and Management	6(4)	221-227	2006
A21	Plant-box method: a specific bioassay to evaluate allelopathy through root exudates	Fujii Y , Pariasca D , Shibuya T , Yasuda T , Kahn B , Waller GR	Allelopathy, New Concepts and Methodology (Y. Fujii and S. Hiradate, eds.)		39-56	2007
A21	Quantification of cyanamide contents in herbaceous plants	Kamo T , Sato M , Kato K , Hiradate S , Nakajima E , Fujii Y , Hirota M	Bioscience, Biotechnology and Biochemistry	70(9)	2310-2312	2006
A21	Role of catechol structure in the adsorption and transformation reactions of L-DOPA in soils	Furubayashi A , Hiradate S , Fujii Y	Journal of Chemical Ecology	33(2)	239-250	2007
A21	Transgenic oilseed rape along transportation routes and port of Vancouver in western Canada	Yoshimura Y , Beckie HJ , Matsuo K	Environmental Biosafety Research	5(2)	67-75	2007
A21	アジア太平洋外来生物データベース (APASD) マニュアル	松井正春 , 上田義治 , 望月淳 , 岡部郁子 , 小沼明弘 , 西山幸司	農業環境技術研究所資料	31	1-32	2007
A21	カメムシ低密度地域のダイズ生産における適切な農薬散布回数	伊藤健二 , 水谷信夫 , 田淵研 , 守屋成一	関東東山病害虫研究会報	53	105-110	2006
A21	ヘアリーベッチの多面的利用に関する調査	田辺裕司 , 藤井義晴 , 中島江理 , 平館俊太郎 , 谷田重遠	岡山県総合畜産センター研究報告	16	11-16	2006
A21	自動計数機能付き昆虫誘殺装置を用いたホソヘリカメムシの誘殺消長	田淵研 , 守屋成一 , 水谷信夫 , 伊藤健二	日本応用動物昆虫学会誌	50(2)	123-129	2006
A21	栃木県那須塩原市に帰化したヨーロッパ産雑草 <i>Viola arvensis</i> Murray (マキバスマシレ: 新称)	北川美弥 , 西田智子 , 山本嘉人 , 森田弘彦	雑草研究	51(4)	253-255	2006
B11	An eodornavirus from a hypovirulent strain of the violet root rot fungus, <i>Helicobasidium mompa</i>	Osaki H , Nakamura H , Sasaki A , Matsumoto N , Yoshida K	Virus Research	118(12)	143-149	2006
B11	Changes in fungal community structure in bulk soil and spinach rhizosphere soil after chemical fumigation as revealed by 18S rDNA PCR-DGGE	Takada-Hoshino Y , Matsumoto N	Soil Science and Plant Nutrition	53(1)	40-55	2007
B11	Costs and benefits of flocking in foraging white-fronted geese ( <i>Anser albifrons</i> ): effects of resource depletion	Amano T , Ushiyama K , Fujita G , Higuchi H	Journal of Zoology	269(1)	111-115	2006
B11	Decision-making in group foragers with incomplete information: Test of individual-based model in geese	Amano T , Ushiyama K , Moriguchi S , Fujita G , Higuchi H	Ecological Monographs	76(4)	601-616	2006
B11	Detecting spatial interactions in the ragweed ( <i>Ambrosia artemisiifolia</i> L.) and the ragweed beetle ( <i>Ophraella communa</i> LeSage) populations	Yamanaka T , Tanaka K , Otuka A , Bjornstad ON	Ecological Research	22(2)	185-196	2007
B11	DNA-versus RNA-based denaturing gradient gel electrophoresis profiles of a bacterial community during replenishment after soil fumigation	Takada-Hoshino Y , Matsumoto N	Soil Biology and Biochemistry	39(2)	434-444	2007
B11	Effects of tillage and fertilizer on nematode communities in a Japanese soybean field	Okada H , Harada H	Applied Soil Ecology	35(3)	582-598	2007

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B11	FCD1 encoding protein homologous to cellobiose: Quinone oxidoreductase in <i>Fusarium oxysporum</i>	Kawabe M , Yoshida T , Teraoka T , Arie T	Gene	382	100 110	2006
B11	Foraging patch selection and departure by non-omniscient foragers: A field example in white-fronted geese	Amano T , Ushiyama K , Fujita G , Higuchi H	Ethology	112( 6 )	544 553	2006
B11	Mating disruption or mass trapping? Numerical simulation analysis of a control strategy for lepidopteran pests	Yamanaka T	Population Ecology	49( 1 )	75 86	2007
B11	The relationship between abdominal profile index and body condition of Greater White-fronted Geese <i>Anser albifrons</i>	Moriguchi S , Amano T , Ushiyama K , Fujita G , Higuchi H	Ornithological Science	5( 2 )	193 198	2006
B11	The wide distribution of endornaviruses, large double-stranded RNA replicons with plasmid-like particles	Fukuhara T , Koga R , Aoki N , Yuki C , Yamamoto N , Oyama N , Udagawa T , Horiuchi H , Miyazaki S , Higashi Y , Takeshita M , Ikeda K , Arakawa M , Matsumoto N , Moriyama H	Archives of Virology	151( 5 )	995 1002	2006
B11	景観構造に関する調査・情報システムとそれを利用したチョウ類の生息ポテンシャル評価	楠本良延, 山本勝利, 大黒俊哉, 井手任	農村計画学会誌	25( 別 )	281 286	2006
B11	微生物資材施用がキャベツ育苗期生育と根こぶ病に及ぼす影響	小杉徹, 岡野正豪, 荒尾知人, 金森哲夫	静岡県農業試験場研究報告	50	19 28	2006
B11	糸状菌食性線虫の生態及び植物病害抑制への利用	岡田浩明	東北農業研究センター研究報告	106	155 197	2006
B11	農村景観構造に基づく生物生息空間の評価 - 谷津環境のチョウ類生息空間を例に -	山本勝利, 楠本良延, 椎名政博, 井手任, 奥島修二	システム農学	23( 1 )	1 10	2007
B12	Changing green leaf volatile biosynthesis in plants: An approach for improving plant resistance against both herbivores and pathogens	Shiojiri K , Kishimoto K , Ozawa R , Kugimiya S , Arimura G , Horiuchi J , Nishioka T , Matsui K , Takabayashi J	Proceedings of the National Academy of Sciences	103 ( 45 )	16672 16676	2006
B12	Combined application of <i>Pseudomonas fluorescens</i> strain LRB3W1 with a low dosage of benomyl for control of cabbage yellows caused by <i>Fusarium oxysporum</i> f. sp. <i>conglutinans</i>	Someya N , Tsuchiya K , Yoshida T , Noguchi MT , Sawada H	Biocontrol Science and Technology	17( 1 )	21 31	2007
B12	Community structure of ammonia-oxidizing bacteria under long-term application of mineral fertilizer and organic manure in a sandy loam soil	Chu H , Fujii T , Morimoto S , Lin X , Yagi K , Hu J , Zhang J	Applied and Environmental Microbiology	73( 2 )	485 491	2007
B12	Effect of <i>Bacillus subtilis</i> on granite weathering: A laboratory experiment	Song W , Ogawa N , Oguchi TC , Hatta T , Matsukura Y	CATENA	70( 3 )	275 281	-
B12	Flight activity, reproduction, and adult nutrition of the beet webworm, <i>Spoladea recurvalis</i> (Lepidoptera: Pyralidae)	Shirai Y	Applied Entomology and Zoology	41( 3 )	405 414	2006

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B12	Fungicide sensitivity and phylogenetic relationship of anthracnose fungi isolated from various fruit crops in Japan	<b>Chung WH</b> , <b>Ishii H</b> , <b>Nishimura K</b> , Fukaya M , Yano K , Kajitani Y	Plant Disease	90( 4 )	506 512	2006
B12	Heritable pheromone blend variation in a local population of the butterbur borer moth <i>Ostrinia zaguliavi</i> (Lepidoptera: Crambidae)	<b>Tabata J</b> , Hoshizaki S , Tatsuki S , Ishikawa Y	Chemoecology	16( 1 )	123 128	2006
B12	Isolation strategies for finding bioactive compounds: specific activity vs. total activity	<b>Hiradate S</b>	Natural Products for Pest Management [Rimando A M and Duke S O eds.] (ACS Symposium Series)	927	113 126	2006
B12	Laboratory evaluation of effects of transgenic Bt corn pollen on two non-target herbivorous beetles, <i>Epilachna vigintioctopunctata</i> (Coccinellida) and <i>Galerucella vittaticollis</i> (Chrysomelidae)	<b>Shirai Y</b>	Applied Entomology and Zoology	41( 4 )	607 611	2006
B12	Protein extraction/solubilization protocol for monocot and dicot plant gel-based proteomics	Cho K , Torres NL , Subramanyam , <b>Deepak SA</b> , Sardesai N , Han O , Williams CE , <b>Ishii H</b> , Iwahashi H , Rakwal R	Journal of Plant Biology	49( 6 )	413 420	2006
B12	Role of the lipoxygenase/lyase pathway of host-food plants in the host searching behavior of two parasitoid species, <i>Cotesia glomerata</i> and <i>Cotesia plutellae</i>	Shiojiri K , Ozawa R , Matsui K , Kishimoto K , <b>Kugimiya S</b> , Takabayashi J	Journal of Chemical Ecology	32( 5 )	969 979	2006
B12	Sex pheromone production and perception in the mating disruption-resistant strain of the smaller tea leafroller moth, <i>Adozophyes honmai</i>	<b>Tabata J</b> , <b>Noguchi H</b> , Kainoh Y , Mochizuki F , <b>Sugie H</b>	Entomologia Experimentalis et Applicata	122( 2 )	145 153	2006
B12	千葉県におけるキュウリ褐斑病菌の数種薬剤に対する感受性	竹内妙子 , 久保周子 , 石井英夫	関東東山病害虫研究会報	53( )	55 60	2006
B21	Climate changes and trends in phenology and yields of field crops in China, 1981 2000	Tao F , <b>Yokozawa M</b> , Xu Y , Hayashi Y , Zhang Z	Agricultural and Forest Meteorology	138( 1 4 )	82 92	2006
B21	Dependence of solar radiation transport in rice canopies on developmental stage	Maruyama A , <b>Kuwagata T</b> , Ohba K , Maki T	Japan Agricultural Research Quarterly	41( 1 )	39 46	2007
B21	Design of sphingomonad-detecting probes for a DNA Array, and its application to investigate the behavior, distribution, and source of rhizospheric sphingomonads and other <i>Sphingomonads</i> inhabiting an acid sulfate soil paddock in Kalimantan, Indonesia	Hashidoko Y , Kitagawa E , Iwahashi H , Purnomo E , <b>Hasegawa T</b> , Tahara S	Bioscience, Biotechnology, and Biochemistry	71( 2 )	343 351	2007
B21	Enhancement of rice canopy carbon gain by elevated CO <sub>2</sub> is sensitive to growth stage and leaf nitrogen concentration	<b>Sakai H</b> , <b>Hasegawa T</b> , Kobayashi K	New Phytologist	170( 2 )	321 332	2006
B21	Impact of global warming on rice production in Japan based on five coupled atmosphere-ocean GCMs	Iizumi T , Hori ME , <b>Yokozawa M</b> , Nakagawa H , Hayashi Y , Kimura F	SOLA	2	156 159	2006
B21	Lodging in rice can be alleviated by atmospheric CO <sub>2</sub> enrichment	Shimono H , Okada M , Yamakawa Y , Nakamura H , Kobayashi K , <b>Hasegawa T</b>	Agriculture, Ecosystems & Environment	118( 1 4 )	223 230	2007
B21	Osmotic water permeability of plasma and vacuolar membranes in protoplasts I. High osmotic water permeability in radish ( <i>Raphanus sativus</i> ) root cells as measured by a new method	Murai-Hatano M , <b>Kuwagata T</b>	Journal of Plant Research	120( 2 )	175 189	2007

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B21	Osmotic water permeability of plasma and vacuolar membranes in protoplasts II. Theoretical basis	<b>Kuwagata T</b> , Murai-Hatano M	Journal of Plant Research	12( 2 )	193 208	2007
B21	Paddy rice responses to free-air [CO <sub>2</sub> ] enrichment	Kobayashi K , Okada M , Kim H Y , Lieferring M , Miura S , <b>Hasegawa T</b>	Managed ecosystems and CO <sub>2</sub> : Case studies, processes, and perspectives [Nosberger J, Long SP, Norby RJ, Stitt M, Hendrey GR, Blum H eds.] (Ecological Studies)	187	87 104	2006
B21	Seasonal changes in temperature dependence of photosynthetic rate in rice under a free-air CO <sub>2</sub> enrichment	Borjigidai A , Hikosaka K , Hirose T , <b>Hasegawa T</b> , Okada M , Kobayashi K	Annals of Botany	97( 4 )	549 557	2006
B21	Stability of rice pollination in the field under hot and dry conditions in the Riverina region of New South Wales, Australia	Matsui T , Kobayashi K , <b>Yoshimoto M</b> , <b>Hasegawa T</b>	Plant Production Science	10( 1 )	57 63	2007
B21	The characteristics of agro-climatic environments in subtropical islands around Japan	<b>Kuwagata T</b>	Japan Agricultural Research Quarterly	40( 3 )	251 261	2006
B21	コメ需給動向と気象要因	銭小平, 陳永福, 岡本勝男	日本農業経済学会論文集	2006	151 157	2006
B21	大気と陸域生態系の相互作用 - 水と二酸化炭素の交換過程に着目して -	<b>桑形恒男</b> , 渡辺力 , 三枝信子	天気	54( 3 )	203 206	2007
B21	地球温暖化の農業への影響と食料安全保障	<b>西森基貴</b>	地球環境	11( 1 )	35 42	2006
B22	A chamber system with automatic opening and closing for continuously measuring soil respiration based on an open-flow dynamic method	Suh S , Chun Y , Chae N , Kim J , Lim J , <b>Yokozawa M</b> , Lee M , Lee J	Ecological Research	21( 3 )	405 414	2006
B22	Ammonia volatilization from the surface of a Japanese paddy field during rice cultivation	<b>Hayashi K</b> , <b>Nishimura S</b> , <b>Yagi K</b>	Soil Science and Plant Nutrition	52( 4 )	545 555	2006
B22	Carbon dioxide dynamics and controls in a deep-water wetland on the Qinghai-Tibetan plateau	Hirota M , Tang Y , Hu Q , Hirata S , Kato T , <b>Mo W</b> , Cao G , Mariko S	Ecosystems	9( 4 )	673 688	2006
B22	CH <sub>4</sub> production potential in a paddy soil exposed to atmospheric CO <sub>2</sub> enrichment	Lou Y , Mizuno T , Kobayashi K , Okada M , <b>Hasegawa T</b> , Hoque Md M , Inubushi K	Soil Science and Plant Nutrition	52( 6 )	769 773	2006
B22	Estimations of emission factors for fertilizer-induced direct N <sub>2</sub> O emissions from agricultural soils in Japan: summary of available data	<b>Akiyama H</b> , Yan X , <b>Yagi K</b>	Soil Science and Plant Nutrition	52( 6 )	774 787	2006
B22	Expansion of damage function for stratospheric ozone depletion to cover major endpoints regarding life cycle impact assessment	<b>Hayashi K</b> , Nakagawa A , Itsubo N , Inaba A	International Journal of Life Cycle Assessment	11( 3 )	150 161	2006
B22	Importance of indigenous arbuscular mycorrhiza for growth and phosphorus uptake in tropical forage grasses growing on an acid, infertile soil from the Brazilian Savannas	Kanno T , <b>Saito M</b> , Ando Y , Macedo MCM . , Nakamura T , Miranda CHB	Tropical Grasslands	40	94 101	2006
B22	Increase of residential electricity consumption in urban and rural China by province	Honda M , <b>Shindo J</b> , <b>Okamoto K</b> , Kawashima H	Poster paper at the International Association of Agricultural Economists Conference		<a href="http://agecon.lib.umn.edu/cgi-bin/pdf_view.pl?paperid=22207&amp;ftype=.pdf">http://agecon.lib.umn.edu/cgi-bin/pdf_view.pl?paperid=22207&amp;ftype=.pdf</a>	2006



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B22	Wet deposition chemistry in Japan: Key feature of the Japanese Acid Deposition Survey from 1983 to 2002	<b>Hayashi K</b> , Noguchi I , Ohizumi T , Aikawa M , Kitamura M , Takahashi A , Matsuda K , Minami Y , Hara H	IGACTivities Newsletter of the International Global Atmospheric Chemistry Project	2006 (33)	2 6	2006
B22	Measurements of N <sub>2</sub> O and NO emissions during tomato cultivation using a flow-through chamber system in a glasshouse	Hosono T , Hosoi N , <b>Akiyama H</b> , Tsuruta H	Nutrient Cycling in Agroecosystems	75( 1 3)	115 134	2006
B22	Methane emission from paddy fields and its mitigation options on a field scale	<b>Minamikawa K</b> , Sakai N , <b>Yagi K</b>	Microbes and Environments	21(3)	135 147	2006
B22	Methods for Estimating the Nitrogen Load on a Catchment Scale	<b>Itahashi S</b> , <b>Komada M</b> , <b>Takeuchi M</b>	Japan Agricultural Research Quarterly	40(2)	131 142	2006
B22	Molecular phylogeny and new taxa in the <i>Archaeosporales</i> ( <i>Glomeromycota</i> ): <i>Ambispora fennica</i> gen. nov. , <i>Ambisporaceae</i> fam. nov. and emendation of <i>Archaeospora</i> and <i>Archaeosporaceae</i>	Walker C , Vestberg M , Demircik F , Stockinger H , <b>Saito M</b> , Sawaki H , Nishimura I , Schüßler A	Mycological Research	111(2)	137 153	2007
B22	Nitrate fluxes and nitrate removal in the shallow aquifer below an Andisol field	<b>Eguchi S</b> , <b>Sawamoto M</b> , <b>Shiba M</b>	N management in agrosystems in relation to the Water Framework Directive: Proceedings of the 14th N Workshop, October 2005, Maastricht, the Netherlands [Schröder J.J. and Neeteson J.J. eds.] (Report, Plant Research International)	116	375 377	2006
B22	Nitrous oxide emissions from an intensively cultivated maize-wheat rotation soil in the North China Plain	<b>Ding W</b> , Cai Y , Cai Z , <b>Yagi K</b> , Zheng X	Science of the Total Environment	373 (2 3)	501 511	2007
B22	NO, N <sub>2</sub> O, CH <sub>4</sub> and CO <sub>2</sub> fluxes in winter barley field of Japanese Andisol as affected by N fertilizer management	<b>Chu H</b> , Hosen Y , <b>Yagi K</b>	Soil Biology and Biochemistry	39(1)	330 339	2007
B22	Polyphosphate metabolism in an achidophilic alga <i>Chlamydomonas acidophila</i> KT-1 (Chlorophyta) under phosphate stress.	Nishikawa K , Machida H , Yamakoshi Y , Ohtomo R , Saito K , <b>Saito M</b> , Tominaga N	Plant Science	170(2)	307 313	2006
B22	Prospects for multifunctionality of paddy rice cultivation in Japan and other countries in monsoon Asia	Matsuno Y , Nakamura K , Masumoto T , Kato T , <b>Sato Y</b>	Paddy and Water Environment	4(4)	189 197	2006
B22	Soil respiration of forest ecosystems in Japan and Global Implications	Lee MS , <b>Mo W</b> , Koizumi H	Ecological Research	21(6)	828 839	2006
B22	Temporal and spatial variations in N <sub>2</sub> O emissions from a Chinese cabbage field as a function of type of fertilizer and application	<b>Cheng W</b> , <b>Sudo S</b> , Tsuruta H , <b>Yagi K</b> , Hartley A	Nutrient Cycling in Agroecosystems	74(2)	147 155	2006
B22	Vacuolar localization of phosphorus in hyphae of <i>Phialocephala fortinii</i> , a dark septate fungal root endophyte	Saito K , Kuga-Uetake Y , <b>Saito M</b> , Peterson RL	Canadian Journal of Microbiology	52(7)	643 650	2006
B22	家畜ふん尿の処理物別、仕向先別の肥料成分量の推定	<b>神山和則</b> , 眞示戸雅之 , 佐々木寛幸 , 松浦庄司	日本土壌肥科学雑誌	7(3)	283 291	2006
B22	持続的で安定した食料生産をグローバルに考える	<b>佐藤洋平</b>	農業土木学会誌	75(1)	9 13	2007
B22	農業における温室効果ガスの排出と削減	<b>野内勇</b>	大気環境学会誌	41(3)	103 122	2006

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B22	東アジアにおける大気経由の窒素負荷への農業起源アンモニアの寄与の推定	新藤純子, 岡本勝男, 川島博之	日本水文科学会誌	36(3)	95-104	2006
B22	貧栄養多雪地域における森林の窒素循環	大浦典子, 鈴木啓助, 奈良麻衣子, 村本美智子, 藤多門, 新藤純子, 戸田任重	環境科学会誌	19(3)	217-231	2006
B22	矢作川流域の水田下層土における脱窒	恒川歩, 今井克彦, 柴山浩子, 糟谷真宏, 江口定夫	日本土壌肥科学雑誌	77(2)	207-211	2006
B22	わが国の渓流水質の広域調査	木平英一, 新藤純子, 吉岡崇仁, 戸田任重	日本水文科学会誌	36(3)	145-149	2006
B22	わが国における渓流水のリン酸態リン濃度とその規定要因	若松孝志, 木平英一, 新藤純子, 吉岡崇仁, 岡本勝男, 板谷明美, 金球植	水環境学会誌	29(11)	679-686	2006
B22	濃度勾配が示す草地からの亜硝酸ガスの間接発生	林健太郎, 野口泉	大気環境学会誌	41(5)	279-287	2006
B22	物質循環モデル解析におけるリモート・センシングとGISの役割	岡本勝男, 新藤純子, 川島博之	日本水文科学会誌	36(3)	137-144	2006
C11	A study on Replenishment and decomposition of organic matter in and Mat-Cryic Cambisols CO <sub>2</sub> flux between vegetation and atmosphere	李英年, 王勤学, 杜明遠, 趙亮, 徐世暎, 唐詭鴻, 于貴端, 趙新全, 古松	Acta Agrestia Sinica	14(2)	165-169	2006
C11	Aeolian dust experiment on climate impact: an overview of Japan-China joint project ADEC	Mikami M, Shi G, Uno I, Yabuki S, Iwasaka Y, Yasui M, Aoki T, Tanaka T, Kurosaki Y, Masuda K, Uchiyama A, Matsuki A, Sakai T, Takemi T, Nakano M, Seino N, Ishizuka M, Satake S, Fujita K, Hara Y, Kai K, Kanayama S, Hayashi M, Du M, Kanai Y, Yamada Y, Xiaoye Zhang, Zhibao Shen, Hongfei Zhou, Abe O, Nagai T, Tsutsumi Y, Chiba M	Global and Planetary Change	52 (14)	142-172	2006
C11	Application of a commercial immunoassay to the direct determination of insecticide imidacloprid in fruit juices	Watanabe E, Baba K, Eun H, Miyake S	Food Chemistry	102(3)	745-750	2007

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C11	Combined use of the biocontrol bacterium <i>Pseudomonas fluorescens</i> strain LRB3W1 with reduced fungicide application for the control tomato Fusarium wilt	<b>Someya N , Tsuchiya K , Yoshida T , Noguchi MT , Sawada H</b>	Biocontrol Science	11( 2 )	75 80	2006
C11	Comparative analysis of <i>argK</i> -tox clusters and their flanking regions in Phaseolotoxin-producing <i>Pseudomonas syringae</i> pathovars	Genka H , Baba T , Tsuda M , Kanaya S , Mori H , <b>Yoshida T , Noguchi MT , Tsuchiya K , Sawada H</b>	Journal of Molecular Evolution	63( 3 )	401 414	2006
C11	Concentrations of carbon gases and oxygen and their emission ratios in the burning of rice seed sheaths in a wind tunnel	<b>Yonemura S , Kawashima S</b>	Atmospheric Environment	41( 7 )	1407 1416	2007
C11	Controlling factors on the interannual CO <sub>2</sub> budget at a subarctic black spruce forest in interior Alaska	Ueyama M , Harazono Y , Ohtaki E , <b>Miyata A</b>	Tellus B	58( 5 )	491 501	2006
C11	Dioxotungsten 1, 2-benzenedithiolate complex stabilized by NH...S hydrogen bonds	<b>Baba K , Okamura T , Yamamoto H , Yamamoto T , Ohama M , Ueyama N</b>	Inorganic Chemistry	45( 20 )	8365 8371	2006
C11	Evaluation of transpiration rate of lotus using the stem heat-balance method	<b>Takagi K , Harazono Y , Noguchi S , Miyata A , Mano M , Komine M</b>	Aquatic Botany	85( 2 )	129 136	2006
C11	Evidence of genetic exchange by parasexual recombination and genetic analysis of pathogenicity and mating type of parasexual recombinants in rice blast fungus, <i>Magnaporthe oryzae</i>	<b>Noguchi MT , Yasuda N , Fujita Y</b>	Phytopathology	96( 7 )	746 750	2006
C11	Identicoation of <sup>137</sup> Cs reference sites in southeastern China	Tang X , Yang H , <b>Du M , Zhao Q , Li R</b>	Pedosphere	16( 4 )	468 476	2006
C11	Immunoassay for acetamiprid detection: Application to residue analysis and comparison with liquid chromatography	<b>Watanabe E , Miyake S , Baba K , Eun H , Endo S</b>	Analytical and Bioanalytical Chemistry	38( 5 )	1441 1448	2006
C11	Immunoassay for iprodione: Key estimation for residue analysis and method validation with chromatographic technique	<b>Watanabe E , Miyake S</b>	Analytica Chimica Acta	583( 2 )	370 376	2007
C11	Modeling evapotranspiration in Arctic coastal plain ecosystems using a modified BIOME-BGC model	Engstrom R , Hope H , Kwon H , Harazono Y , <b>Mano M , Oechel W</b>	Journal of Geophysical Research	111	G 02021 , doi: 10 .1029/ 2005JG 000102	2006
C11	Partial mapping of avirulence genes <i>AVR-Pii</i> and <i>AVR-Pia</i> in the rice blast fungus <i>Magnaporthe oryzae</i>	Yasuda N , <b>Noguchi MT , Fujita Y</b>	Canadian Journal of Plant Pathology	28( 3 )	494 498	2006
C11	Proteomic Analysis of Silkworm Fat Body	Kajiwara H , Itou Y , Nakamura M , Mita K , <b>Ishizaka M</b>	Journal of Insect Biotechnology and Sericology	75( 2 )	47 56	2006
C11	Reliable enzyme immunoassay detection for chlorothalonil: Fundamental evaluation for residue analysis and validation with gas chromatography	<b>Watanabe E , Miyake S , Ito S , Baba K , Eun H , Ishizaka M , Endo S</b>	Journal of Chromatography A	1129 ( 2 )	273 282	2006

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C11	Responses of soil temperature and humidity to changes of vegetation coverage in Alpine Kobresia Meadow	李英年, 張法, 劉安花, 趙亮, 王勤学, 杜明遠	Chinese Journal of Agrometeorology	27(4)	265 268	2006
C11	Seasonal variation of surface fluxes of two species Meadows on the Qinghai-Tibet Plateau	趙亮, 徐世暉, 李英年, 趙新全, 于貴端, 古松, 杜明遠	Acta Agrestia Sinica	14(3)	248 253	2006
C11	Temperature and biomass influences on interannual changes in CO <sub>2</sub> exchange in an alpine meadow on the Qinghai-Tibetan Plateau	Kato T, Tang Y, Gu S, Hirata M, Du M, Li Y, Zhao X	Global Change Biology	12(7)	1285 1298	2006
C11	Temporal and spatial differences of methane flux at arctic tundra in Alaska	Harazono Y, Mano M, Miyata A, Yoshimoto M, Zulueta RC, Vourlitis G, Kwon H, Oechel W	Memoirs of National Institute of Polar Research, Special Issue	59	79 95	2006
C11	UV-B changing characteristics of Alpine Meadow area at Haibei station in Qiliang mountain	李英年, 杜明遠, 唐艶鴻, 趙亮, 王勤学, 趙新全, 古松	Journal of Arid Land Resources and Environment	20(3)	79 84	2006
C11	Wind tunnel experimental study on the effects of polyethylene windbreak net on evaporation	Du M, Maki T, Kawashima S	Journal of Ecotechnology Research	12 (1 2)	122 125	2006
C11	メッシュ気候値2000による温暖化時の最大積雪深予測値の検証	井上聡, 川島茂人, 横山宏太郎	雪氷	68(2)	115 122	2006
C11	わが国の米、小麦および土壌における <sup>90</sup> Srと <sup>137</sup> Cs濃度の長期モニタリングと変動解析	駒村美佐子, 津村昭人, 山口紀子, 藤原英司, 木方展治, 小平潔	農業環境技術研究所報告	24	1 21	2006
C21	Analysis of the infection sources of oxolinic acid resistant field strains of <i>Burkholderia glumae</i> based on rep-PCR analysis and nucleotide sequences of <i>gyrB</i> and <i>rpoD</i>	Maeda Y, Horita M, Shinohara H, Kiba A, Ohnishi Ki, Tsushima S, Hikichi Y	Journal of General Plant Pathology	73(1)	46 52	2007
C21	Coexistence and exclusion between humans and monkeys in Japan: Is either really possible?	Sprague D, Iwasaki N	Ecological and Environmental Anthropology	2(2)	30 43	2006
C21	Development and reproduction of an aphidophagous coccinellid, <i>Propylea japonica</i> (Thunberg) (Coleoptera: Coccinellidae), reared on an alternative diet, <i>Ephesia kuehniella</i> (Zeller) (Lepidoptera: Pyralidae) eggs	Hamasaki K, Matsui M	Applied Entomology and Zoology	41(2)	233 237	2006
C21	<i>Erwinia</i> isolates from the bacterial shoot blight of pear in Japan are closely related to <i>Erwinia pyrifoliae</i> based on phylogenetic analyses of <i>gyrB</i> and <i>rpoD</i> genes	Matsuura T, Shinoara H, Inoue Y, Azegami K, Tsushima S, Tsukamoto T, Mizuno A	Journal of General Plant Pathology	73(1)	53 58	2007
C21	Estimating dynamics of ecosystem CO <sub>2</sub> flux and biomass production in agricultural field on the basis of synergy between process models and remotely sensed signatures	Inoue Y, Olioso A	Journal of Geophysical Research	111	D24S91, doi:10. 1029/2006 JD007469	2006
C21	Fungivory of <i>Anatatha lignea</i> , an interesting habit in Noctuidae (Lepidoptera)	Yoshimatsu S, Nakata Y	Entomological Science	9(3)	319 325	2006

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C21	Increase in <i>BrAO1</i> gene expression and aldehyde oxidase activity during clubroot development in Chinese cabbage ( <i>Brassica rapa</i> L.)	Ando S , <b>Tsushima S</b> , Tagiri A , Kamachi S , Konagaya K , Hagio T , Tabei Y	Molecular Plant Pathology	7(4)	223 234	2006
C21	Indigenous knowledge on soil classification of ethnic groups in Luang Prabang Province of the Lao PDR	Douangsavanh L , Manivong V , Polthanee A , Roengsak Katawatin R , <b>Inoue Y</b>	Journal of Mountain Science	3(3)	247 258	2006
C21	Inhabitancy and colonization on healthy rice plants by <i>Glomerella cingulata</i>	<b>Yoshida S</b> , Tsukiboshi T , Arie T , <b>Shinohara H</b> , <b>Koitaabashi M</b> , <b>Tsushima S</b>	Journal of Phytopathology	155(1)	38 44	2007
C21	Measuring rice paddy persistence spanning a century with Japan's oldest topographic maps: georeferencing the Rapid Survey Maps for GIS analysis	<b>Sprague D</b> , <b>Iwasaki N</b> , <b>Takahashi S</b>	International Journal of Geographic Information Science	21(1)	83 95	2007
C21	Modeling of crop and soil parameters using C and L band of SAR images	Dabrowska Zielinska K , <b>Inoue Y</b> , Kowalik W , Gruszczynska M	Journal of Water and Land Development	9	3 20	2006
C21	On the Bragg scattering observed in L-band synthetic aperture radar images of flooded rice fields	Ouchi K , Wang H , <b>Ishitsuka N</b> , Saito G , Mohri K	IEICE Transactions on Communications	E89 B (8)	2218 2225	2006
C21	Oscillatory behavior of monsoon rainfall over Sri Lanka during the late 19th and 20th centuries and its relationships to SSTs in the Indian Ocean and ENSO	Malmgren BA , Hulugalla R , Lindeberg G , <b>Inoue Y</b> , Hayashi Y , Mikami T	Theoretical and Applied Climatology	89 (1 2)	115 125	2006
C21	Phylogenetic analysis of <i>Xanthomonas albilineans</i> strains from Okinawa, Japan, through a comparison of the <i>gyrB</i> and <i>rpoD</i> genes in geographically distinct strains	<b>Tsushima S</b> , <b>Shinohara H</b> , Nakazato T , Ando S , Sugisawa T , Tabei Y	Journal of Phytopathology	154 (11 12)	683 687	2006
C21	Phylogenetic study and multiplex PCR based detection of <i>Burkholderia plantarii</i> , <i>Burkholderia glumae</i> and <i>Burkholderia gladioli</i> using <i>gyrB</i> and <i>rpoD</i> sequences	Maeda Y , <b>Shinohara H</b> , Kiba A , Ohnishi K , Furuya N , Kawamata Y , Ezaki T , Vandamme PAR , <b>Tsushima S</b> , Hikichi Y	International Journal of Systematic and Evolutionary Microbiology	56(5)	1031 1038	2006
C21	Production of quorum-sensing-related signal molecules by epiphytic bacteria inhabiting wheat heads	<b>Yoshida S</b> , Kinkel LL , <b>Shinohara H</b> , Numajiri N , <b>Hiradate S</b> , <b>Koitaabashi M</b> , Suyama K , Negishi H , <b>Tsushima S</b>	Canadian Journal of Microbiology	52(5)	411 418	2006
C21	Radiometric estimation of leaf inclination angles of various crop species using multi-band polarization and reflectance	<b>Shibayama M</b>	Plant Production Science	9(2)	156 160	2006
C21	Relationship between light use efficiency and photochemical reflectance index as affected by soil water content	<b>Inoue Y</b> , Penuelas J	International Journal of Remote Sensing	27	5249 5254	2006
C21	Recent trends in nitrogen and phosphate use and balance on Japanese farmland	<b>Mishima S</b> , <b>Taniguchi S</b> , <b>Komada M</b>	Soil Science and Plant Nutrition	52(4)	556 563	2006
C21	Remote assessment for wheat canopies in various cultivation conditions using polarized reflectance	<b>Shibayama M</b> , Watanabe Y	Plant Production Science	9(3)	312 322	2006
C21	Single look classification accuracy for polarimetric SAR	Davidson G , Ouchi K , <b>Saito G</b> , <b>Ishitsuka N</b> , Mohri K , Uratsuka S	International Journal of Remote Sensing	27 (21 22)	5073 5080	2006

中課題番号	論文タイトル	著者名	掲載誌名	巻(号)	ページ	発行年
C21	The minute pirate-bug genus <i>Xylocoris</i> Dufour (Hemiptera: Heteroptera: Anthocoridae) from rice mills in Thailand	Yamada K, Yasunaga T, <b>Nakatani Y</b> , Hirowatari H	Peocceedings of the Entomological Society of Washington	108(3)	525-533	2006
C21	奄美群島で発生が確認されたマンゴーの害虫	山口卓宏, 岩元順二, 後藤秀章, 野島秀伸, 尾松直志, 鳥越博明, <b>安田耕司</b> , 瀬戸口脩, 林川修二	九州病害虫研究会報	52	60-65	2006
C21	家畜ふん堆肥と化学肥料を併用したキャベツ栽培試験圃場における硝酸態窒素の現存量評価	庄司正, <b>大倉利明</b> , 鹿沼信行, <b>戸上和樹</b> , 加部武, 畠山雅直, 高橋朋子, 山田正幸, 小柴守, 塚本雅俊, <b>神山和則</b> , <b>中井信</b>	群馬県農業技術センター研究報告	4	56-57	2007
C21	水稲作付面積計測への合成開口レーダ(SAR)の利用	<b>石塚直樹</b>	農業環境技術研究所報告	24	95-151	2006
C21	日本産ボクトウガ科 <i>Cossus</i> 属 3 種の生態	中牟田潔, Chen X, 北島博, 中西友章, <b>吉松慎一</b>	森林防疫	56(1)	5-9	2007
C21	モンゴルの農牧業、生態系と植生変動研究の現状	烏云娜, <b>岡本勝男</b>	システム農学	22(1)	59-69	2006
C21	わが国の食飼料供給に伴う窒素の動態に基づく環境負荷発生構造の解析	三輪睿太郎, <b>織田健次郎</b> , 松本成夫	日本土壤肥料学会誌	77(6)	627-634	2006
C21	わが国の食飼料システムにおける1980年代以降の窒素動態の変遷	<b>織田健次郎</b>	日本土壤肥料学会誌	77(5)	517-524	2006
C21	光・電磁波・音波による作物形態情報の非破壊計測手法	<b>井上吉雄</b>	日本作物学会紀事	75(2)	220-222	2006
C21	迅速測図に見る農業的土地利用の変遷・歴史 GIS の構築と活用	<b>Sprague D</b> , <b>岩崎巨典</b>	システム農学	23(1)	33-40	2007
C21	作物個体群反射光の偏光特性の測定法と葉群構造の推定	<b>芝山道郎</b>	日本作物学会紀事	75(4)	579-582	2006

## 注記)

・中課題番号順に配列した。それぞれの課題名は以下のとおり。

中課題番号	課題名(詳しくは第II章を参照されたい)
A11	農業環境中における有害化学物質のリスク評価手法及びリスク管理技術の開発
A21	外来生物及び遺伝子組換え生物の生態系影響評価とリスク管理技術の開発
B11	農業生態系を構成する生物群集の動態と生物多様性の解明
B12	農業生態系機能の発現に関する情報化学物質の解明
B21	地球環境変動が農業生態系に及ぼす影響予測と生産に対するリスク評価
B22	農業活動等が物質循環に及ぼす影響の解明
C11	農業環境の長期モニタリングと簡易・高精度測定手法の開発
C21	農業環境資源インベントリーの構築と活用手法の開発

・著者のうち当所に所属する者を太字で記載した。