

Index of Authors

- ABU MANNEH M.K. *see* HAGGARTY P., MCNEILL G., ABU MANNEH M.K., DAVIDSON L., MILNE E., DUNCAN G. & ASHTON J. The influence of exercise on the energy requirements of adult males in the UK. 799
- ALEMANY Marià *see* RAFECAS Immaculada, ESTEVE Montserrat, FERNÁNDEZ-LÓPEZ José-Antonio, REMESAR Xavier & ALEMANY Marià Whole-rat protein content estimation: applicability of the $N \times 6.25$ factor. 199
- ALLAN G.F. *see* PINE A.P., JESSOP N.S., ALLAN G.F. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 2. Effects of dietary protein restriction during gestation and lactation on tissue protein metabolism and Na^+K^+ -ATPase (*EC* 3.6.1.3) activity. 181
- ALLAN G.F. *see* PINE A.P., JESSOP N.S., ALLAN G.F. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 4. Tissue protein synthesis and turnover associated with mobilization of maternal protein. 831
- ALLISON G. *see* BATES C.J., EVANS P.H., ALLISON G., SONKO B.J., HOARE S., GOODRICH S. & ASPRAY T. Biochemical indices and neuromuscular function tests in rural Gambian schoolchildren given a riboflavin, or multivitamin plus iron, supplement. 601
- APPLEBAUM Shalom W. *see* HAREL Moti, TANDLER Amos, KISSIL G.W. & APPLEBAUM Shalom W. The kinetics of nutrient incorporation into body tissues of gilthead seabream (*Sparus aurata*) females and the subsequent effects on egg composition and egg quality. 45
- ARANDA Pilar *see* PLANELLS Elena, ARANDA Pilar, LERMA Ana & LLOPIS Juan Changes in bioavailability and tissue distribution of zinc caused by magnesium deficiency in rats. 315
- ARNAUD J. *see* FAURE H., LEVERVE X., ARNAUD J., BOUJET C. & FAVIER A. Zinc changes in blood and urine during cyclic parenteral nutrition: relationships with amino acid metabolism. 763
- ARYA P. *see* TANEJA S.K. & ARYA P. Lipid deposition in intestine as a possible cause of malabsorption of nutrients in zinc-deficient common carp (*Cyprinus carpio*). 753
- ASHTON J. *see* HAGGARTY P., MCNEILL G., ABU MANNEH M.K., DAVIDSON L., MILNE E., DUNCAN G. & ASHTON J. The influence of exercise on the energy requirements of adult males in the UK. 799
- ASPRAY T. *see* BATES C.J., EVANS P.H., ALLISON G., SONKO B.J., HOARE S., GOODRICH S. & ASPRAY T. Biochemical indices and neuromuscular function tests in rural Gambian schoolchildren given a riboflavin, or multivitamin plus iron, supplement. 601
- ATEGBO Eric-Alain D. *see* VAN LIERE Marti J., ATEGBO Eric-Alain D., HOORWEG Jan, DEN HARTOG Adel P. & HAUTVAST Joseph G.A.J. The significance of socio-economic characteristics for adult seasonal body-weight fluctuations: a study in north-western Benin. 479
- ATKINSON M. *see* NELSON M., ATKINSON M. & DARBYSHIRE S. Food photography I: the perception of food portion size from photographs. 649
- BACH KNUDSEN K.E. *see* JOHANSEN Helle N. & BACH KNUDSEN K.E. Effects of wheat-flour and oat mill fractions on jejunal flow, starch degradation and absorption of glucose over an isolated loop of jejunum in pigs. 299
- BACH KNUDSEN K.E. *see* JOHANSEN H.N. & BACH KNUDSEN K.E. Effects of reducing the starch content in oat-based diets with cellulose on jejunal flow and absorption of glucose over an isolated loop of jejunum in pigs. 717
- BACKWELL F.R.C. *see* BEQUETTE B.J., BACKWELL F.R.C., DHANOA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- BAGLIERI Agnes, MAHE Sylvain, ZIDI Semia, HUNEAU Jean-Francois, THUILLIER Francois, MARTEAU Philippe & TOME Daniel Gastro-jejunal digestion of soya-bean-milk protein in humans. 519
- BAILEY Angela L., FINGLAS P.M., WRIGHT A.J.A. & SOUTHON Susan Thiamin intake, erythrocyte transketolase (*EC* 2.2.1.1) activity and total erythrocyte thiamin in adolescents. 111
- BAKALIOU F. *see* NELSON M., BAKALIOU F. & TRIVEDI A. Iron-deficiency anaemia and physical performance in adolescent girls from different ethnic backgrounds. 427
- BALLARD F. John *see* CLARK Dallas, TOMAS Frank, WITHERS Robert T., CHANDLER C., BRINKMAN Menno, PHILLIPS John, BERRY Michael, BALLARD F. John & NESTEL Paul Energy metabolism in free-living, 'large-eating' and 'small-eating' women: studies using $^2H_2^{18}O$. 21
- BARBER Teresa *see* ESTORNELL Ernesto, BARBER Teresa & CABO José Protein synthesis *in vivo* in rats fed on lipid-rich liquid diets. 509

- BARRY T.N. *see* TERRILL T.H., WAGHORN G.C., WOOLLEY D.J., MCNABB W.C. & BARRY T.N. Assay and digestion of ^{14}C -labelled condensed tannins in the gastrointestinal tract of sheep. 467
- BARRY T.N. *see* WANG Yuxi, WAGHORN G.C., BARRY T.N. & SHELTON I.D. The effect of condensed tannins in *Lotus corniculatus* on plasma metabolism of methionine, cystine and inorganic sulphate by sheep. 923
- BATES C.J., EVANS P.H., ALLISON G., SONKO B.J., HOARE S., GOODRICH S. & ASPRAY T. Biochemical indices and neuromuscular function tests in rural Gambian schoolchildren given a riboflavin, or multivitamin plus iron, supplement. 601
- BATES C.J. & TSUCHIYA H. Ascorbic acid deficiency in guinea pigs: contrasting effects of tissue ascorbic acid depletion and of associated inanition on status indices related to collagen and vitamin D. 745
- BATTERHAM The Late E.S. *see* VAN BARNEVELD R.J., BATTERHAM The Late E.S. & NORTON B.W. The effect of heat on amino acids for growing pigs 1. A comparison of ileal and faecal digestibilities of amino acids in raw and heat-treated field peas (*Pisum sativum* cultivar Dundale). 221
- BATTERHAM The Late E.S. *see* VAN BARNEVELD R.J., BATTERHAM The Late E.S. & NORTON B.W. The effect of heat on amino acids for growing pigs 2. Utilization of ileal-digestible lysine from heat-treated field peas (*Pisum sativum* cultivar Dundale) 243
- BATTERHAM The Late E.S. *see* VAN BARNEVELD R.J., BATTERHAM The Late E.S. & NORTON B.W. The effect of heat on amino acids for growing pigs 3. The availability of lysine from heat-treated field peas (*Pisum sativum* cultivar Dundale) determined using the slope-ratio assay. 257
- BEETY J.M. *see* OVERTON P.D., FURLONGER N., BEETY J.M., CHAKRABORTY J., TREDGER J.A. & MORGAN L.M. The effects of dietary sugar-beet fibre and guar gum on lipid metabolism in Wistar rats. 385
- BEEVER D.E. *see* BEQUETTE B.J., BACKWELL F.R.C., DHANOA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- BELLEVILLE Jacques *see* KHALIFA Fatima, PROST Josiane, BELLEVILLE Jacques & SARDA Louis Pancreatic digestive hydrolase activities in growing rats fed alternately on raw and heated soya-bean flour. 533
- BEQUETTE B.J., BACKWELL F.R.C., DHANOA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- BERRY Michael *see* CLARK Dallas, TOMAS Frank, WITHERS Robert T., CHANDLER C., BRINKMAN Menno, PHILLIPS John, BERRY Michael, BALLARD F. John & NESTEL Paul Energy metabolism in free-living, 'large-eating' and 'small-eating' women: studies using $^2\text{H}_2^{18}\text{O}$. 21
- BEYNEN Anton C. *see* VAN DER HEIJDEN Annet, VAN DEN BERG Gerrit J., LEMMENS Arnoldina G. & BEYNEN Anton C. Dietary fructose *v.* glucose in rats raises urinary excretion, true absorption and ileal solubility of magnesium but decreases magnesium retention. 567
- BINGHAM S.A., GILL C., WELCH A., DAY K., CASSIDY A., KHAW K.T., SNEYD M.J., KEY T.J.A., ROE L. & DAY N.E. Comparison of dietary assessment methods in nutritional epidemiology: weighed records *v.* 24 h recalls, food-frequency questionnaires and estimated-diet records. 619
- BJERVE Kristian S. *see* HAUGEN Margaretha A., KJELDSSEN-KRAGH Jens, BJERVE Kristian S., HØSTMARK Arne T. & FØRRE Øystein Changes in plasma phospholipid fatty acids and their relationship to disease activity in rheumatoid arthritis patients treated with a vegetarian diet. 555
- BLAKLEY Barry R. *see* OMARA Felix O. & BLAKLEY Barry R. The effects of iron deficiency and iron overload on cell-mediated immunity in the mouse. 899
- BLIX A.S. *see* MÅRTENSSON P.-E., NORDØY E.S. & BLIX A.S. Digestibility of krill (*Euphausia superba* and *Thysanoessa* sp.) in minke whales (*Balaenoptera acutorostrata*) and crabeater seals (*Lobodon carcinophagus*). 713
- BONTA I.L. *see* GARRELDs I.M., ELLIOTT G.R., ZULSTRA F.J. & BONTA I.L. Effects of short- and long-term feeding of L-carnitine and congeners on the production of eicosanoids from rat peritoneal leucocytes. 785
- BOREHAM C.A.G. *see* STRAIN J.J., ROBSON P.J., LIVINGSTONE M.B.E., PRIMROSE E.D., SAVAGE J.M., CRAN G.W. & BOREHAM C.A.G. Estimates of food and macronutrient intake in a random sample of Northern Ireland adolescents. 343
- BORIES Phuong Nhi & CAMPILLO Bernard One-month regular oral nutrition in alcoholic cirrhotic patients. Changes of nutritional status, hepatic function and serum lipid pattern. 937
- BOUJET C. *see* FAURE H., LEVERVE X., ARNAUD J., BOUJET C. & FAVIER A. Zinc changes in blood and urine during cyclic parenteral nutrition: relationships with amino acid metabolism. 763
- BRAATEN J.T. *see* WOOD P.J., BRAATEN J.T., SCOTT F.W., RIEDEL K.D., WOLYNETZ M.S. & COLLINS M.W.

- Effect of dose and modification of viscous properties of oat gum on plasma glucose and insulin following an oral glucose load. 731
- BRINKMAN Menno *see* CLARK Dallas, TOMAS Frank, WITHERS Robert T., CHANDLER C., BRINKMAN Menno, PHILLIPS John, BERRY Michael, BALLARD F. John & NESTEL Paul Energy metabolism in free-living, 'large-eating' and 'small-eating' women: studies using $^2\text{H}_2^{18}\text{O}$. 21
- BROWN N.J., GREENBURGH A. & TOMLIN J. The effects of pectin and wheat bran on the distribution of a meal in the gastrointestinal tract of the rat. 289
- BUSS David H. *see* LEE Susan M., LEWIS Janet, BUSS David H., HOLCOMBE Gillian D. & LAWRANCE Paul R. Iodine in British foods and diets. 435
- CABO José *see* ESTORNELL Ernesto, BARBER Teresa & CABO José Protein synthesis *in vivo* in rats fed on lipid-rich liquid diets. 509
- CALDER A.G. *see* BEQUETTE B.J., BACKWELL F.R.C., DHANOA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- CAMPBELL Norman R.C., HASINOFF Brian B., SINGH Mukhtiar & ROBERTSON Susan Ferrous sulphate does not directly affect pteroylmonoglutamic acid absorption in rats. 447
- CAMPILLO Bernard *see* BORIES Phuong Nhi & CAMPILLO Bernard One-month regular oral nutrition in alcoholic cirrhotic patients. Changes of nutritional status, hepatic function and serum lipid pattern. 937
- CASSIDY A. *see* BINGHAM S.A., GILL C., WELCH A., DAY K., CASSIDY A., KHAW K.T., SNEYD M.J., KEY T.J.A., ROE L. & DAY N.E. Comparison of dietary assessment methods in nutritional epidemiology: weighed records v. 24 h recalls, food-frequency questionnaires and estimated-diet records. 619
- CEDERBLAD Å. *see* PETTERSON D.S., SANDSTRÖM B. & CEDERBLAD Å. Absorption of zinc from lupin (*Lupinus angustifolius*)-based foods. 865
- CHAKRABORTY J. *see* OVERTON P.D., FURLONGER N., BEETY J.M., CHAKRABORTY J., TREDGER J.A. & MORGAN L.M. The effects of dietary sugar-beet fibre and guar gum on lipid metabolism in Wistar rats. 385
- CHANDLER C. *see* CLARK Dallas, TOMAS Frank, WITHERS Robert T., CHANDLER C., BRINKMAN Menno, PHILLIPS John, BERRY Michael, BALLARD F. John & NESTEL Paul Energy metabolism in free-living, 'large-eating' and 'small-eating' women: studies using $^2\text{H}_2^{18}\text{O}$. 21
- CLARK Dallas, TOMAS Frank, WITHERS Robert T., CHANDLER C., BRINKMAN Menno, PHILLIPS John, BERRY Michael, BALLARD F. John & NESTEL Paul Energy metabolism in free-living, 'large-eating' and 'small-eating' women: studies using $^2\text{H}_2^{18}\text{O}$. 21
- COLLINS M.W. *see* WOOD P.J., BRAATEN J.T., SCOTT F.W., RIEDEL K.D., WOLYNETZ M.S. & COLLINS M.W. Effect of dose and modification of viscous properties of oat gum on plasma glucose and insulin following an oral glucose load. 731
- COOP R.L. *see* KYRIAZAKIS I., OLDHAM J.D., COOP R.L. & JACKSON F. The effect of subclinical intestinal nematode infection on the diet selection of growing sheep. 665
- COPPACK Simon W. *see* POTTS Jennifer L., HUMPHREYS Sandy M., COPPACK Simon W., FISHER Rachel M., GIBBONS Geoffrey F. & FRAYN Keith N. Fasting plasma triacylglycerol concentrations predict adverse changes in lipoprotein metabolism after a normal meal. 101
- COWARD W.A. *see* RITZ P., JOHNSON P.G. & COWARD W.A. Measurements of ^2H and ^{18}O in body water: analytical considerations and physiological implications. 3
- COWARD W.A. *see* DAVIES Peter S.W., COWARD W.A., GREGORY J., WHITE A. & MILLS A. Total energy expenditure and energy intake in the pre-school child: a comparison. 13
- CRAN G.W. *see* STRAIN J.J., ROBSON P.J., LIVINGSTONE M.B.E., PRIMROSE E.D., SAVAGE J.M., CRAN G.W. & BOREHAM C.A.G. Estimates of food and macronutrient intake in a random sample of Northern Ireland adolescents. 343
- DANIEL Martina *see* WISKER Elisabeth, SCHWEIZER Thomas F., DANIEL Martina & FELDHEIM Walter Fibre-mediated physiological effects of raw and processed carrots in humans. 579
- DANSE Berry H.J.C. *see* FARWER Sandra R., DER BOER Bernardus C.J., HADDEMAN Edward, KIVITS Gerardus A.A., WIERSMA Antoon & DANSE Berry H.J.C. The vitamin E nutritional status of rats fed on diets high in fish oil, linseed oil or sunflower seed oil. 127
- DARBYSHIRE S. *see* NELSON M., ATKINSON M. & DARBYSHIRE S. Food photography I: the perception of food portion size from photographs. 649
- DAVIDSON L. *see* HAGGARTY P., MCNEILL G., ABU MANNEH M.K., DAVIDSON L., MILNE E., DUNCAN G. & ASHTON J. The influence of exercise on the energy requirements of adult males in the UK. 799
- DAVIES Peter S.W., COWARD W.A., GREGORY J., WHITE A. & MILLS A. Total energy expenditure and energy intake in the pre-school child: a comparison. 13

- DAVIS Teresa A., NGUYEN H.V., GARCIA-BRAVO R., FIOROTTO M.L., JACKSON Evelyn M. & REEDS Peter J. Amino acid composition of the milk of some mammalian species changes with stage of lactation. 845
- DAY K. *see* BINGHAM S.A., GILL C., WELCH A., DAY K., CASSIDY A., KHAW K.T., SNEYD M.J., KEY T.J.A., ROE L. & DAY N.E. Comparison of dietary assessment methods in nutritional epidemiology: weighed records v. 24 h recalls, food-frequency questionnaires and estimated-diet records. 619
- DAY N.E. *see* BINGHAM S.A., GILL C., WELCH A., DAY K., CASSIDY A., KHAW K.T., SNEYD M.J., KEY T.J.A., ROE L. & DAY N.E. Comparison of dietary assessment methods in nutritional epidemiology: weighed records v. 24 h recalls, food-frequency questionnaires and estimated-diet records. 619
- DEN HARTOG Adel P. *see* VAN LIERE Marti J., ATEGBO Eric-Alain D., HOORWEG Jan, DEN HARTOG Adel P. & HAUTVAST Joseph G.A.J. The significance of socio-economic characteristics for adult seasonal body-weight fluctuations: a study in north-western Benin. 479
- DER BOER Bernardus C.J. *see* FARWER Sandra R., DER BOER Bernardus C.J., HADDEMAN Edward, KIVITS Gerardus A.A., WIERSMA Antoon & DANSE Berry H.J.C. The vitamin E nutritional status of rats fed on diets high in fish oil, linseed oil or sunflower seed oil. 127
- DEVERY Jannine & MILBORROW B.V. β -Carotene-15,15'-dioxygenase (EC 1.13.11.21) isolation reaction mechanism and an improved assay procedure. 397
- DHANOVA M.S. *see* BEQUETTE B.J., BACKWELL F.R.C., DHANOVA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- DHORNE T. *see* GUILLOT E., LEMARCHAL P., DHORNE T. & RERAT A. Intestinal absorption of medium chain fatty acids: *in vivo* studies in pigs devoid of exocrine pancreatic secretion. 545
- DUKSTRA J. Simulation of the dynamics of protozoa in the rumen. 679
- DISILVESTRO Robert A. *see* PARSONS Susan E. & DISILVESTRO Robert A. Effects of mild zinc deficiency, plus or minus an acute-phase response, on galactosamine-induced hepatitis in rats. 611
- DONKOH A. & MOUGHAN P.J. The effect of dietary crude protein content on apparent and true ileal nitrogen and amino acid digestibilities. 59
- DRITTU-REIJNDERS M.J. *see* THIJSEN H.H.W. & DRITTU-REIJNDERS M.J. Vitamin K distribution in rat tissues: dietary phyloquinone is a source of tissue menaquinone-4. 415
- DUNCAN G. *see* HAGGARTY P., MCNEILL G., ABU MANNEH M.K., DAVIDSON L., MILNE E., DUNCAN G. & ASHTON J. The influence of exercise on the energy requirements of adult males in the UK. 799
- DURNIN J.V.G.A. *see* REILLY J.J., MURRAY L.A., WILSON J. & DURNIN J.V.G.A. Measuring the body composition of elderly subjects: a comparison of methods. 33
- DWYER Catherine M. & STICKLAND Neil C. Supplementation of a restricted maternal diet with protein or carbohydrate alone prevents a reduction in fetal muscle fibre number in the guinea-pig. 173
- DWYER Terry M. *see* McCABE Richard D., SMITH Manis J. Jr & DWYER Terry M. Faecal dry weight and potassium are related to faecal sodium and plasma aldosterone in rats chronically fed on varying amounts of sodium or potassium chlorides. 325
- EAGLES John *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 883
- EALING Paul M. *see* HANCOCK Kerrie R., EALING Paul M. & WHITE Derek W.R. Identification of sulphur-rich proteins which resist rumen degradation and are hydrolysed rapidly by intestinal proteases. 855
- ELLIOTT G.R. *see* GARRELDs I.M., ELLIOTT G.R., ZIJLSTRA F.J. & BONTA I.L. Effects of short- and long-term feeding of L-carnitine and congeners on the production of eicosanoids from rat peritoneal leucocytes. 785
- ELSNER P. *see* NIELSEN K., KONDRUP J., ELSNER P., JUUL A. & JENSEN E.S. Casein and soya-bean protein have different effects on whole body protein turnover at the same nitrogen balance. 69
- ESTEVE Montserrat *see* RAFECAS Immaculada, ESTEVE Montserrat, FERNÁNDEZ-LÓPEZ José-Antonio, REMESAR Xavier & ALEMANY Marià Whole-rat protein content estimation: applicability of the $\text{N} \times 6.25$ factor. 199
- ESTORNELL Ernesto, BARBER Teresa & CABO José Protein synthesis *in vivo* in rats fed on lipid-rich liquid diets. 509
- EVANS P.H. *see* BATES C.J., EVANS P.H., ALLISON G., SONKO B.J., HOARE S., GOODRICH S. & ASPRAY T. Biochemical indices and neuromuscular function tests in rural Gambian schoolchildren given a riboflavin, or multivitamin plus iron, supplement. 601

- FAIRWEATHER-TAIT Susan J. *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 883
- FARWER Sandra R., DER BOER Bernardus C.J., HADDEMAN Edward, KIVITS Gerardus A.A., WIERSMA Antoon & DANSE Berry H.J.C. The vitamin E nutritional status of rats fed on diets high in fish oil, linseed oil or sunflower seed oil. 127
- FAURE H., LEVERVE X., ARNAUD J., BOUJET C. & FAVIER A. Zinc changes in blood and urine during cyclic parenteral nutrition: relationships with amino acid metabolism. 763
- FAVIER A. *see* FAURE H., LEVERVE X., ARNAUD J., BOUJET C. & FAVIER A. Zinc changes in blood and urine during cyclic parenteral nutrition: relationships with amino acid metabolism. 763
- FELDHEIM Walter *see* WISKER Elisabeth, SCHWEIZER Thomas F., DANIEL Martina & FELDHEIM Walter Fibre-mediated physiological effects of raw and processed carrots in humans. 579
- FERN E.B. *see* WATERLOW J.C., JACKSON A.A., GOLDEN M.H.N., JAHOR F., SUTTON G. & FERN E.B. The effect of acidosis on the labelling of urinary ammonia during infusion of [amide- ^{15}N]glutamine in human subjects. 83
- FERNÁNDEZ-FÍGARES I. *see* NIETO R., PALMER R.M., FERNÁNDEZ-FÍGARES I., PÉREZ L. & PRIETO C. Effect of dietary protein quality, feed restriction and short-term fasting on protein synthesis and turnover in tissues of the growing chicken. 499
- FERNÁNDEZ-LÓPEZ José-Antonio *see* RAFECAS Immaculada, ESTEVE Montserrat, FERNÁNDEZ-LÓPEZ José-Antonio, REMESAR Xavier & ALEMANY Marià Whole-rat protein content estimation: applicability of the $\text{N} \times 6.25$ factor. 199
- FERRELL C.L. *see* GOETSCH A.L., FERRELL C.L. & FREETLY H.C. Effects of different supplements on splanchnic oxygen consumption and net fluxes of nutrients in sheep consuming bromegrass (*Bromus inermis*) hay *ad libitum*. 701
- FINGLAS P.M. *see* BAILEY Angela L., FINGLAS P.M., WRIGHT A.J.A. & SOUTHON Susan Thiamin intake, erythrocyte transketolase (EC 2.2.1.1) activity and total erythrocyte thiamin in adolescents. 111
- FIOROTTO M.L. *see* DAVIS Teresa A., NGUYEN H.V., GARCIA-BRAVO R., FIOROTTO M.L., JACKSON Evelyn M. & REEDS Peter J. Amino acid composition of the milk of some mammalian species changes with stage of lactation. 845
- FISHER Rachel M. *see* POTTS Jennifer L., HUMPHREYS Sandy M., COPPACK Simon W., FISHER Rachel M., GIBBONS Geoffrey F. & FRAYN Keith N. Fasting plasma triacylglycerol concentrations predict adverse changes in lipoprotein metabolism after a normal meal. 101
- FLECK A. *see* WEIDEL S.E., SMITH G. & FLECK A. The effects of experimental malnutrition on albumin metabolism and distribution in rabbits. 369
- FØRRE Øystein *see* HAUGEN Margaretha A., KJELDSEN-KRAGH Jens, BJERVE Kristian S., HØSTMARK Arne T. & FØRRE Øystein Changes in plasma phospholipid fatty acids and their relationship to disease activity in rheumatoid arthritis patients treated with a vegetarian diet. 555
- FOX Tom *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 883
- FRAYN Keith N. *see* POTTS Jennifer L., HUMPHREYS Sandy M., COPPACK Simon W., FISHER Rachel M., GIBBONS Geoffrey F. & FRAYN Keith N. Fasting plasma triacylglycerol concentrations predict adverse changes in lipoprotein metabolism after a normal meal. 101
- FREETLY H.C. *see* GOETSCH A.L., FERRELL C.L. & FREETLY H.C. Effects of different supplements on splanchnic oxygen consumption and net fluxes of nutrients in sheep consuming bromegrass (*Bromus inermis*) hay *ad libitum*. 701
- FURLONGER N. *see* OVERTON P.D., FURLONGER N., BEETY J.M., CHAKRABORTY J., TREDGER J.A. & MORGAN L.M. The effects of dietary sugar-beet fibre and guar gum on lipid metabolism in Wistar rats. 385
- GARCIA-BRAVO R. *see* DAVIS Teresa A., NGUYEN H.V., GARCIA-BRAVO R., FIOROTTO M.L., JACKSON Evelyn M. & REEDS Peter J. Amino acid composition of the milk of some mammalian species changes with stage of lactation. 845
- GARRELDs I.M., ELLIOTT G.R., ZIJLSTRA F.J. & BONTA I.L. Effects of short- and long-term feeding of L-carnitine and congeners on the production of eicosanoids from rat peritoneal leucocytes. 785
- GIBBONS Geoffrey F. *see* POTTS Jennifer L., HUMPHREYS Sandy M., COPPACK Simon W., FISHER Rachel M.,

- GIBBONS Geoffrey F. & FRAYN Keith N. Fasting plasma triacylglycerol concentrations predict adverse changes in lipoprotein metabolism after a normal meal. 101
- GILL C. *see* BINGHAM S.A., GILL C., WELCH A., DAY K., CASSIDY A., KHAW K.T., SNEYD M.J., KEY T.J.A., ROE L. & DAY N.E. Comparison of dietary assessment methods in nutritional epidemiology: weighed records v. 24 h recalls, food-frequency questionnaires and estimated-diet records. 619
- GIRARD Christiane L. *see* MATTE J. Jacques & GIRARD Christiane L. Pteroylglutamic (folic) acid in different feedstuffs: the pteroylglutamate content and an attempt to measure the bioavailability in pigs. 911
- GOETSCH A.L., FERRELL C.L. & FRETLY H.C. Effects of different supplements on splanchnic oxygen consumption and net fluxes of nutrients in sheep consuming bromegrass (*Bromus inermis*) hay *ad libitum*. 701
- GOLDEN M.H.N. *see* WATERLOW J.C., JACKSON A.A., GOLDEN M.H.N., JAHOOOR F., SUTTON G. & FERN E.B. The effect of acidosis on the labelling of urinary ammonia during infusion of [amide-¹⁵N]glutamine in human subjects. 83
- GOODRICH S. *see* BATES C.J., EVANS P.H., ALLISON G., SONKO B.J., HOARE S., GOODRICH S. & ASPRAY T. Biochemical indices and neuromuscular function tests in rural Gambian schoolchildren given a riboflavin, or multivitamin plus iron, supplement. 601
- GREENBURGH A. *see* BROWN N.J., GREENBURGH A. & TOMLIN J. The effects of pectin and wheat bran on the distribution of a meal in the gastrointestinal tract of the rat. 289
- GREGORY J. *see* DAVIES Peter S.W., COWARD W.A., GREGORY J., WHITE A. & MILLS A. Total energy expenditure and energy intake in the pre-school child: a comparison. 13
- GUILLOT E., LEMARCHAL P., DHORNE T. & RERAT A. Intestinal absorption of medium chain fatty acids: *in vivo* studies in pigs devoid of exocrine pancreatic secretion. 545
- GUXIN Qin *see* MAKKINK Caroline A., NEGULESCU George Puia, GUXIN Qin & VERSTEGEN Martin W.A. Effect of dietary protein source on feed intake, growth, pancreatic enzyme activities and jejunal morphology in newly-weaned piglets. 353
- HADDEMAN Edward *see* FARWER Sandra R., DER BOER Bernardus C.J., HADDEMAN Edward, KIVITS Gerardus A.A., WIERSMA Antoon & DANSE Berry H.J.C. The vitamin E nutritional status of rats fed on diets high in fish oil, linseed oil or sunflower seed oil. 127
- HAGGARTY P., MCNEILL G., ABU MANNEH M.K., DAVIDSON L., MILNE E., DUNCAN G. & ASHTON J. The influence of exercise on the energy requirements of adult males in the UK. 799
- HANCOCK Kerrie R., EALING Paul M. & WHITE Derek W.R. Identification of sulphur-rich proteins which resist rumen degradation and are hydrolysed rapidly by intestinal proteases. 855
- HAREL Moti, TANDLER Amos, KISSIL G.W. & APPLEBAUM Shalom W. The kinetics of nutrient incorporation into body tissues of gilthead seabream (*Sparus aurata*) females and the subsequent effects on egg composition and egg quality. 45
- HASINOFF Brian B. *see* CAMPBELL Norman R.C., HASINOFF Brian B., SINGH Mukhtiar & ROBERTSON Susan Ferrous sulphate does not directly affect pteroylmonoglutamic acid absorption in rats. 447
- HAUGEN Margaretha A., KJELDEN-KRAGH Jens, BJERVE Kristian S., HØSTMARK Arne T. & FØRRE Øystein Changes in plasma phospholipid fatty acids and their relationship to disease activity in rheumatoid arthritis patients treated with a vegetarian diet. 555
- HAUTVAST Joseph G.A.J. *see* VAN LIERE Marti J., ATEGBO Eric-Alain D., HOORWEG Jan, DEN HARTOG Adel P. & HAUTVAST Joseph G.A.J. The significance of socio-economic characteristics for adult seasonal body-weight fluctuations: a study in north-western Benin. 479
- HOARE S. *see* BATES C.J., EVANS P.H., ALLISON G., SONKO B.J., HOARE S., GOODRICH S. & ASPRAY T. Biochemical indices and neuromuscular function tests in rural Gambian schoolchildren given a riboflavin, or multivitamin plus iron, supplement. 601
- HOLCOMBE Gillian D. *see* LEE Susan M., LEWIS Janet, BUSS David H., HOLCOMBE Gillian D. & LAWRENCE Paul R. Iodine in British foods and diets. 435
- HOORWEG Jan *see* VAN LIERE Marti J., ATEGBO Eric-Alain D., HOORWEG Jan, DEN HARTOG Adel P. & HAUTVAST Joseph G.A.J. The significance of socio-economic characteristics for adult seasonal body-weight fluctuations: a study in north-western Benin. 479
- HØSTMARK Arne T. *see* HAUGEN Margaretha A., KJELDEN-KRAGH Jens, BJERVE Kristian S., HØSTMARK Arne T. & FØRRE Øystein Changes in plasma phospholipid fatty acids and their relationship to disease activity in rheumatoid arthritis patients treated with a vegetarian diet. 555
- HUMPHREYS Sandy M. *see* POTTS Jennifer L., HUMPHREYS Sandy M., COPPACK Simon W., FISHER Rachel M., GIBBONS Geoffrey F. & FRAYN Keith N. Fasting plasma triacylglycerol concentrations predict adverse changes in lipoprotein metabolism after a normal meal. 101

- HUNEAU Jean-Francois *see* BAGLIERI Agnes, MAHE Sylvain, ZIDI Semia, HUNEAU Jean-Francois, THUILLIER Francoise, MARTEAU Philippe & TOME Daniel Gastro-jejunal digestion of soya-bean-milk protein in humans. 519
- IDE T., KANO S., MURATA M., YANAGITA T. & SUGANO M. Dietary modifications of the biliary bile acid glycine:taurine ratio and activity of hepatic bile acid-CoA: amino acid *N*-acyltransferase (*EC* 2.3.1) in the rat. 93
- IKEDA I. *see* SUGANO M., IKEDA I., WAKAMATSU K. & OKA T. Influence of Korean pine (*Pinus koraiensis*)-seed oil containing *cis*-5,*cis*-9,*cis*-12-octadecatrienoic acid on polyunsaturated fatty acid metabolism, eicosanoid production and blood pressure of rats. 775
- JACKSON A.A. *see* WATERLOW J.C., JACKSON A.A., GOLDEN M.H.N., JAHOOOR F., SUTTON G. & FERN E.B. The effect of acidosis on the labelling of urinary ammonia during infusion of [amide-¹⁵N]glutamine in human subjects. 83
- JACKSON Evelyn M. *see* DAVIS Teresa A., NGUYEN H.V., GARCIA-BRAVO R., FIOROTTO M.L., JACKSON Evelyn M. & REEDS Peter J. Amino acid composition of the milk of some mammalian species changes with stage of lactation. 845
- JACKSON F. *see* KYRIAZAKIS I., OLDHAM J.D., COOP R.L. & JACKSON F. The effect of subclinical intestinal nematode infection on the diet selection of growing sheep. 665
- JAHOOOR F. *see* WATERLOW J.C., JACKSON A.A., GOLDEN M.H.N., JAHOOOR F., SUTTON G. & FERN E.B. The effect of acidosis on the labelling of urinary ammonia during infusion of [amide-¹⁵N]glutamine in human subjects. 83
- JENSEN E.S. *see* NIELSEN K., KONDRUP J., ELSNER P., JUUL A. & JENSEN E.S. Casein and soya-bean protein have different effects on whole body protein turnover at the same nitrogen balance. 69
- JESSOP N.S. *see* PINE A.P., JESSOP N.S., ALLAN G.F. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 2. Effects of dietary protein restriction during gestation and lactation on tissue protein metabolism and Na⁺,K⁺-ATPase (*EC* 3.6.1.3) activity. 181
- JESSOP N.S. *see* PINE A.P., JESSOP N.S. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 3. The effects of dietary protein restriction and stage of lactation on milk composition. 815
- JESSOP N.S. *see* PINE A.P., JESSOP N.S., ALLAN G.F. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 4. Tissue protein synthesis and turnover associated with mobilization of maternal protein. 831
- JOHANSEN Helle N. & BACH KNUDSEN K.E. Effects of wheat-flour and oat mill fractions on jejunal flow, starch degradation and absorption of glucose over an isolated loop of jejunum in pigs. 299
- JOHANSEN H.N. & BACH KNUDSEN K.E. Effects of reducing the starch content in oat-based diets with cellulose on jejunal flow and absorption of glucose over an isolated loop of jejunum in pigs. 717
- JOHNSON P.G. *see* RITZ P., JOHNSON P.G. & COWARD W.A. Measurements of ²H and ¹⁸O in body water: analytical considerations and physiological implications. 3
- JUUL A. *see* NIELSEN K., KONDRUP J., ELSNER P., JUUL A. & JENSEN E.S. Casein and soya-bean protein have different effects on whole body protein turnover at the same nitrogen balance. 69
- KANO S. *see* IDE T., KANO S., MURATA M., YANAGITA T. & SUGANO M. Dietary modifications of the biliary bile acid glycine:taurine ratio and activity of hepatic bile acid-CoA: amino acid *N*-acyltransferase (*EC* 2.3.1) in the rat. 93
- KEY T.J.A. *see* BINGHAM S.A., GILL C., WELCH A., DAY K., CASSIDY A., KHAW K.T., SNEYD M.J., KEY T.J.A., ROE L. & DAY N.E. Comparison of dietary assessment methods in nutritional epidemiology: weighed records v. 24 h recalls, food-frequency questionnaires and estimated-diet records. 619
- KHALIFA Fatima, PROST Josiane, BELLEVILLE Jacques & SARDA Louis Pancreatic digestive hydrolase activities in growing rats fed alternately on raw and heated soya-bean flour. 533
- KHAW K.T. *see* BINGHAM S.A., GILL C., WELCH A., DAY K., CASSIDY A., KHAW K.T., SNEYD M.J., KEY T.J.A., ROE L. & DAY N.E. Comparison of dietary assessment methods in nutritional epidemiology: weighed records v. 24 h recalls, food-frequency questionnaires and estimated-diet records. 619
- KISSIL G.W. *see* HAREL Moti, TANDLER Amos, KISSIL G.W. & APPLEBAUM Shalom W. The kinetics of nutrient incorporation into body tissues of gilthead seabream (*Sparus aurata*) females and the subsequent effects on egg composition and egg quality. 45
- KIVITS Gerardus A.A. *see* FARWER Sandra R., DER BOER Bernardus C.J., HADDEMAN Edward, KIVITS Gerardus A.A., WIERSMA Antoon & DANSE Berry H.J.C. The vitamin E nutritional status of rats fed on diets high in fish oil, linseed oil or sunflower seed oil. 127
- KJELDSEN-KRAGH Jens *see* HAUGEN Margaretha A., KJELDSEN-KRAGH Jens, BJERVE Kristian S., HØSTMARK

- Arne T. & FØRRE Øystein Changes in plasma phospholipid fatty acids and their relationship to disease activity in rheumatoid arthritis patients treated with a vegetarian diet. 555
- KONDRUP J. *see* NIELSEN K., KONDRUP J., ELSNER P., JUUL A. & JENSEN E.S. Casein and soya-bean protein have different effects on whole body protein turnover at the same nitrogen balance. 69
- KYRIAZAKIS I., OLDHAM J.D., COOP R.L. & JACKSON F. The effect of subclinical intestinal nematode infection on the diet selection of growing sheep. 665
- LAU Joseph *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 883
- LAWRANCE Paul R. *see* LEE Susan M., LEWIS Janet, BUSS David H., HOLCOMBE Gillian D. & LAW RANCE Paul R. Iodine in British foods and diets. 435
- LEE Susan M., LEWIS Janet, BUSS David H., HOLCOMBE Gillian D. & LAW RANCE Paul R. Iodine in British foods and diets. 435
- LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 883
- LEMARCHAL P. *see* GUILLOT E., LEMARCHAL P., DHORNE T. & RERAT A. Intestinal absorption of medium chain fatty acids: *in vivo* studies in pigs devoid of exocrine pancreatic secretion. 545
- LEMMENS Arnoldina G. *see* VAN DER HELDEN Annet, VAN DEN BERG Gerrit J., LEMMENS Arnoldina G. & BEYNEN Anton C. Dietary fructose *v.* glucose in rats raises urinary excretion, true absorption and ileal solubility of magnesium but decreases magnesium retention. 567
- LERMA Ana *see* PLANELLS Elena, ARANDA Pilar, LERMA Ana & LLOPIS Juan Changes in bioavailability and tissue distribution of zinc caused by magnesium deficiency in rats. 315
- LEUNG Dora M.Y. *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 883
- LEUNG Sophie S.F. *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 883
- LEVERVE X. *see* FAURE H., LEVERVE X., ARNAUD J., BOUJET C. & FAVIER A. Zinc changes in blood and urine during cyclic parenteral nutrition: relationships with amino acid metabolism. 763
- LEWIS Janet *see* LEE Susan M., LEWIS Janet, BUSS David H., HOLCOMBE Gillian D. & LAW RANCE Paul R. Iodine in British foods and diets. 435
- LIVINGSTONE M.B.E. *see* STRAIN J.J., ROBSON P.J., LIVINGSTONE M.B.E., PRIMROSE E.D., SAVAGE J.M., CRAN G.W. & BOREHAM C.A.G. Estimates of food and macronutrient intake in a random sample of Northern Ireland adolescents. 343
- LLOPIS Juan *see* PLANELLS Elena, ARANDA Pilar, LERMA Ana & LLOPIS Juan Changes in bioavailability and tissue distribution of zinc caused by magnesium deficiency in rats. 315
- LOBLEY G.E. *see* BEQUETTE B.J., BACKWELL F.R.C., DHANOA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- MCCABE Richard D., SMITH Manis J. Jr & DWYER Terry M. Faecal dry weight and potassium are related to faecal sodium and plasma aldosterone in rats chronically fed on varying amounts of sodium or potassium chlorides. 325
- MCNABB W.C. *see* TERRILL T.H., WAGHORN G.C., WOOLLEY D.J., MCNABB W.C. & BARRY T.N. Assay and digestion of ^{14}C -labelled condensed tannins in the gastrointestinal tract of sheep. 467
- MCNEILL G. *see* HAGGARTY P., MCNEILL G., ABU MANNEH M.K., DAVIDSON L., MILNE E., DUNCAN G. & ASHTON J. The influence of exercise on the energy requirements of adult males in the UK. 799
- MACRAE J.C. *see* BEQUETTE B.J., BACKWELL F.R.C., DHANOA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- MAHE Sylvain *see* BAGLIERI Agnes, MAHE Sylvain, ZIDI Semia, HUNEAU Jean-Francois, THUILLIER Francois, MARTEAU Philippe & TOME Daniel Gastro-jejunal digestion of soya-bean-milk protein in humans. 519

- MAKKINK Caroline A., NEGULESCU George Puia, GUIXIN Qin & VERSTEGEN Martin W.A. Effect of dietary protein source on feed intake, growth, pancreatic enzyme activities and jejunal morphology in newly-weaned piglets. 353
- MARTEAU Philippe *see* BAGLIERI Agnes, MAHE Sylvain, ZIDI Semia, HUNEAU Jean-Francois, THUILLIER Francois, MARTEAU Philippe & TOME Daniel Gastro-jejunal digestion of soya-bean-milk protein in humans. 519
- MÅRTENSSON P.-E., NORDØY E.S. & BLIX A.S. Digestibility of krill (*Euphausia superba* and *Thysanoessa* sp.) in minke whales (*Balaenoptera acutorostrata*) and crabeater seals (*Lobodon carcinophagus*). 713
- MASAREI J.R.L. *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 883
- MASKELL Ian & SMITHARD Ron Degradation of glucosinolates during *in vitro* incubations of rapeseed meal with myrosinase (EC 3.2.3.1) and with pepsin (EC 3.4.23.1)-hydrochloric acid, and contents of porcine small intestine and caecum. 455
- MATTE J. Jacques & GIRARD Christiane L. Pteroylglutamic (folic) acid in different feedstuffs: the pteroylglutamate content and an attempt to measure the bioavailability in pigs. 911
- METCALF J.A. *see* BEQUETTE B.J., BACKWELL F.R.C., DHANOA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- MILBORROW B.V. *see* DEVERY Jannine & MILBORROW B.V. β -Carotene-15,15'-dioxygenase (EC 1.13.11.21) isolation reaction mechanism and an improved assay procedure. 397
- MILLS A. *see* DAVIES Peter S.W., COWARD W.A., GREGORY J., WHITE A. & MILLS A. Total energy expenditure and energy intake in the pre-school child: a comparison. 13
- MILNE E. *see* HAGGARTY P., MCNEILL G., ABU MANNEH M.K., DAVIDSON L., MILNE E., DUNCAN G. & ASHTON J. The influence of exercise on the energy requirements of adult males in the UK. 799
- MORGAN L.M. *see* OVERTON P.D., FURLONGER N., BEETY J.M., CHAKRABORTY J., TREDGER J.A. & MORGAN L.M. The effects of dietary sugar-beet fibre and guar gum on lipid metabolism in Wistar rats. 385
- MOUGHAN P.J. *see* DONKOH A. & MOUGHAN P.J. The effect of dietary crude protein content on apparent and true ileal nitrogen and amino acid digestibilities. 59
- MURATA M. *see* IDE T., KANO S., MURATA M., YANAGITA T. & SUGANO M. Dietary modifications of the biliary bile acid glycine:taurine ratio and activity of hepatic bile acid-CoA: amino acid *N*-acyltransferase (EC 2.3.1) in the rat. 93
- MURRAY L.A. *see* REILLY J.J., MURRAY L.A., WILSON J. & DURNIN J.V.G.A. Measuring the body composition of elderly subjects: a comparison of methods. 33
- NEGULESCU George Puia *see* MAKKINK Caroline A., NEGULESCU George Puia, GUIXIN Qin & VERSTEGEN Martin W.A. Effect of dietary protein source on feed intake, growth, pancreatic enzyme activities and jejunal morphology in newly-weaned piglets. 353
- NELSON M., BAKALIOU F. & TRIVEDI A. Iron-deficiency anaemia and physical performance in adolescent girls from different ethnic backgrounds. 427
- NELSON M., ATKINSON M. & DARBYSHIRE S. Food photography I: the perception of food portion size from photographs. 649
- NESTEL Paul *see* CLARK Dallas, TOMAS Frank, WITHERS Robert T., CHANDLER C., BRINKMAN Menno, PHILLIPS John, BERRY Michael, BALLARD F. John & NESTEL Paul Energy metabolism in free-living, 'large-eating' and 'small-eating' women: studies using $^2\text{H}_2^{18}\text{O}$. 21
- NGUYEN H.V. *see* DAVIS Teresa A., NGUYEN H.V., GARCIA-BRAVO R., FIOROTTO M.L., JACKSON Evelyn M. & REEDS Peter J. Amino acid composition of the milk of some mammalian species changes with stage of lactation. 845
- NIELSEN K., KONDRUP J., ELSNER P., JUUL A. & JENSEN E.S. Casein and soya-bean protein have different effects on whole body protein turnover at the same nitrogen balance. 69
- NIETO R., PALMER R.M., FERNÁNDEZ-FÍGARES I., PÉREZ L. & PRIETO C. Effect of dietary protein quality, feed restriction and short-term fasting on protein synthesis and turnover in tissues of the growing chicken. 499
- NORDØY E.S. *see* MÅRTENSSON P.-E., NORDØY E.S. & BLIX A.S. Digestibility of krill (*Euphausia superba* and *Thysanoessa* sp.) in minke whales (*Balaenoptera acutorostrata*) and crabeater seals (*Lobodon carcinophagus*). 713

- NORTON B.W. *see* VAN BARNEVELD R.J., BATTERHAM The Late E.S. & NORTON B.W. The effect of heat on amino acids for growing pigs 1. A comparison of ileal and faecal digestibilities of amino acids in raw and heat-treated field peas (*Pisum sativum* cultivar Dundale). 221
- NORTON B.W. *see* VAN BARNEVELD R.J., BATTERHAM The Late E.S. & NORTON B.W. The effect of heat on amino acids for growing pigs 2. Utilization of ileal-digestible lysine from heat-treated field peas (*Pisum sativum* cultivar Dundale). 243
- NORTON B.W. *see* VAN BARNEVELD R.J., BATTERHAM The Late E.S. & NORTON B.W. The effect of heat on amino acids for growing pigs 3. The availability of lysine from heat-treated field peas (*Pisum sativum* cultivar Dundale) determined using the slope-ratio assay. 257
- OKA T. *see* SUGANO M., IKEDA I., WAKAMATSU K. & OKA T. Influence of Korean pine (*Pinus koraiensis*)-seed oil containing *cis*-5,*cis*-9,*cis*-12-octadecatrienoic acid on polyunsaturated fatty acid metabolism, eicosanoid production and blood pressure of rats. 775
- OLDHAM J.D. *see* PINE A.P., JESSOP N.S., ALLAN G.F. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 2. Effects of dietary protein restriction during gestation and lactation on tissue protein metabolism and Na⁺,K⁺-ATPase (*EC* 3.6.1.3) activity. 181
- OLDHAM J.D. *see* KYRIAZAKIS I., OLDHAM J.D., COOP R.L. & JACKSON F. The effect of subclinical intestinal nematode infection on the diet selection of growing sheep. 665
- OLDHAM J.D. *see* PINE A.P., JESSOP N.S. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 3. The effects of dietary protein restriction and stage of lactation on milk composition. 815
- OLDHAM J.D. *see* PINE A.P., JESSOP N.S., ALLAN G.F. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 4. Tissue protein synthesis and turnover associated with mobilization of maternal protein. 831
- OMARA Felix O. & BLAKLEY Barry R. The effects of iron deficiency and iron overload on cell-mediated immunity in the mouse. 899
- OOSTING S.J., VLEMMIX P.J.M. & VAN BRUCHEM J. Effect of ammonia treatment of wheat straw with or without supplementation of potato protein on intake, digestion and kinetics of comminution, rumen degradation and passage in steers. 147
- OVERTON P.D., FURLONGER N., BEETY J.M., CHAKRABORTY J., TREDGER J.A. & MORGAN L.M. The effects of dietary sugar-beet fibre and guar gum on lipid metabolism in Wistar rats. 385
- PALMER R.M. *see* NIETO R., PALMER R.M., FERNÁNDEZ-FÍGARES I., PÉREZ L. & PRIETO C. Effect of dietary protein quality, feed restriction and short-term fasting on protein synthesis and turnover in tissues of the growing chicken. 499
- PARSONS Susan E. & DISILVESTRO Robert A. Effects of mild zinc deficiency, plus or minus an acute-phase response, on galactosamine-induced hepatitis in rats. 611
- PÉREZ L. *see* NIETO R., PALMER R.M., FERNÁNDEZ-FÍGARES I., PÉREZ L. & PRIETO C. Effect of dietary protein quality, feed restriction and short-term fasting on protein synthesis and turnover in tissues of the growing chicken. 499
- PETTERSON D.S., SANDSTRÖM B. & CEDERBLAD Å. Absorption of zinc from lupin (*Lupinus angustifolius*)-based foods. 865
- PETERSSON D. *see* RAZDAN A. & PETERSSON D. Effect of chitin and chitosan on nutrient digestibility and plasma lipid concentrations in broiler chickens. 277
- PHILLIPS John *see* CLARK Dallas, TOMAS Frank, WITHERS Robert T., CHANDLER C., BRINKMAN Menno, PHILLIPS John, BERRY Michael, BALLARD F. John & NESTEL Paul Energy metabolism in free-living, 'large-eating' and 'small-eating' women: studies using ²H₂¹⁸O. 21
- PINE A.P., JESSOP N.S., ALLAN G.F. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 2. Effects of dietary protein restriction during gestation and lactation on tissue protein metabolism and Na⁺,K⁺-ATPase (*EC* 3.6.1.3) activity. 181
- PINE A.P., JESSOP N.S. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 3. The effects of dietary protein restriction and stage of lactation on milk composition. 815
- PINE A.P., JESSOP N.S., ALLAN G.F. & OLDHAM J.D. Maternal protein reserves and their influence on lactational performance in rats 4. Tissue protein synthesis and turnover associated with mobilization of maternal protein. 831
- PLANELLS Elena, ARANDA Pilar, LERMA Ana & LLOPIS Juan Changes in bioavailability and tissue distribution of zinc caused by magnesium deficiency in rats. 315
- POTTS Jennifer L., HUMPHREYS Sandy M., COPPACK Simon W., FISHER Rachel M., GIBBONS Geoffrey F.

- & FRAYN Keith N. Fasting plasma triacylglycerol concentrations predict adverse changes in lipoprotein metabolism after a normal meal. 101
- PRIETO C. *see* NIETO R., PALMER R.M., FERNÁNDEZ-FÍGARES I., PÉREZ L. & PRIETO C. Effect of dietary protein quality, feed restriction and short-term fasting on protein synthesis and turnover in tissues of the growing chicken. 499
- PRIMROSE E.D. *see* STRAIN J.J., ROBSON P.J., LIVINGSTONE M.B.E., PRIMROSE E.D., SAVAGE J.M., CRAN G.W. & BOREHAM C.A.G. Estimates of food and macronutrient intake in a random sample of Northern Ireland adolescents. 343
- PROST Josiane *see* KHALIFA Fatima, BELLEVILLE Jacques & SARDA Louis Pancreatic digestive hydrolase activities in growing rats fed alternately on raw and heated soya-bean flour. 533
- RAFECAS Immaculada, ESTEVE Montserrat, FERNÁNDEZ-LÓPEZ José-Antonio, REMESAR Xavier & ALEMANY Marià Whole-rat protein content estimation: applicability of the N × 6.25 factor. 199
- RAZDAN A. & PETTERSSON D. Effect of chitin and chitosan on nutrient digestibility and plasma lipid concentrations in broiler chickens. 277
- REEDS Peter J. *see* DAVIS Teresa A., NGUYEN H.V., GARCIA-BRAVO R., FIOROTTO M.L., JACKSON Evelyn M. & REEDS Peter J. Amino acid composition of the milk of some mammalian species changes with stage of lactation. 845
- REILLY J.J., MURRAY L.A., WILSON J. & DURBIN J.V.G.A. Measuring the body composition of elderly subjects: a comparison of method. 33
- REMESAR Xavier *see* RAFECAS Immaculada, ESTEVE Montserrat, FERNÁNDEZ-LÓPEZ José-Antonio, REMESAR Xavier & ALEMANY Marià Whole-rat protein content estimation: applicability of the N × 6.25 factor. 199
- RERAT A. *see* GUILLOT E., LEMARCHAL P., DHORNE T. & RERAT A. Intestinal absorption of medium chain fatty acids: *in vivo* studies in pigs devoid of exocrine pancreatic secretion. 545
- RICHARDSON F.D. The needs of readers. 795
- RIEDEL K.D. *see* WOOD P.J., BRAATEN J.T., SCOTT F.W., RIEDEL K.D., WOLYNETZ M.S. & COLLINS M.W. Effect of dose and modification of viscous properties of oat gum on plasma glucose and insulin following an oral glucose load. 731
- RITZ P., JOHNSON P.G. & COWARD W.A. Measurements of ²H and ¹⁸O in body water: analytical considerations and physiological implications. 3
- ROBERTSON Susan *see* CAMPBELL Norman R.C., HASINOFF Brian B., SINGH Mukhtiar & ROBERTSON Susan Ferrous sulphate does not directly affect pteroylmonoglutamic acid absorption in rats. 447
- ROBSON P.J. *see* STRAIN J.J., ROBSON P.J., LIVINGSTONE M.B.E., PRIMROSE E.D., SAVAGE J.M., CRAN G.W. & BOREHAM C.A.G. Estimates of food and macronutrient intake in a random sample of Northern Ireland adolescents. 343
- ROE L. *see* BINGHAM S.A., GILL C., WELCH A., DAY K., CASSIDY A., KHAW K.T., SNEYD M.J., KEY T.J.A., ROE L. & DAY N.E. Comparison of dietary assessment methods in nutritional epidemiology: weighed records v. 24 h recalls, food-frequency questionnaires and estimated-diet records. 619
- SANDSTRÖM B. *see* PETTERSON D.S., SANDSTRÖM B. & CEDERBLAD Å. Absorption of zinc from lupin (*Lupinus angustifolius*)-based foods. 865
- SARDA Louis *see* KHALIFA Fatima, PROST Josiane, BELLEVILLE Jacques & SARDA Louis Pancreatic digestive hydrolase activities in growing rats fed alternately on raw and heated soya-bean flour. 533
- SAVAGE J.M. *see* STRAIN J.J., ROBSON P.J., LIVINGSTONE M.B.E., PRIMROSE E.D., SAVAGE J.M., CRAN G.W. & BOREHAM C.A.G. Estimates of food and macronutrient intake in a random sample of Northern Ireland adolescents. 343
- SCHWEIZER Thomas F. *see* WISKER Elisabeth, SCHWEIZER Thomas F., DANIEL Martina & FELDHEIM Walter Fibre-mediated physiological effects of raw and processed carrots in humans. 579
- SCOTT F.W. *see* WOOD P.J., BRAATEN J.T., SCOTT F.W., RIEDEL K.D., WOLYNETZ M.S. & COLLINS M.W. Effect of dose and modification of viscous properties of oat gum on plasma glucose and insulin following an oral glucose load. 731
- SHELTON I.D. *see* WANG Yuxi, WAGHORN G.C., BARRY T.N. & SHELTON I.D. The effect of condensed tannins in *Lotus corniculatus* on plasma metabolism of methionine, cystine and inorganic sulphate by sheep. 923
- SHI Bing & SPALLHOLZ Julian E. Selenium from beef is highly bioavailable as assessed by liver glutathione peroxidase (EC 1.11.1.9) activity and tissue selenium. 873
- SINGH Mukhtiar *see* CAMPBELL Norman R.C., HASINOFF Brian B., SINGH Mukhtiar & ROBERTSON Susan Ferrous sulphate does not directly affect pteroylmonoglutamic acid absorption in rats. 447
- SMITH G. *see* WEIDEL S.E., SMITH G. & FLECK A. The effects of experimental malnutrition on albumin metabolism and distribution in rabbits. 369

- SMITH Manis J. Jr *see* McCABE Richard D., SMITH Manis J. Jr & DWYER Terry M. Faecal dry weight and potassium are related to faecal sodium and plasma aldosterone in rats chronically fed on varying amounts of sodium or potassium chlorides. 325
- SMITHARD Ron *see* MASKELL Ian & SMITHARD Ron Degradation of glucosinolates during *in vitro* incubations of rapeseed meal with myrosinase (*EC* 3.2.3.1) and with pepsin (*EC* 3.4.23.1)-hydrochloric acid, and contents of porcine small intestine and caecum. 455
- SNEYD M.J. *see* BINGHAM S.A., GILL C., WELCH A., DAY K., CASSIDY A., KHAW K.T., SNEYD M.J., KEY T.J.A., ROE L. & DAY N.E. Comparison of dietary assessment methods in nutritional epidemiology: weighed records v. 24 h recalls, food-frequency questionnaires and estimated-diet records. 619
- SONKO B.J. *see* BATES C.J., EVANS P.H., ALLISON G., SONKO B.J., HOARE S., GOODRICH S. & ASPRAY T. Biochemical indices and neuromuscular function tests in rural Gambian schoolchildren given a riboflavin, or multivitamin plus iron, supplement. 601
- SOUTHGATE D.A.T. Standards of Peer Reviewing. 1
- SOUTHGATE D.A.T. Competition or... 171
- SOUTHGATE D.A.T. ... Scientific Interchange. 341
- SOUTHGATE D.A.T. 'Where's the beef?' 489
- SOUTHGATE D.A.T. The development of the nutritional sciences. 647
- SOUTHGATE D.A.T. Directions from a reader. 795
- SOUTHON Susan *see* BAILEY Angela L., FINGLAS P.M., WRIGHT A.J.A. & SOUTHON Susan Thiamin intake, erythrocyte transketolase (*EC* 2.2.1.1) activity and total erythrocyte thiamin in adolescents. 111
- SPALLHOLZ Julian E. *see* SHI Bing & SPALLHOLZ Julian E. Selenium from beef is highly bioavailable as assessed by liver glutathione peroxidase (*EC* 1.11.1.9) activity and tissue selenium. 873
- STICKLAND Neil C. *see* DWYER Catherine M. & STICKLAND Neil C. Supplementation of a restricted maternal diet with protein or carbohydrate alone prevents a reduction in fetal muscle fibre number in the guinea-pig. 173
- STRAIN J.J., ROBSON P.J., LIVINGSTONE M.B.E., PRIMROSE E.D., SAVAGE J.M., CRAN G.W. & BOREHAM C.A.G. Estimates of food and macronutrient intake in a random sample of Northern Ireland adolescents. 343
- SUGANO M. *see* IDE T., KANO S., MURATA M., YANAGITA T. & SUGANO M. Dietary modifications of the biliary bile acid glycine:taurine ratio and activity of hepatic bile acid-CoA: amino acid *N*-acyltransferase (*EC* 2.3.1) in the rat. 93
- SUGANO M., IKEDA I., WAKAMATSU K. & OKA T. Influence of Korean pine (*Pinus koraiensis*)-seed oil containing *cis*-5,*cis*-9,*cis*-12-octadecatrienoic acid on polyunsaturated fatty acid metabolism, eicosanoid production and blood pressure of rats. 775
- SUTTON G. *see* WATERLOW J.C., JACKSON A.A., GOLDEN M.H.N., JAHOR F., SUTTON G. & FERN E.B. The effect of acidosis on the labelling of urinary ammonia during infusion of [amide-¹⁵N]glutamine in human subjects. 83
- SUTTON J.D. *see* BEQUETTE B.J., BACKWELL F.R.C., DHANOA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- TANDLER Amos *see* HAREL Moti, TANDLER Amos, KISSIL G.W. & APPLEBAUM Shalom W. The kinetics of nutrient incorporation into body tissues of gilthead seabream (*Sparus aurata*) females and the subsequent effects on egg composition and egg quality. 45
- TANEJA S.K. & ARYA P. Lipid deposition in intestine as a possible cause of malabsorption of nutrients in zinc-deficient common carp (*Cyprinus carpio*). 753
- TERRILL T.H., WAGHORN G.C., WOOLLEY D.J., McNABB W.C. & BARRY T.N. Assay and digestion of ¹⁴C-labelled condensed tannins in the gastrointestinal tract of sheep. 467
- THIJSSEN H.H.W. & DRITTU-REIJNDERS M.J. Vitamin K distribution in rat tissues: dietary phyloquinone is a source of tissue menaquinone-4. 415
- THULLIER Francois *see* BAGLIERI Agnes, MAHE Sylvain, ZIDI Semia, HUNEAU Jean-Francois, THULLIER Francois, MARTEAU Philippe & TOME Daniel Gastro-jejunal digestion of soya-bean-milk protein in humans. 519
- TOMAS Frank *see* CLARK Dallas, TOMAS Frank, WITHERS Robert T., CHANDLER C., BRINKMAN Menno, PHILLIPS John, BERRY Michael, BALLARD F. John & NESTEL Paul Energy metabolism in free-living, 'large-eating' and 'small-eating' women: studies using ²H,¹⁸O. 21
- TOME Daniel *see* BAGLIERI Agnes, MAHE Sylvain, ZIDI Semia, HUNEAU Jean-Francois, THULLIER Francois, MARTEAU Philippe & TOME Daniel Gastro-jejunal digestion of soya-bean-milk protein in humans. 519

- TOMLIN J. *see* BROWN N.J., GREENBURGH A. & TOMLIN J. The effects of pectin and wheat bran on the distribution of a meal in the gastrointestinal tract of the rat. 289
- TREDGER J.A. *see* OVERTON P.D., FURLONGER N., BEETY J.M., CHAKRABORTY J., TREDGER J.A. & MORGAN L.M. The effects of dietary sugar-beet fibre and guar gum on lipid metabolism in Wistar rats. 385
- TRIVEDI A. *see* NELSON M., BAKALIOU F. & TRIVEDI A. Iron-deficiency anaemia and physical performance in adolescent girls from different ethnic backgrounds. 427
- TSANG Heidi S.Y. *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 883
- TSUCHIYA H. *see* BATES C.J. & TSUCHIYA H. Ascorbic acid deficiency in guinea pigs: contrasting effects of tissue ascorbic acid depletion and of associated inanition on status indices related to collagen and vitamin D. 745
- VAN BARNEVELD R.J., BATTERHAM The Late E.S. & NORTON B.W. The effect of heat on amino acids for growing pigs 1. A comparison of ileal and faecal digestibilities of amino acids in raw and heat-treated field peas (*Pisum sativum* cultivar Dundale). 221
- VAN BARNEVELD R.J., BATTERHAM The Late E.S. & NORTON B.W. The effect of heat on amino acids for growing pigs 2. Utilization of ileal-digestible lysine from heat-treated field peas (*Pisum sativum* cultivar Dundale). 243
- VAN BARNEVELD R.J., BATTERHAM The Late E.S. & NORTON B.W. The effect of heat on amino acids for growing pigs 3. The availability of lysine from heat-treated field peas (*Pisum sativum* cultivar Dundale) determined using the slope-ratio assay. 257
- VAN BRUCHEM J. *see* OOSTING S.J., VLEMMIX P.J.M. & VAN BRUCHEM J. Effect of ammonia treatment of wheat straw with or without supplementation of potato protein on intake, digestion and kinetics of comminution, rumen degradation and passage in steers. 147
- VAN DEN BERG Gerrit J. *see* VAN DER HEIJDEN Annet, VAN DEN BERG Gerrit J., LEMMENS Arnoldina G. & BEYNE Anton C. Dietary fructose *v.* glucose in rats raises urinary excretion, true absorption and ileal solubility of magnesium but decreases magnesium retention. 567
- VAN DER HEIJDEN Annet, VAN DEN BERG Gerrit J., LEMMENS Arnoldina G. & BEYNE Anton C. Dietary fructose *v.* glucose in rats raises urinary excretion, true absorption and ileal solubility of magnesium but decreases magnesium retention. 567
- VAN LIERE Marti J., ATEGBO Eric-Alain D., HOORWEG Jan, DEN HARTOG Adel P. & HAUTVAST Joseph G.A.J. The significance of socio-economic characteristics for adult seasonal body-weight fluctuations: a study in north-western Benin. 479
- VAN MARKEN LICHTENBELT Wouter D., WESTERTERP Klaas R. & WOUTERS Loek Deuterium dilution as a method for determining total body water: effect of test protocol and sampling time. 491
- VERSTEGEN Martin W.A. *see* MAKKINK Caroline A., NEGULESCU George Puia, GUIXIN Qin & VERSTEGEN Martin W.A. Effect of dietary protein source on feed intake, growth, pancreatic enzyme activities and jejunal morphology in newly-weaned piglets. 353
- VLEMMIX P.J.M. *see* OOSTING S.J., VLEMMIX P.J.M. & VAN BRUCHEM J. Effect of ammonia treatment of wheat straw with or without supplementation of potato protein on intake, digestion and kinetics of comminution, rumen degradation and passage in steers. 147
- WAGHORN G.C. *see* TERRILL T.H., WAGHORN G.C., WOOLLEY D.J., McNABB W.C. & BARRY T.N. Assay and digestion of ^{14}C -labelled condensed tannins in the gastrointestinal tract of sheep. 467
- WAGHORN G.C. *see* WANG Yuxi, WAGHORN G.C., BARRY T.N. & SHELTON I.D. The effect of condensed tannins in *Lotus corniculatus* on plasma metabolism of methionine, cystine and inorganic sulphate by sheep. 923
- WAKAMATSU K. *see* SUGANO M., IKEDA I., WAKAMATSU K. & OKA T. Influence of Korean pine (*Pinus koraiensis*)-seed oil containing *cis*-5,*cis*-9,*cis*-12-octadecatrienoic acid on polyunsaturated fatty acid metabolism, eicosanoid production and blood pressure of rats. 775
- WALKER A. *see* BEQUETTE B.J., BACKWELL F.R.C., DHANOA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- WANG S.H. *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 883
- WANG Yuxi, WAGHORN G.C., BARRY T.N. & SHELTON I.D. The effect of condensed tannins in *Lotus corniculatus* on plasma metabolism of methionine, cystine and inorganic sulphate by sheep. 923
- WATERLOW J.C., JACKSON A.A., GOLDEN M.H.N., JAHOR F., SUTTON G. & FERN E.B. The effect of

- acidosis on the labelling of urinary ammonia during infusion of [amide-¹⁵N]glutamine in human subjects. 83
- WEIDEL S.E., SMITH G. & FLECK A. The effects of experimental malnutrition on albumin metabolism and distribution in rabbits. 369
- WELCH A. *see* BINGHAM S.A., GILL C., WELCH A., DAY K., CASSIDY A., KHAW K.T., SNEYD M.J., KEY T.J.A., ROE L. & DAY N.E. Comparison of dietary assessment methods in nutritional epidemiology: weighed records *v.* 24 h recalls, food-frequency questionnaires and estimated-diet records. 619
- WESTERTERP Klaas R. *see* VAN MARKEN LICHTENBELT Wouter D., WESTERTERP Klaas R. & WOUTERS Loek Deuterium dilution as a method for determining total body water: effect of test protocol and sampling time. 491
- WHITE A. *see* DAVIES Peter S.W., COWARD W.A., GREGORY J., WHITE A. & MILLS A. Total energy expenditure and energy intake in the pre-school child: a comparison. 13
- WHITE Derek W.R. *see* HANCOCK Kerrie R., EALING Paul M. & WHITE Derek W.R. Identification of sulphur-rich proteins which resist rumen degradation and are hydrolysed rapidly by intestinal proteases. 855
- WIERSMA Antoon *see* FARWER Sandra R., DER BOER Bernardus C.J., HADDEMAN Edward, KIVITS Gerardus A.A., WIERSMA Antoon & DANSE Berry H.J.C. The vitamin E nutritional status of rats fed on diets high in fish oil, linseed oil or sunflower seed oil. 127
- WILSON J. *see* REILLY J.J., MURRAY L.A., WILSON J. & DURNIN J.V.G.A. Measuring the body composition of elderly subjects: a comparison of methods.
- WISKER Elisabeth, SCHWEIZER Thomas F., DANIEL Martina & FELDHEIM Walter Fibre-mediated physiological effects of raw and processed carrots in humans. 579
- WITHERS Robert T. *see* CLARK Dallas, TOMAS Frank, WITHERS Robert T., CHANDLER C., BRINKMAN Menno, PHILLIPS John, BERRY Michael, BALLARD F. John & NESTEL Paul Energy metabolism in free-living, 'large-eating' and 'small-eating' women: studies using ³H₂¹⁸O. 21
- WOLYNETZ M.S. *see* WOOD P.J., BRAATEN J.T., SCOTT F.W., RIEDEL K.D., WOLYNETZ M.S. & COLLINS M.W. Effect of dose and modification of viscous properties of oat gum on plasma glucose and insulin following an oral glucose load. 731
- WOOD P.J., BRAATEN J.T., SCOTT F.W., RIEDEL K.D., WOLYNETZ M.S. & COLLINS M.W. Effect of dose and modification of viscous properties of oat gum on plasma glucose and insulin following an oral glucose load. 731
- WOOLLEY D.J. *see* TERRILL T.H., WAGHORN G.C., WOOLLEY D.J., MCNABB W.C. & BARRY T.N. Assay and digestion of ¹⁴C-labelled condensed tannins in the gastrointestinal tract of sheep. 467
- WOUTERS Loek *see* VAN MARKEN LICHTENBELT Wouter D., WESTERTERP Klaas R. & WOUTERS Loek Deuterium dilution as a method for determining total body water: effect of test protocol and sampling time. 491
- WRAY-CAHEN D. *see* BEQUETTE B.J., BACKWELL F.R.C., DHANOA M.S., WALKER A., CALDER A.G., WRAY-CAHEN D., METCALF J.A., SUTTON J.D., BEEVER D.E., LOBLEY G.E. & MACRAE J.C. Kinetics of blood free and milk casein-amino acid labelling in the dairy goat at two stages of lactation. 211
- WRIGHT A.J.A. *see* BAILEY Angela L., FINGLAS P.M., WRIGHT A.J.A. & SOUTHOON Susan Thiamin intake, erythrocyte transketolase (EC 2.2.1.1) activity and total erythrocyte thiamin in adolescents. 111
- XU Y.C. *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (⁴²Ca and ⁴⁴Ca). 883
- YANAGITA T. *see* IDE T., KANO S., MURATA M., YANAGITA T. & SUGANO M. Dietary modifications of the biliary bile acid glycine:taurine ratio and activity of hepatic bile acid-CoA: amino acid *N*-acyltransferase (EC 2.3.1) in the rat. 93
- ZENG W.P. *see* LEE Warren T.K., LEUNG Sophie S.F., FAIRWEATHER-TAIT Susan J., LEUNG Dora M.Y., TSANG Heidi S.Y., EAGLES John, FOX Tom, WANG S.H., XU Y.C., ZENG W.P., LAU Joseph & MASAREI J.R.L. True fractional calcium absorption in Chinese children measured with stable isotopes (⁴²Ca and ⁴⁴Ca). 883
- ZIDI Semia *see* BAGLIERI Agnes, MAHE Sylvain, ZIDI Semia, HUNEAU Jean-Francois, THUILLIER Francois, MARTEAU Philippe & TOME Daniel Gastro-jejunal digestion of soya-bean-milk protein in humans. 519
- ZIJLSTRA F.J. *see* GARRELDs I.M., ELLIOTT G.R., ZIJLSTRA F.J. & BONTA I.L. Effects of short- and long-term feeding of L-carnitine and congeners on the production of eicosanoids from rat peritoneal leucocytes. 785