

Index of Authors

- ALIHONOU Eusebe *see* HERCBERG Serge, GALÁN Pilar, CHAULIAC Michel, MASSE-RAIMBAULT Anne-Marie, DEVANLAY Michel, BILEOMA Semiou, ALIHONOU Eusebe, ZOHOUN Isidore, CHRISTIDES Jean-Philippe & POTIER DE COURCY Geneviève Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. 185
- AOYAGI Y. *see* MURAMATSU T., AOYAGI Y., OKUMURA J. & TASAKI I. Contribution of whole-body protein synthesis to basal metabolism in layer and broiler chickens. 269
- ARMSTRONG D.G. *see* ROOKE J.A., LEE N.H. & ARMSTRONG D.G. The effects of intraruminal infusions of urea, casein, glucose syrup and a mixture of casein and glucose syrup on nitrogen digestion in the rumen of cattle receiving grass-silage diets. 89
- ARNOLD Jeff & RICHARD Denis Detraining of exercise-trained rats: effects on energetic efficiency and brown adipose tissue thermogenesis. 363
- BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- BALLOT D. *see* DERMAN D.P., BALLOT D., BOTHWELL T.H., MACFARLANE B.J., BAYNES R.D., MACPHAIL A.P., GILLOOLY M., BOTHWELL J.E., BEZWODA W.R. & MAYET F. Factors influencing the absorption of iron from soya-bean protein products. 345
- BAUMAN Victoria K. *see* BERZIN Nadezhda I. & BAUMAN Victoria K. Vitamin-A-dependent zinc-binding protein and intestinal absorption of Zn in chicks. 255
- BAYNES R.D. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- BAYNES R.D. *see* DERMAN D.P., BALLOT D., BOTHWELL T.H., MACFARLANE B.J., BAYNES R.D., MACPHAIL A.P., GILLOOLY M., BOTHWELL J.E., BEZWODA W.R. & MAYET F. Factors influencing the absorption of iron from soya-bean protein products. 345
- BEEVER D.E., LOSADA H.R., GALE D.L., SPOONER M.C. & DHANOA M.S. The use of monensin or formaldehyde to control the digestion of the nitrogenous constituents of perennial ryegrass (*Lolium perenne* cv. Melle) and white clover (*Trifolium repens* cv. Blanca) in the rumen of cattle. 57
- BERZIN Nadezhda I. & BAUMAN Victoria K. Vitamin-A-dependent zinc-binding protein and intestinal absorption of Zn in chicks. 255
- BEZWODA W.R. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- BEZWODA W.R. *see* DERMAN D.P., BALLOT D., BOTHWELL T.H., MACFARLANE B.J., BAYNES R.D., MACPHAIL A.P., GILLOOLY M., BOTHWELL J.E., BEZWODA W.R. & MAYET F. Factors influencing the absorption of iron from soya-bean protein products. 345
- BILEOMA Semiou *see* HERCBERG Serge, GALÁN Pilar, CHAULIAC Michel, MASSE-RAIMBAULT Anne-Marie, DEVANLAY Michel, BILEOMA Semiou, ALIHONOU Eusebe, ZOHOUN Isidore, CHRISTIDES Jean-Philippe & POTIER DE COURCY Geneviève Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. 185
- BLAKEBOROUGH Peter & SALTER Dallyn N. The intestinal transport of zinc studied using brush-border-membrane vesicles from the piglet. 45
- BOHOROV O., BUTTERY P.J., CORREIA J.H.R.D. & SOAR J.B. The effect of the β -2-adrenergic agonist clenbuterol or implantation with oestradiol plus trenbolone acetate on protein metabolism in wether lambs. 99
- BOTHWELL J.E. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- BOTHWELL J.E. *see* DERMAN D.P., BALLOT D., BOTHWELL T.H., MACFARLANE B.J., BAYNES R.D., MACPHAIL A.P., GILLOOLY M., BOTHWELL J.E., BEZWODA W.R. & MAYET F. Factors influencing the absorption of iron from soya-bean protein products. 345

- BOTHWELL T.H. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- BOTHWELL T.H. *see* DERMAN D.P., BALLOT D., BOTHWELL T.H., MACFARLANE B.J., BAYNES R.D., MACPHAIL A.P., GILLOOLY M., BOTHWELL J.E., BEZWODA W.R. & MAYET F. Factors influencing the absorption of iron from soya-bean protein products. 345
- BUCHAN Vivien *see* LOBLEY G.E., CONNELL Alexmary & BUCHAN Vivien Effect of food intake on protein and energy metabolism in finishing beef steers. 457
- BUNKER Valda W., LAWSON Margaret S., STANSFIELD Maureen F. & CLAYTON Barbara E. Nitrogen balance studies in apparently healthy elderly people and those who are housebound. 211
- BUTTERY P.J. *see* BOHOROV O., BUTTERY P.J., CORREIA J.H.R.D. & SOAR J.B. The effect of the β -2-adrenergic agonist clenbuterol or implantation with oestradiol plus trenbolone acetate on protein metabolism in wether lambs. 99
- CHAULIAC Michel *see* HERCBERG Serge, GALÁN Pilar, CHAULIAC Michel, MASSE-RAIMBAULT Anne-Marie, DEVANLAY Michel, BILEOMA Semiou, ALIHONOU Eusebe, ZOHOUN Isidore, CHRISTIDES Jean-Philippe & POTIER DE COURCY Geneviève Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. 185
- CHENG Bing-Qin, TRIMBLE Rodney P., ILLMAN Richard J., STONE Bruce A. & TOPPING David L. Comparative effects of dietary wheat bran and its morphological components (aleurone and pericarp-seed coat) on volatile fatty acid concentrations in the rat. 69
- CHRISTENSEN Kirsten & THORBEC Grete Methane excretion in the growing pig. 355
- CHRISTIDES Jean-Philippe *see* HERCBERG Serge, GALÁN Pilar, CHAULIAC Michel, MASSE-RAIMBAULT Anne-Marie, DEVANLAY Michel, BILEOMA Semiou, ALIHONOU Eusebe, ZOHOUN Isidore, CHRISTIDES Jean-Philippe & POTIER DE COURCY Geneviève Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. 185
- CLAYTON Barbara E. *see* BUNKER Valda W., LAWSON Margaret S., STANSFIELD Maureen F. & CLAYTON Barbara E. Nitrogen balance studies in apparently healthy elderly people and those who are housebound. 211
- COLE A.H. & OGUNGBE R.F. Food intake and energy expenditure of Nigerian female students. 309
- CONNELL Alexmary *see* LOBLEY G.E., CONNELL Alexmary & BUCHAN Vivien Effect of food intake on protein and energy metabolism in finishing beef steers. 457
- COOLEY S. & LIVESEY G. The metabolizable energy value of Polydextrose® in a mixed diet fed to rats. 235
- COPPEN D.E. & DAVIES N.T. Studies on the effects of dietary zinc dose on ^{65}Zn absorption in vivo and on the effects of Zn status on ^{65}Zn absorption and body loss in young rats. 35
- CORREIA J.H.R.D. *see* BOHOROV O., BUTTERY P.J., CORREIA J.H.R.D. & SOAR J.B. The effect of the β -2-adrenergic agonist clenbuterol or implantation with oestradiol plus trenbolone acetate on protein metabolism in wether lambs. 99
- CRAWFORD M.A. *see* LEYTON J., DRURY P.J. & CRAWFORD M.A. Differential oxidation of saturated and unsaturated fatty acids in vivo in the rat. 383
- DAVIES N.T. *see* COPPEN D.E. & DAVIES N.T. Studies on the effects of dietary zinc dose on ^{65}Zn absorption in vivo and on the effects of Zn status on ^{65}Zn absorption and body loss in young rats. 35
- DE BOER Janna O., VAN ES Aren J.H., VOGT Joop E., VAN RAAIJ Joop M.A. & HAUTVAST Joseph G.A.J. Reproducibility of 24 h energy expenditure measurements using a human whole body indirect calorimeter. 201
- DERMAN D.P. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- DERMAN D.P., BALLOT D., BOTHWELL T.H., MACFARLANE B.J., BAYNES R.D., MACPHAIL A.P., GILLOOLY M., BOTHWELL J.E., BEZWODA W.R. & MAYET F. Factors influencing the absorption of iron from soya-bean protein products. 345
- DEVANLAY Michel *see* HERCBERG Serge, GALÁN Pilar, CHAULIAC Michel, MASSE-RAIMBAULT Anne-Marie, DEVANLAY Michel, BILEOMA Semiou, ALIHONOU Eusebe, ZOHOUN Isidore, CHRISTIDES Jean-Philippe & POTIER DE COURCY Geneviève Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. 185
- DHANO A M.S. *see* BEEVER D.E., LOSADA H.R., GALE D.L., SPOONER M.C. & DHANO A M.S. The use of monensin or formaldehyde to control the digestion of the nitrogenous constituents of perennial ryegrass (*Lolium perenne* cv. Melle) and white clover (*Trifolium repens* cv. Blanca) in the rumen of cattle. 57

Index of Authors

491

- DRURY P.J. *see* LEYTON J., DRURY P.J. & CRAWFORD M.A. Differential oxidation of saturated and unsaturated fatty acids *in vivo* in the rat. 383
- FAICHNEY G.J. *see* PUNIA B.S., LEIBHOLZ Jane & FAICHNEY G.J. The role of rumen protozoa in the utilization of paspalum (*Paspalum dilatatum*) hay by cattle. 395
- FAIRNEY Angela & SAPHIER P.W. Studies on the measurement of 25-hydroxy vitamin D in human saliva. 13
- FISHER M.T. *see* WAGHORN G.C., ULYATT M.J., JOHN A. & FISHER M.T. The effect of condensed tannins on the site of digestion of amino acids and other nutrients in sheep fed on *Lotus corniculatus* L. 115
- FLENDRIG J.A. *see* SELS J.P., FLENDRIG J.A. & POSTMES TH.J. The influence of guar-gum bread on the regulation of diabetes mellitus type II in elderly patients. 177
- GALÁN Pilar *see* HERCBERG Serge, GALÁN Pilar, CHAULIAC Michel, MASSE-RAIMBAULT Anne-Marie, DEVANLAY Michel, BILEOMA Semiou, ALIHONOU Eusebe, ZOHOUN Isidore, CHRISTIDES Jean-Philippe & POTIER DE COURCY Geneviève Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. 185
- GALE D.L. *see* BEEVER D.E., LOSADA H.R., GALE D.L., SPOONER M.C. & DHANOA M.S. The use of monensin or formaldehyde to control the digestion of the nitrogenous constituents of perennial ryegrass (*Lolium perenne* cv. Melle) and white clover (*Trifolium repens* cv. Blanca) in the rumen of cattle. 57
- GARTHWAITE P. *see* WILLIAMS P.E.V., PAGLIANI L., INNES G.M., PENNIE K., HARRIS C.I. & GARTHWAITE P. Effects of a β -agonist (clenbuterol) on growth, carcass composition, protein and energy metabolism of veal calves. 417
- GILLOOLY M. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- GILLOOLY M. *see* DERMAN D.P., BALLOT D., BOTHWELL T.H., MACFARLANE B.J., BAYNES R.D., MACPHAIL A.P., GILLOOLY M., BOTHWELL J.E., BEZWODA W.R. & MAYET F. Factors influencing the absorption of iron from soya-bean protein products. 345
- GIUGLIANO R. & MILLWARD D.J. The effects of severe zinc deficiency on protein turnover in muscle and thymus. 139
- GRIMBLE George K. *see* PATIL Dhatmaraj H., GRIMBLE George K. & SILK David B.A. Lactitol, a new hydrogenated lactose derivative: intestinal absorption and laxative threshold in normal human subjects. 195
- HARRIS C.I. *see* WILLIAMS P.E.V., PAGLIANI L., INNES G.M., PENNIE K., HARRIS C.I. & GARTHWAITE P. Effects of a β -agonist (clenbuterol) on growth, carcass composition, protein and energy metabolism of veal calves. 417
- HARRIS C.I., MILNE G. & MCDIARMID Ruth The retention and metabolism of N^7 -methylhistidine by cockerels: implications for the measurement of muscle protein breakdown determined from the excretion of N^7 -methylhistidine in excreta. 467
- HAUTVAST Joseph G.A.J. *see* DE BOER Janna O., VAN ES Aren J.H., VOGT Joop E., VAN RAAIJ Joop M.A. & HAUTVAST Joseph G.A.J. Reproducibility of 24 h energy expenditure measurements using a human whole body indirect calorimeter. 201
- HAZELL T. & JOHNSON I.T. *In vitro* estimation of iron availability from a range of plant foods: influence of phytate, ascorbate and citrate. 223
- HERCBERG Serge, GALÁN Pilar, CHAULIAC Michel, MASSE-RAIMBAULT Anne-Marie, DEVANLAY Michel, BILEOMA Semiou, ALIHONOU Eusebe, ZOHOUN Isidore, CHRISTIDES Jean-Philippe & POTIER DE COURCY Geneviève Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. 185
- HILL R. *see* VINCENT Isobel C., MICHELL A.R., WILLIAMS H.LL. & HILL R. Effects of sodium intake during two parities on Na status in Blackface sheep. 447
- HOVELL F.D.DEB., ØRSKOV E.R., KYLE D.J. & MACLEOD N.A. Undernutrition in sheep. Nitrogen repletion by N-depleted sheep. 77
- HUNTINGTON Gerald B. Net absorption from portal-drained viscera of nitrogenous compounds by beef heifers fed on diets differing in protein solubility or degradability in the rumen. 109
- ILLMAN Richard J. *see* CHENG Bing-Qin, TRIMBLE Rodney P., ILLMAN Richard J., STONE Bruce A. & TOPPING David L. Comparative effects of dietary wheat bran and its morphological components (aleurone and pericarp-seed coat) on volatile fatty acid concentrations in the rat. 69
- IMAMICHI Tomonori *see* MIZOGUCHI Junji & IMAMICHI Tomonori Decrease in amylase (EC 3.4.21.4) synthesis in lactating rats. 291

- INNES G.M. *see* WILLIAMS P.E.V., PAGLIANI L., INNES G.M., PENNIE K., HARRIS C.I. & GARTHWAITE P. Effects of a β -agonist (clenbuterol) on growth, carcass composition, protein and energy metabolism of veal calves. 417
- IVAN M. Absorption and secretion of ^{65}Zn in the stomach and intestinal tract of sheep exchanging digesta via duodenal re-entrant cannulas. 479
- JOHN A. *see* WAGHORN G.C., ULYATT M.J., JOHN A. & FISHER M.T. The effect of condensed tannins on the site of digestion of amino acids and other nutrients in sheep fed on *Lotus corniculatus* L. 115
- JOHNSON I.T. *see* HAZELL T. & JOHNSON I.T. In vitro estimation of iron availability from a range of plant foods: influence of phytate, ascorbate and citrate. 223
- JOHNSON I.T. *see* SWINDELL Tina E. & JOHNSON I.T. The effect of prolonged dietary supplementation with guar gum on subsequent iron absorption and retention in rats. 245
- KEMPER Han C.G. *see* POST Bertheke, KEMPER Han C.G. & STORM-VAN ESSEN Lucienne Longitudinal changes in nutritional habits of teenagers: differences in intake between schooldays and weekend days. 161
- KOIVISTONEN Pekka *see* MUTANEN Marja, KOIVISTONEN Pekka, MORRIS Virginia C. & LEVANDER Orville A. Relative nutritional availability to rats of selenium in Finnish spring wheat (*Triticum aestivum* L.), fertilized or sprayed with sodium selenate and in an American winter bread wheat naturally high in Se. 319
- KOMISARCZUK Sylvie, MERRY R.J. & MCALLAN A.B. Effect of different levels of phosphorus on rumen microbial fermentation and synthesis determined using a continuous culture technique. 279
- KYLE D.J. *see* HOWELL F.D., ØRSKOV E.R., KYLE D.J. & MACLEOD N.A. Undernutrition in sheep. Nitrogen repletion by N-depleted sheep. 77
- LAWSON Margaret S. *see* BUNKER Valda W., LAWSON Margaret S., STANSFIELD Maureen F. & CLAYTON Barbara E. Nitrogen balance studies in apparently healthy elderly people and those who are housebound. 211
- LEE N.H. *see* ROOKE J.A., LEE N.H. & ARMSTRONG D.G. The effects of intraruminal infusions of urea, casein, glucose syrup and a mixture of casein and glucose syrup on nitrogen digestion in the rumen of cattle receiving grass-silage diets. 89
- LEIBHOLZ Jane *see* PUNIA B.S., LEIBHOLZ Jane & FAICHNEY G.J. The role of rumen protozoa in the utilization of paspalum (*Paspalum dilatatum*) hay by cattle. 395
- LEVANDER Orville A. *see* MUTANEN Marja, KOIVISTONEN Pekka, MORRIS Virginia C. & LEVANDER Orville A. Relative nutritional availability to rats of selenium in Finnish spring wheat (*Triticum aestivum* L.), fertilized or sprayed with sodium selenate and in an American winter bread wheat naturally high in Se. 319
- LEYTON J., DRURY P.J. & CRAWFORD M.A. Differential oxidation of saturated and unsaturated fatty acids in vivo in the rat. 383
- LIVESEY G. *see* COOLEY S. & LIVESEY G. The metabolizable energy value of Polydextrose® in a mixed diet fed to rats. 235
- LOBLEY G.E., CONNELL Alexmary & BUCHAN Vivien Effect of food intake on protein and energy metabolism in finishing beef steers. 457
- LOSADA H.R. *see* BEEVER D.E., LOSADA H.R., GALE D.L., SPOONER M.C. & DHANOA M.S. The use of monensin or formaldehyde to control the digestion of the nitrogenous constituents of perennial ryegrass (*Lolium perenne* cv. Melle) and white clover (*Trifolium repens* cv. Blanca) in the rumen of cattle. 57
- LYONS G. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- MCALLAN A.B. *see* KOMISARCZUK Sylvie, MERRY R.J. & MCALLAN A.B. Effect of different levels of phosphorus on rumen microbial fermentation and synthesis determined using a continuous culture technique. 279
- MCDIARMID Ruth *see* HARRIS C.I., MILNE G. & MCDIARMID Ruth The retention and metabolism of N^7 -methylhistidine by cockerels: implications for the measurement of muscle protein breakdown determined from the excretion of N^7 -methylhistidine in excreta. 467
- MACFARLANE B.J. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- MACFARLANE B.J. *see* DERMAN D.P., BALLOT D., BOTHWELL T.H., MACFARLANE B.J., BAYNES R.D.,

Index of Authors

493

- MACPHAIL A.P., GILLOOLY M., BOTHWELL J.E., BEZWODA W.R. & MAYET F. Factors influencing the absorption of iron from soya-bean protein products. 345
- MACLEOD N.A. *see* HOVELL F.D.DeB., ØRSKOV E.R., KYLE D.J. & MACLEOD N.A. Undernutrition in sheep. Nitrogen repletion by N-depleted sheep. 77
- MACPHAIL A.P. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- MACPHAIL A.P. *see* DERMAN D.P., BALLOT D., BOTHWELL T.H., MACFARLANE B.J., BAYNES R.D., MACPHAIL A.P., GILLOOLY M., BOTHWELL J.E., BEZWODA W.R. & MAYET F. Factors influencing the absorption of iron from soya-bean protein products. 345
- MAMLÖF Kjell Porto-arterial plasma concentration differences of urea and ammonia-nitrogen in growing pigs given high- and low-fibre diets. 439
- MASSE-RAIMBAULT Anne-Marie *see* HERCBERG Serge, GALÁN Pilar, CHAULIAC Michel, MASSE-RAIMBAULT Anne-Marie, DEVANLAY Michel, BILEOMA Semiou, ALIHONOU Eusebe, ZOHOUN Isidore, CHRISTIDES Jean-Philippe & POTIER DE COURCY Geneviève Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. 185
- MASSEY R.F. *see* TONKISS J., SMART J.L. & MASSEY R.F. Growth and development of rats artificially reared on rats' milk or rats' milk/milk-substitute combinations. 3
- MAYET F. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- MAYET F. *see* DERMAN D.P., BALLOT D., BOTHWELL T.H., MACFARLANE B.J., BAYNES R.D., MACPHAIL A.P., GILLOOLY M., BOTHWELL J.E., BEZWODA W.R. & MAYET F. Factors influencing the absorption of iron from soya-bean protein products. 345
- MERRY R.J. *see* KOMISARCZUK Sylvie, MERRY R.J. & McALLAN A.B. Effect of different levels of phosphorus on rumen microbial fermentation and synthesis determined using a continuous culture technique. 279
- MICHELL A.R. *see* VINCENT Isobel C., MICHELL A.R., WILLIAMS H.LL. & HILL R. Effects of sodium intake during two parities on Na status in Blackface sheep. 447
- MILLWARD D.J. *see* GIUGLIANO R. & MILLWARD D.J. The effects of severe zinc deficiency on protein turnover in muscle and thymus. 139
- MILNE G. *see* HARRIS C.I., MILNE G. & MCDIARMID Ruth The retention and metabolism of *N*⁷-methylhistidine by cockerels: implications for the measurement of muscle protein breakdown determined from the excretion of *N*⁷-methylhistidine in excreta. 467
- MIZOGUCHI Junji & IMAMICHI Tomonori Decrease in amylase (*EC* 3.4.21.4) synthesis in lactating rats. 291
- MORRIS Virginia C. *see* MUTANEN Marja, KOIVISTOINEN Pekka, MORRIS Virginia C. & LEVANDER Orville A. Relative nutritional availability to rats of selenium in Finnish spring wheat (*Triticum aestivum* L.), fertilized or sprayed with sodium selenate and in an American winter bread wheat naturally high in Se. 319
- MURAMATSU T., AOYAGI Y., OKUMURA J. & TASAKI I. Contribution of whole-body protein synthesis to basal metabolism in layer and broiler chickens. 269
- MUTANEN Marja, KOIVISTOINEN Pekka, MORRIS Virginia C. & LEVANDER Orville A. Relative nutritional availability to rats of selenium in Finnish spring wheat (*Triticum aestivum* L.), fertilized or sprayed with sodium selenate and in an American winter bread wheat naturally high in Se. 319
- ODLE J. & SCHAEFER D.M. Influence of rumen ammonia concentration on the rumen degradation rates of barley and maize. 127
- OGUNGBE R.F. *see* COLE A.H. & OGUNGBE R.F. Food intake and energy expenditure of Nigerian female students. 309
- OKUMURA J. *see* MURAMATSU T., AOYAGI Y., OKUMURA J. & TASAKI I. Contribution of whole-body protein synthesis to basal metabolism in layer and broiler chickens. 269
- ØRSKOV E.R. *see* HOVELL F.D.DeB., ØRSKOV E.R., KYLE D.J. & MACLEOD N.A. Undernutrition in sheep. Nitrogen repletion by N-depleted sheep. 77
- ØRSKOV E.R. *see* SILVA Ayona T., WALLACE R.J. & ØRSKOV E.R. Use of particle-bound microbial enzyme activity to predict the rate and extent of fibre degradation in the rumen. 407
- PAGLIANI L. *see* WILLIAMS P.E.V., PAGLIANI L., INNES G.M., PENNIE K., HARRIS C.I. & GARTHWAITE P. Effects of a β -agonist (clenbuterol) on growth, carcass composition, protein and energy metabolism of veal calves. 417

- PATIL Dharmaraj H., GRIMBLE George K. & SILK David B.A. Lactitol, a new hydrogenated lactose derivative: intestinal absorption and laxative threshold in normal human subjects. 195
- PENNIE K. *see* WILLIAMS P.E.V., PAGLIANI L., INNES G.M., PENNIE K., HARRIS C.I. & GARTHWAITE P. Effects of a β -agonist (clenbuterol) on growth, carcass composition, protein and energy metabolism of veal calves. 417
- POST Bertheke, KEMPER Han C.G. & STORM-VAN ESSEN Lucienne Longitudinal changes in nutritional habits of teenagers: differences in intake between schooldays and weekend days. 161
- POSTMES TH.J. *see* SELS J.P., FLENDRIG J.A. & POSTMES TH.J. The influence of guar-gum bread on the regulation of diabetes mellitus type II in elderly patients. 177
- POTIER DE COURCY Geneviève *see* HERCBERG Serge, GALÁN Pilar, CHAULIAC Michel, MASSE-RAIMBAULT Anne-Marie, DEVANLAY Michel, BILEOMA Semiou, ALIHONOU Eusebe, ZOHOUN Isidore, CHRISTIDES Jean-Philippe & POTIER DE COURCY Geneviève Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. 185
- PUNIA B.S., LEIBHOLZ Jane & FAICHNEY G.J. The role of rumen protozoa in the utilization of paspalum (*Paspalum dilatatum*) hay by cattle. 395
- RICHARD Denis *see* ARNOLD Jeff & RICHARD Denis Detraining of exercise-trained rats: effects on energetic efficiency and brown adipose tissue thermogenesis. 363
- ROBERTS D.C.K. *see* SAMMAN S. & ROBERTS D.C.K. The importance of the non-protein components of the diet in the plasma cholesterol response of rabbits to casein. Zinc and copper. 27
- ROOKE J.A., LEE N.H. & ARMSTRONG D.G. The effects of intraruminal infusions of urea, casein, glucose syrup and a mixture of casein and glucose syrup on nitrogen digestion in the rumen of cattle receiving grass-silage diets. 89
- SALTER Dallyn N. *see* BLAKEBOROUGH Peter & SALTER Dallyn N. The intestinal transport of zinc studied using brush-border-membrane vesicles from the piglet. 45
- SAMMAN S. & ROBERTS D.C.K. The importance of the non-protein components of the diet in the plasma cholesterol response of rabbits to casein. Zinc and copper. 27
- SAPHIER P.W. *see* FAIRNEY Angela & SAPHIER P.W. Studies on the measurement of 25-hydroxy vitamin D in human saliva. 13
- SAUNDERSON C. Linda Effect of fasting and of methionine deficiency on L-methionine, DL-methionine and DL-2-hydroxy-4-methylthiobutanoic acid metabolism in broiler chicks. 429
- SCHAEFER D.M. *see* ODLE J. & SCHAEFER D.M. Influence of rumen ammonia concentration on the rumen degradation rates of barley and maize. 127
- SELS J.P., FLENDRIG J.A. & POSTMES TH.J. The influence of guar-gum bread on the regulation of diabetes mellitus type II in elderly patients. 177
- SILK David B.A. *see* PATIL Dharmaraj H., GRIMBLE George K. & SILK David B.A. Lactitol, a new hydrogenated lactose derivative: intestinal absorption and laxative threshold in normal human subjects. 195
- SILVA Ayona T., WALLACE R.J. & ØRSKOV E.R. Use of particle-bound microbial enzyme activity to predict the rate and extent of fibre degradation in the rumen. 407
- SMART J.L. *see* TONKISS J., SMART J.L. & MASSEY R.F. Growth and development of rats artificially reared on rats' milk or rats' milk/milk-substitute combinations. 3
- SOAR J.B. *see* BOHOROV O., BUTTERY P.J., CORREIA J.H.R.D. & SOAR J.B. The effect of the β -2-adrenergic agonist clenbuterol or implantation with oestradiol plus trenbolone acetate on protein metabolism in wether lambs. 99
- SPOONER M.C. *see* BEEVER D.E., LOSADA H.R., GALE D.L., SPOONER M.C. & DHANOA M.S. The use of monensin or formaldehyde to control the digestion of the nitrogenous constituents of perennial ryegrass (*Lolium perenne* cv. Melle) and white clover (*Trifolium repens* cv. Blanca) in the rumen of cattle. 57
- STANSFIELD Maureen F. *see* BUNKER Valda W., LAWSON Margaret S., STANSFIELD Maureen F. & CLAYTON Barbara E. Nitrogen balance studies in apparently healthy elderly people and those who are housebound. 211
- STONE Bruce A. *see* CHENG Bing-Qin, TRIMBLE Rodney P., ILLMAN Richard J., STONE Bruce A. & TOPPING David L. Comparative effects of dietary wheat bran and its morphological components (aleurone and pericarp-seed coat) on volatile fatty acid concentrations in the rat. 69
- STORM-VAN ESSEN Lucienne *see* POST Bertheke, KEMPER Han C.G. & STORM-VAN ESSEN Lucienne Longitudinal changes in nutritional habits of teenagers: differences in intake between schooldays and weekend days. 161

Index of Authors

495

- SWINDELL Tina E. & JOHNSON I.T. The effect of prolonged dietary supplementation with guar gum on subsequent iron absorption and retention in rats. 245
- TASAKI I. *see* MURAMATSU T., AOYAGI Y., OKUMURA J. & TASAKI I. Contribution of whole-body protein synthesis to basal metabolism in layer and broiler chickens. 269
- THORBEEK Grete *see* CHRISTENSEN Kirsten & THORBEEK Grete Methane excretion in the growing pig. 355
- TONKISS J., SMART J.L. & MASSEY R.F. Growth and development of rats artificially reared on rats' milk or rats' milk/milk-substitute combinations. 3
- TOPPING David L. *see* CHENG Bing-Qin, TRIMBLE Rodney P., ILLMAN Richard J., STONE Bruce A. & TOPPING David L. Comparative effects of dietary wheat bran and its morphological components (aleurone and pericarp-seed coat) on volatile fatty acid concentrations in the rat. 69
- TORRANCE J.D. *see* BALLOT D., BAYNES R.D., BOTHWELL T.H., GILLOOLY M., MACFARLANE B.J., MACPHAIL A.P., LYONS G., DERMAN D.P., BEZWODA W.R., TORRANCE J.D., BOTHWELL J.E. & MAYET F. The effects of fruit juices and fruits on the absorption of iron from a rice meal. 331
- TRIMBLE Rodney P. *see* CHENG Bing-Qin, TRIMBLE Rodney P., ILLMAN Richard J., STONE Bruce A. & TOPPING David L. Comparative effects of dietary wheat bran and its morphological components (aleurone and pericarp-seed coat) on volatile fatty acid concentrations in the rat. 69
- ULYATT M.J. *see* WAGHORN G.C., ULYATT M.J., JOHN A. & FISHER M.T. The effect of condensed tannins on the site of digestion of amino acids and other nutrients in sheep fed on *Lotus corniculatus* L. 115
- VAN ES Aren J.H. *see* DE BOER Janna O., VAN ES Aren J.H., VOGT Joop E., VAN RAAIJ Joop M.A. & HAUTVAST Joseph G.A.J. Reproducibility of 24 h energy expenditure measurements using a human whole body indirect calorimeter. 201
- VAN RAAIJ Joop M.A. *see* DE BOER Janna O., VAN ES Aren J.H., VOGT Joop E., VAN RAAIJ Joop M.A. & HAUTVAST Joseph G.A.J. Reproducibility of 24 h energy expenditure measurements using a human whole body indirect calorimeter. 201
- VERNAY Michèle Origin and utilization of volatile fatty acids and lactate in the rabbit: influence of the faecal excretion pattern. 371
- VINCENT Isobel C., MICHELL A.R., WILLIAMS H.L.L. & HILL R. Effects of sodium intake during two parities on Na status in Blackface sheep. 447
- VOGT Joop E. *see* DE BOER Janna O., VAN ES Aren J.H., VOGT Joop E., VAN RAAIJ Joop M.A. & HAUTVAST Joseph G.A.J. Reproducibility of 24 h energy expenditure measurements using a human whole body indirect calorimeter. 201
- WAGHORN G.C., ULYATT M.J., JOHN A. & FISHER M.T. The effect of condensed tannins on the site of digestion of amino acids and other nutrients in sheep fed on *Lotus corniculatus* L. 115
- WALLACE R.J. *see* SILVA Ayona T., WALLACE R.J. & ØRSKOV E.R. Use of particle-bound microbial enzyme activity to predict the rate and extent of fibre degradation in the rumen. 407
- WILLIAMS H.L.L. *see* VINCENT Isobel C., MICHELL A.R., WILLIAMS H.L.L. & HILL R. Effects of sodium intake during two parities on Na status in Blackface sheep. 447
- WILLIAMS P.E.V., PAGLIANI L., INNES G.M., PENNIE K., HARRIS C.I. & GARTHWAITE P. Effects of a β -agonist (clenbuterol) on growth, carcass composition, protein and energy metabolism of veal calves. 417
- ZOHOUN Isidore *see* HERCBERG Serge, GALÁN Pilar, CHAULIAC Michel, MASSE-RAIMBAULT Anne-Marie, DEVANLAY Michel, BILEOMA Semiou, ALIHONOU Eusebe, ZOHOUN Isidore, CHRISTIDES Jean-Philippe & POTIER DE COURCY Geneviève Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. 185