

# Index to Volume 61

## Author Index

- Aboud, A. M., and R. C. Hoseney. Differential scanning calorimetry of sugar cookies and cookie doughs, 34
- Abdelrahman, A. A., and R. C. Hoseney. Basis for hardness in pearl millet, grain sorghum, and corn, 232
- Afework, S. *See* F. S. Lai, 327; B. S. Miller, 201; Y. Pomeranz, 559
- Alaksiewicz, F. B. *See* A. J. Peplinski, 60
- Allen, C. E. *See* I. C. Peng, 480
- Altsaar, I. *See* A. A. Urquhart, 105
- Anderson, M. E. *See* R. A. Gutheil, 267
- Anderson, R. A. *See* W. J. Garcia, 360; A. J. Peplinski, 60, 289
- Arioka, K. *See* K. Ikeda, 236
- Asp, N.-G. *See* I. Björck, 174; W. Frølich, 357; M. Nyman, 14
- Avato, P. *See* G. Bianchi, 45
- Bach Knudsen, K. E. *See* M. Nyman, 14
- Bagley, E. B. *See* D. D. Christianson, 500
- Ballance, G. M. *See* C. Nkonge, 316
- Bean, M. M., C. A. Esser, and K. D. Nishita. Some physicochemical and food application characteristics of California waxy rice varieties, 475
- Bekes, F. *See* U. Zawistowski, 527
- Besson, R. *See* T. F. Schweizer, 116
- Bianchi, G., P. Avato, and F. Salamini. Surface waxes from grain, leaves, and husks of maize (*Zea mays* L.), 45
- Bietz, J. A., T. Burnouf, L. A. Cobb, and J. S. Wall. Gliadin analysis by reversed-phase high-performance liquid chromatography: Optimization of extraction conditions, 124
- \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_. Wheat varietal identification and genetic analysis by reversed-phase high-performance liquid chromatography, 129
- \_\_\_\_\_. *See* F. R. Huebner, 554
- Björck, I., M. Nyman, and N.-G. Asp. Extrusion cooking and dietary fiber: Effects on dietary fiber content and on degradation in the rat intestinal tract, 174
- Blake, T. K., S. E. Ullrich, and R. A. Nilan. Purification and characterization of barley D-hordein, 120
- \_\_\_\_\_. Communication to the editor: The amino acid composition of D-hordein, 555
- Bock, M. A., and G. S. Ranhotra. Effects of dietary pectin, phytate, and calcium on selected lipid parameters in the rat, 514
- Bolte, L. C. *See* G. J. Moder, 269; Y. Pomeranz, 559
- Bookwalter, G. N., K. Warner, J. S. Wall, Y. V. Wu, and W. F. Kwolek. Corn distillers' grains and other by-products of alcohol production in blended foods. II. Sensory, stability, and processing studies, 509
- \_\_\_\_\_. *See* J. S. Wall, 504
- Brooker, D. B. *See* R. A. Gutheil, 267
- Bruinsma, B. L., and K. F. Finney. Various oils, surfactants, and their blends as replacements for shortening in breadmaking, 279
- \_\_\_\_\_. *See* K. F. Finney, 402; G. L. Lookhart, 496; G. J. Moder, 269
- Brumell, C. A. *See* A. A. Urquhart, 105
- Burnouf, T. *See* J. A. Bietz, 124, 129
- Burroughs, R. *See* M. Naewbanij, 385
- Bushuk, W. *See* O. M. Lukow, 336, 340; M. M. Youssef, 381; U. Zawistowska, 527
- Cagampang, G. B., and A. W. Kirleis. Relationship of sorghum grain hardness to selected physical and chemical measurements of grain quality, 100
- Carr, M. E. *See* J. E. McGhee, 446
- Casutt, V., K. R. Preston, and R. H. Kilborn. Effects of fermentation time, inherent flour strength, and salt level on extensigraph properties of full formula remix-to-peak processed doughs, 454
- Cherry, J. P. *See* H. F. Marshall, 166
- Ching, T. M. *See* L. V. Reddy, 228
- Chow, F. I. *See* S. T. Omaye, 95
- Christianson, D. D., and E. B. Bagley. Yield stresses in dispersions of swollen, deformable cornstarch granules, 500
- Chung, D. S. *See* M. Naewbanij, 385
- Cloke, J. D., E. A. Davis, and J. Gordon. Relationship of heat transfer and water-loss rates to crumb-structure development as influenced by monoglycerides, 363
- \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_. Water loss during reheating of fresh and stored cakes made with saturated and unsaturated monoglycerides, 371
- \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_. Volume measurements calculated by several methods using cross-sectional tracings of cake, 375
- Clydesdale, F. M., and D. B. Nadeau. Solubilization of iron in cereals by milk and milk fractions, 330
- Cobb, L. A. *See* J. A. Bietz, 124, 129
- Colonna, P., J. L. Doublier, J. P. Melcion, F. de Monredon, and C. Mercier. Extrusion cooking and drum drying of wheat starch. I. Physical and macromolecular modifications, 538.
- Costello, M. J. *See* K. R. Davis, 311
- Crosby, K. D. *See* A. W. Kirleis, 556
- Curley, L. P., and R. C. Hoseney. Effects of corn sweeteners on cookie quality, 274
- D'Appolonia, B. L. *See* L. A. MacArthur, 321; M. J. Wolt, 209, 213
- Davis, A. B., and W. D. Eustace. Scanning electron microscope views of material from various stages in the milling of hard red winter, soft red winter, and durum wheat, 182
- \_\_\_\_\_, and C. S. Lai. Microwave utilization in the rapid determination of flour moisture, 1
- \_\_\_\_\_. *See* C. S. Lai, 428
- Davis, E. A. *See* J. D. Cloke, 363, 371, 375; J. E. Evans, 292; L. E. Pearce, 549
- Davis, K. R., M. J. Costello, V. Mattern, and C. Schroeder. Effect of age of sample and of amino acid supplementation on the *Tetrahymena*-relative nutritive value of lentils, green and yellow split peas, and their processed forms, 311
- Dayton, W. R. *See* I. C. Peng, 480
- Del Vedovo, S. *See* T. F. Schweizer, 116
- de Monredon, F. *See* P. Colonna, 538
- de Padua, M. R., and H. Padua Maroun. Rheological behavior of Venezuelan *arepa* dough from precooked corn flour, 37
- Doherty, C. A. *See* M. M. Morad, 409
- Donelson, J. R., W. T. Yamazaki, and L. T. Kissell. Functionality in white layer cake of lipids from untreated and chlorinated patent flours. II. Flour fraction interchange studies, 88
- Doublier, J. L. *See* P. Colonna, 538
- Eckhoff, S. R. *See* A. J. Peplinski, 289
- Eggum, B. O. *See* M. Nyman, 14
- El-Baya, A. W. *See* Y. Pomeranz, 136
- Endo, S., K. Tanaka, and S. Nagao. Do-Corder studies on dough development. I. Interactions of water absorption, sulfhydryl level, and free lipid content in heated dough, 112
- Esser, C. A. *See* M. M. Bean, 475
- Eustace, W. D. *See* A. B. Davis, 182
- Evans, J. E., J. Gordon, and E. A. Davis. Cross-classification technique applied to the evaluation of cake surface characteristics, 292
- Faridi, H. A., and G. L. Rubenthaler. Effect of baking time and temperature on bread quality, starch gelatinization, and staling of Egyptian balady bread, 151
- Fey, D. A. *See* J. S. Wall, 141
- Finney, K. F. An optimized, straight-dough, bread-making method after 44 years, 20
- \_\_\_\_\_, Y. Pomeranz, and B. L. Bruinsma. Use of algae *Dunaliella* as a protein supplement in bread, 402
- \_\_\_\_\_. *See* B. L. Bruinsma, 279; G. L. Lookhart, 496; G. J. Moder, 269; M. D. Shogren, 179, 418
- Forsberg, R. A. *See* F. S. Karow, 196
- Frølich, W., T. F. Schweizer, and N.-G. Asp. Minerals and phytate in the analysis of dietary fiber from cereals. II, 357
- \_\_\_\_\_. *See* T. F. Schweizer, 116
- Fujii, S. *See* K. Ikeda, 236
- Furuya, E. M., and J. J. Warthesen. Packaging effects on riboflavin content of pasta products in retail markets, 399
- Garcia, W. J., A. J. Peplinski, R. A. Anderson, and G. E. Inglett. Corn food products intrinsically labeled with zinc-65 for studies on bioavailability of zinc in humans, 360
- Ghiasi, K., R. C. Hoseney, K. Zeleznak, and D. E. Rogers. Effect of waxy

- barley starch and reheating on firmness of bread crumb, 281
- Glennie, C. W. Endosperm cell wall modification in sorghum grain during germination, 285
- Gordon, J. See J. D. Cloke, 363, 371, 375; J. E. Evans, 292; L. E. Pearce, 549
- Gumbmann, M. R. See J. S. Wall, 504
- Gutheil, R. A., G. F. Krause, D. B. Brooker, and M. E. Anderson. Effect of corn cultivar and sample variance on the performance of three electronic moisture meters, 267
- Guy, E. J. Evaluation of the bread-baking quality and storage stability of 12% soy-fortified wheat flour containing sweet cheese whey solids, 83
- Heisel, S. See N. Prentice, 203
- Hill, R. D. See H. O. Kim, 406, 432
- Honig, D. H., W. J. Wolf, and J. J. Rackis. Phytic acid and phosphorus content of various soybean protein fractions, 523
- Hoojjat, P., and M. E. Zabik. Sugar-snap cookies prepared with wheat-navy bean-sesame seed flour blends, 41
- Hoseney, R. C. See A. M. Abboud, 34; A. A. Abdelrahman, 232; L. P. Curley, 274; K. Ghiasi, 281; I. Kaced, 187; C. S. Lai, 428; D. V. Neel, 259, 262; M. C. Olewnik, 28
- House, L. R. See D. S. Murty, 415
- Housley, T. L. See A. W. Kirleis, 556
- Hsieh, C. C., and C. E. McDonald. Isolation of lipoxygenase isoenzymes from flour of durum wheat endosperm, 392
- Hsu, K. H. A theoretical approach to the tempering of grains, 466
- Huebner, F. R., and J. A. Bietz. Separation of wheat gliadins by preparative reversed-phase high-performance liquid chromatography, 554
- Hutchinson, D. H., and L. Otten. Equilibrium moisture content of wheat beans, 155
- Ikedo, K., K. Arioka, S. Fujii, T. Kusano, and M. Oku. Effect on buckwheat protein quality of seed germination and changes in trypsin inhibitor content, 236
- Inglett, G. E. See W. J. Garcia, 360
- Jasberg, B. K. See P. E. Neumann, 439
- Johansson, C.-G. See M. Nyman, 14
- Kaced, I., R. C. Hoseney, and E. Varriano-Marston. Factors affecting rancidity in ground pearl millet, 187
- Kadan, R. S., and G. M. Ziegler, Jr. Effects of ingredients on iron distribution in spray-dried experimental soy beverage, 5
- Karow, R. S., R. A. Forsberg, and D. M. Peterson. Note: A comparison of two rapid oat-lipid extraction procedures in terms of fatty-acid profile, 196
- Kathuria, D. K., and J. S. Sidhu. Indian durum wheats. I. Effect of conditioning treatments on the milling quality and composition of semolina, 460
- \_\_\_\_\_, and \_\_\_\_\_. Indian durum wheats. II. Effect of conditioning treatments on the quality of spaghetti, 463
- Khalil, J. K., and W. N. Sawaya. Mineral and vitamin contents of Saudi Arabian pearl millet flour and bread, 301
- Khan, K. Detectability of different classes of gliadins by dye binding and by trichloroacetic acid precipitability, 378
- Kilborn, R. H. See V. Casutt, 454
- Kim, H. O., and R. D. Hill. Modification of wheat flour dough characteristics by cycloheptaamylose, 406
- \_\_\_\_\_, and \_\_\_\_\_. Physical characteristics of wheat starch granule gelatinization in the presence of cycloheptaamylose, 432
- Kim, I. H., and S. K. Kim. Effects of phosphates differing in P<sub>2</sub>O<sub>5</sub> contents on firming rate of cooked rice, 91
- Kim, S. K. See I. H. Kim, 91
- Kirleis, A. W., K. D. Crosby, and T. L. Housley. A method for quantitatively measuring vitreous endosperm area in sectioned sorghum grain, 556
- \_\_\_\_\_, L. E. Sommers, and D. W. Nelson. Yield, heavy metal content, and milling and baking properties of soft red winter wheat grown on soils amended with sewage sludge, 518
- \_\_\_\_\_. See G. B. Cagampang, 100
- Kissell, L. T. See J. R. Donelson, 88
- Krause, G. F. See R. A. Gutheil, 267
- Kroll, R. D. Effect of pH on the binding of calcium ions by soybean proteins, 490
- Kruger, J. E. Rapid analysis of changes in the molecular weight distribution of buffer-soluble proteins during germination of wheat, 205
- \_\_\_\_\_. See B. A. Marchylo, 295, 305
- Kulp, K. See M. E. Olewnik, 532
- Kunerth, W. H., and V. L. Youngs. Effect of variety and growing year on the constituents of durum bran fiber, 350
- \_\_\_\_\_, and \_\_\_\_\_. Modification of the anthrone, carbazole, and orcinol reactions for quantitation of monosaccharides, 344
- Kunze, O. R. See C. N. Nguyen, 63
- Kusano, T. See K. Ikeda, 236
- Kwolek, W. F. See G. N. Bookwalter, 509; J. S. Wall, 504
- Lagoda, A. A. See Y. V. Wu, 423
- Lai, C. S., A. B. Davis, and R. C. Hoseney. Isolation of a fermentation stimulant from yeast-protein concentrate, 428
- \_\_\_\_\_. See A. B. Davis, 1
- Lai, F. S., Y. Pomeranz, D. Traylor, and S. Afework. Mathematical treatment of near-infrared reflectance data for the estimation of protein, 327
- \_\_\_\_\_. See C. R. Martin, 147
- Landry, J. See J. S. Wall, 141
- Liebenberg, N. v. d. W. See J. R. N. Taylor, 69
- Lindell, M. J., and C. E. Walker. Soy enrichment of *chapatties* made from wheat and nonwheat flours, 435
- Lookhart, G. L., K. F. Finney, and B. L. Bruinsma. Polyacrylamide gel electrophoresis of wheat gliadins: The effect of environment and germination, 596
- Lorenz, K. See K. Sedlet, 239
- Lukow, O. M., and W. Bushuk. Influence of germination on wheat quality. I. Functional (breadmaking) and biochemical properties, 336
- \_\_\_\_\_, and \_\_\_\_\_. Influence of germination on wheat quality. II. Modification of endosperm protein, 340
- MacArthur, L. A., and B. L. D'Appolonia. Gamma radiation of wheat. II. Effects of low-dosage radiations on starch properties, 321
- MacGregor, A. W., and J. E. Morgan. Structure of amylopectins isolated from large and small starch granules of normal and waxy barley, 222
- \_\_\_\_\_. See B. A. Marchylo, 305
- Manabe, M. See H. Takahashi, 48
- Marchylo, B. A., and J. E. Kruger. Identification of Canadian barley cultivars by reversed-phase high-performance liquid chromatography, 295
- \_\_\_\_\_, \_\_\_\_\_, and A. W. MacGregor. Production of multiple forms of alpha-amylase in germinated, incubated, whole, de-embryonated wheat kernels, 305
- Marshall, H. F., M. A. Shirer, and J. P. Cherry. Characterization of glandless cottonseed storage proteins by sodium dodecyl sulfate-polyacrylamide gel electrophoresis, 166
- Martin, C. R., D. D. Traylor, and F. S. Lai. Corn hardness determination, 147
- Martinez, W. H. See Z. M. Zarins, 471
- Mathias, M. See K. Sedlet, 239
- Matlashewski, G. J. See A. A. Urquhart, 105
- Matsumoto, H. See T. Mita, 169
- Matsuura, S. See H. Takahashi, 48
- Mattern, V. See K. R. Davis, 311
- McDonald, C. E. See C. C. Hsieh, 392
- McGhee, J. E., M. E. Carr, and G. St. Julian. Continuous bioconversion of starch to ethanol by calcium-alginate immobilized enzymes and yeasts, 446
- Melcion, J. P. See P. Colonna, 538
- Mercier, C. See P. Colonna, 538
- Metzger, R. J. See L. V. Reddy, 228
- Meyer, D. See Y. Pomeranz, 53
- Miller, B. S., Y. Pomeranz, and S. Afework. Note: Hardness (texture) of hard red winter wheat grown in a soft wheat area and of soft red winter wheat grown in a hard wheat area, 201
- Mita, T., and H. Matsumoto. Dynamic viscoelastic properties of concentrated dispersions of gluten and gluten methyl ester: Contributions of glutamine side chain, 169
- Moder, G. J., K. F. Finney, B. L. Bruinsma, J. G. Ponte, Jr., and L. C. Bolte. Bread-making potential of straight-grade and whole-wheat flours of Triumph and Eagle-Plainsman V hard red winter wheats, 269
- Morad, M. M., C. A. Doherty, and L. W. Rooney. Utilization of dried distillers grain from sorghum in baked food systems, 409
- Morgan, J. E. See A. W. MacGregor, 222
- Murty, D. S., V. Subramanian, S. Suryaprakash, H. D. Patil, and L. R. House. Amylase activity and sprout damage in sorghum (*Sorghum bicolor* L. Moench), 415
- Nadeau, D. B. See F. M. Clydesdale, 330
- Naewbanij, M., P. A. Seib, R. Burroughs, L. M. Seitz, and D. S. Chung. Determination of ergosterol using thin-layer chromatography and ultraviolet spectroscopy, 385
- Nagao, S. See S. Endo, 112
- Nanayama, U. See H. Takahashi, 48
- Neel, D. V., and R. C. Hoseney. Factors affecting flowability of hard and

- soft wheat flours, 262  
 \_\_\_\_\_, and \_\_\_\_\_. Sieving characteristics of soft and hard wheat flour, 259
- Nelson, D. W. *See* A. W. Kirleis, 518
- Neryng, A., and P. J. Reilly. Laboratory wet milling of ensiled corn kernels, 8
- Neumann, P. E., B. K. Jasberg, J. S. Wall, and C. E. Walker. Uniquely textured products obtained by coextrusion of corn gluten meal and soy flour, 439  
 \_\_\_\_\_, J. S. Wall, and C. E. Walker. Chemical and physical properties of proteins in wet-milled corn gluten, 353
- Nguyen, C. N., and O. R. Kunze. Fissures related to postdrying treatments in rough rice, 63
- Nilan, R. A. *See* T. K. Blake, 120
- Nishita, K. D. *See* M. M. Bean, 475
- Nkongue, C., and G. M. Ballance. Enzymic solubilization of cereal proteins by commercial proteases, 316
- Norris, K. H., and P. C. Williams. Optimization of mathematical treatments of raw near-infrared signal in the measurement of protein in hard red spring wheat. I. Influence of particle size, 158
- Novellie, L. *See* J. R. N. Taylor, 69
- Nyman, M., M. Siljeström, B. Pedersen, K. E. Bach Knudsen, N.-G. Asp, C.-G. Johansson, and B. O. Eggum. Dietary fiber content and composition in six cereals at different extraction rates, 14  
 \_\_\_\_\_ *See* I. Björck, 174
- Oku, M. *See* K. Ikeda, 236
- Olewnik, M. C., R. C. Hosney, and E. Varriano-Marston. A procedure to produce pearl millet *rotis*, 28  
 \_\_\_\_\_, and K. Kulp. The effect of mixing time and ingredient variation on farinograms of cookie doughs, 532
- Omaye, S. T., and F. I. Chow. Comparison between meal-eating and nibbling rats fed diets containing hard red spring wheat bran: Bioavailability of vitamins A and E and effects on growth, 95
- Otten, L. *See* D. H. Hutchinson, 155
- Padua Maroun, H. *See* M. R. de Padua, 37
- Panchuk, B. D. *See* R. T. Tyler, 192
- Patil, H. D. *See* D. S. Murty, 415
- Paulis, J. W. *See* J. S. Wall, 141
- Pearce, L. E., E. A. Davis, and J. Gordon. Thermal properties and structural characteristics of model cake batters containing nonfat dry milk, 549
- Pedersen, B. *See* M. Nyman, 14
- Peng, I. C., D. W. Quass, W. R. Dayton, and C. E. Allen. The physicochemical and functional properties of soybean 11S globulin—A review, 480
- Peplinski, A. J., R. A. Anderson, and F. B. Alaksiewicz. Corn dry-milling studies: Shortened mill flow and reduced temper time and moisture, 60  
 \_\_\_\_\_, \_\_\_\_\_, and S. R. Eckhoff. A dry-milling evaluation of trickle sulfur-dioxide-treated corn, 289  
 \_\_\_\_\_ *See* W. J. Garcia, 360
- Perten, H. A modified falling-number method suitable for measuring both cereal and fungal alpha-amylase activity, 108
- Peterson, D. M. *See* F. S. Karow, 196
- Phillips, R. D. *See* Z. M. Zarins, 471
- Pillaiyar, P. Note: Applicability of the rapid gel test for indicating the texture of commercial parboiled rice, 255
- Pomeranz, Y., L. C. Bolte, and S. Afework. Time-dependent moisture gradients in conditioned wheat, determined by electric methods, 559  
 \_\_\_\_\_, A. W. El-Baya, W. Seibel, and H. Stephan. Toast bread from defatted wheat flour, 136  
 \_\_\_\_\_, D. Meyer, and W. Seibel. Wheat, wheat-rye, and rye dough and bread studied by scanning electron microscopy, 53  
 \_\_\_\_\_ *See* K. F. Finney, 402; F. S. Lai, 327; B. S. Miller, 201
- Ponte, J. G., Jr. *See* G. J. Moder, 269
- Prentice, N., and S. Heisel. Communication to the editor: A convenient assay for ribonuclease, 203
- Preston, K. R. Gel filtration and characterization of neutral salt extracted wheat gluten proteins varying in hydrophobic properties, 76  
 \_\_\_\_\_ *See* V. Casutt, 454
- Quass, D. W. *See* I. C. Peng, 480
- Rackis, J. J. *See* D. H. Honig, 523
- Ranhotra, G. S. *See* M. A. Bock, 514
- Reddy, L. V., T. M. Ching, and R. J. Metzger. Alpha-amylase activity in wheat kernels matured and germinated under different temperature conditions, 228
- Reilly, P. J. *See* A. Neryng, 8
- Rogers, D. E. *See* K. Ghiasi, 281
- Rooney, L. W. *See* M. M. Morad, 409
- Rubenthaler, G. L. *See* H. A. Faridi, 151
- Sahasrabudhe, M. R. *See* A. A. Urquhart, 105
- St. Julian, G. *See* J. E. McGhee, 446
- Salamini, F. *See* G. Bianchi, 45
- Sawaya, W. N. *See* J. K. Khalil, 301
- Schroeder, C. *See* K. R. Davis, 311
- Schweizer, T. F., W. Frølich, S. Del Vedovo, and R. Besson. Minerals and phytate in the analysis of dietary fiber from cereals. I., 116  
 \_\_\_\_\_ *See* W. Frølich, 357
- Sedlet, K., M. Mathias, and K. Lorenz. Growth-depressing effects of 5-n-pentadecylresorcinol: A model for cereal alkylresorcinols, 239
- Seguchi, M. Comparison of oil-binding ability of different chlorinated starches, 244  
 \_\_\_\_\_ Oil-binding ability of heat-treated wheat starch, 248  
 \_\_\_\_\_ Oil-binding capacity of prime starch from chlorinated wheat flour, 241
- Seib, P. A. *See* M. Naewbanij, 385
- Seibel, W. *See* Y. Pomeranz, 53, 136
- Seitz, L. M. *See* M. Naewbanij, 385
- Shewry, P. R. Communication to the editor: The amino acid composition of D hordein, 555
- Sexson, K. R. *See* Y. V. Wu, 388, 423
- Shirer, M. A. *See* H. F. Marshall, 166
- Shogren, M. D., and K. F. Finney. Bread-making test for 10 grams of flour, 418  
 \_\_\_\_\_, and \_\_\_\_\_. Reproducibility of 100-gram bread volume as affected by correct-side, wrong-side, or both-sides break and shred, 179
- Sidhu, J. S. *See* D. K. Kathuria, 460, 463
- Siljeström, M. *See* M. Nyman, 14
- Sommers, L. E. *See* A. W. Kirleis, 518
- Spink, P. S., M. E. Zabik, and M. A. Uebersax. Dry-roasted air-classified edible bean protein flour use in cake doughnuts, 251
- Stephan, H. *See* Y. Pomeranz, 136
- Subramanian, V. *See* D. S. Murty, 415
- Suryaprakash, S. *See* D. S. Murty, 415
- Takahashi, H., H. Yasaki, U. Nanayama, M. Manabe, and S. Matsuura. Distribution of sterigmatocystin and fungal mycelium in individual brown rice kernels naturally infected by *Aspergillus versicolor*, 48
- Tanaka, K. *See* S. Endo, 112
- Taylor, J. R. N., L. Novellie, and N. v. d. W. Liebenberg. Sorghum protein body composition and ultrastructure, 69
- Traylor, D. *See* F. S. Lai, 327; C. R. Martin, 147
- Tyler, R. T., and B. D. Panchuk. Note: Effect of seed maturity on the air classification of field peas, 192
- Uebersax, M. A. *See* D. S. Spink, 251
- Ullrich, S. E. *See* T. K. Blake, 120
- Urquhart, A. A., C. A. Brumell, I. Altosaar, G. J. Matlashewski, and M. R. Sahasrabudhe. Lipase activity in oats during grain maturation and germination, 105
- Varriano-Marston, E. *See* I. Kaced, 187; M. C. Olewnik, 28
- Walker, C. E. *See* M. J. Lindell, 435; P. E. Neumann, 353, 439
- Wall, J. S., D. A. Fey, J. W. Paulis, and J. Landry. Improved two dimensional electrophoretic separation of zein proteins: Application to study of zein inheritance in corn genotypes, 141  
 \_\_\_\_\_, Y. V. Wu, W. F. Kwolek, G. N. Bookwalter, K. Warner, and M. R. Gumbmann. Corn distillers' grains and other by-products of alcohol production in blended foods. I. Compositional and nutritional studies, 504  
 \_\_\_\_\_ *See* J. A. Bietz, 124, 129; G. N. Bookwalter, 509; P. E. Neumann, 353, 439
- Warner, K. *See* G. N. Bookwalter, 509; J. S. Wall, 504
- Warthesen, J. J. Note: Analysis of saccharides in low-dextrose equivalent starch hydrolysates using high-performance liquid chromatography, 194  
 \_\_\_\_\_ *See* E. M. Furuya, 399
- Weisz, J. *See* P. J. Wood, 73
- Williams, P. C. *See* K. H. Norris, 158
- Wilson, C. M. Note: Isoelectric focusing of zein in agarose, 198
- Wolf, W. J. *See* D. H. Honig, 523
- Wolt, M. J., and B. L. D'Appolonia. Factors involved in the stability of frozen dough. I. The influence of yeast reducing compounds on frozen-dough stability, 209

- \_\_\_\_\_, and \_\_\_\_\_. Factors involved in the stability of frozen dough. II. The effects of yeast type, flour type, and dough additives on frozen-dough stability, 213
- Wood, P. J., and J. Weisz. Use of Calcofluor in analysis of oat beta-D-glucan, 73
- Wu, Y. V., and K. R. Sexson. Fractionation and characterization of protein-rich material from sorghum alcohol distillation, 388
- \_\_\_\_\_, \_\_\_\_\_, and A. A. Lagoda. Protein-rich residue from wheat alcohol distillation: Fractionation and characterization, 423
- \_\_\_\_\_. See G. N. Bookwalter, 509; J. S. Wall, 504
- Yamazaki, W. T. See J. R. Donelson, 88
- Yasaki, H. See H. Takahashi, 48
- Youngs, V. L. See W. H. Kuerth, 344, 350
- Youssef, M. M., and W. Bushuk. Microstructure of the seed coat of faba bean (*Vicia faba* L.) seeds of different cookability, 381
- Zabik, M. E. See P. Hoojjat, 41; P. S. Spink, 251
- Zarins, Z. M., R. D. Phillips, and W. H. Martinez. A rapid procedure for isolation of the 7S storage protein of cottonseed and its characterization, 471
- Zawistowska, U., F. Bekes, and W. Bushuk. Intercultivar variations in lipid content, composition, and distribution and their relation to baking quality, 527
- Zelezna, K. See K. Ghiasi, 281
- Ziegler, G. M., Jr. See R. S. Kadan, 5