

Index of Subjects

- Abomasal emptying**
Abomasal emptying in sheep as related to the amount of protein entering the abomasum. 52, 123, 1984
- Abomasal infusion**
The effect of abomasal infusion of casein on acetate, palmitate and glucose kinetics in cows during early lactation. 52, 319, 1984
- Adipose tissue**
Response of male and female rats to undernutrition.
2. Influence of ovariectomy on partition of nutrients by female rats during undernutrition. 52, 307, 1984
- Adolescent diet**
Major influences on median energy and nutrient intakes among teenagers: a Tasmanian survey. 52, 21, 1984
- Alanine**
The irreversible loss of alanine and of glycine in fetal and sucking lambs. 52, 529, 1984
- Aldehydes and silage**
The effect of formaldehyde or glutaraldehyde application to lucerne before ensiling on silage fermentation and silage N digestion in sheep. 52, 391, 1984
- Aldosterone**
Absorption of electrolytes and volatile fatty acids in the hind-gut of the rabbit. Circadian rhythm of hind-gut electrolytes and plasma aldosterone. 52, 419, 1984
- Amino acid availability**
Nutritional availability of amino acids from protein cross-linked to protect against degradation in the rumen. 52, 239, 1984
- Amino acid metabolism**
The irreversible loss of alanine and of glycine in fetal and sucking lambs. 52, 529, 1984
- Analysis of dietary fibre**
Modifications to swede (*Brassica napus* L.) anterior to the terminal ileum of pigs: some implications for the analysis of dietary fibre. 52, 583, 1984
- Artificially reared rats**
Growth and development of rats artificially reared on different milk-substitutes. 52, 227, 1984
- Barley**
Biopotency of vitamin E in barley. 52, 335, 1984
- Body composition**
Measurement of short-term changes in the fat content of the body: a comparison of three methods in patients receiving intravenous nutrition. 52, 215, 1984
- Body fat**
Measurement of short-term changes in the fat content of the body: a comparison of three methods in patients receiving intravenous nutrition. 52, 215, 1984
- Breast milk**
The yield and nutrient content of colostrum and milk of women from giving birth to 1 month post-partum. 52, 87, 1984
- Brown adipose tissue**
The development of cold-induced thermogenesis and the structure of brown adipocyte mitochondria in genetically-obese (*ob/ob*) mice. 52, 33, 1984
- Calcium metabolism**
Changes in serum levels of 1,25-dihydroxyvitamin D₃, calcium and phosphorus with age and vitamin D status in chickens. 52, 329, 1984
- Chromium**
Chromium in human milk from American mothers. 52, 73, 1984
- Copper**
Some studies on the metabolism and the effects of ⁹⁹Mo- and ³⁵S-labelled thiomolybdates after intravenous infusion in sheep. 52, 149, 1984
- Cryptoxanthin metabolism**
Metabolism of cryptoxanthin in freshwater fish. 52, 575, 1984
- Diabetes and dietary advice**
Fatty acid composition of platelet phospholipids in non-insulin-dependent diabetics randomized for dietary advice. 52, 41, 1984
- Diarrhoea**
Nutritional ocular diseases and their association with diarrhoea in Matlab, Bangladesh. 52, 1, 1984
- Dietary fibre**
Effect of guar gum on body-weight, hunger ratings and metabolism in obese subjects. 52, 97, 1984
Does guar gum improve post-prandial hyperglycaemia in humans by reducing small intestinal contact area? 52, 197, 1984
Effect of dietary supplements of guar gum and cellulose on intestinal cell proliferation, enzyme levels and sugar transport in the rat. 52, 477, 1984
Effect of guar gum on glucose and water absorption from isolated loops of jejunum in conscious growing pigs. 52, 489, 1984
Effect of guar gum on nitrogen secretion into isolated loops of jejunum in conscious growing pigs. 52, 499, 1984
Modifications to swede (*Brassica napus* L.) anterior to the terminal ileum of pigs: some implications for the analysis of dietary fibre. 52, 583, 1984
- Dietary survey**
Major influences on median energy and nutrient intakes among teenagers: a Tasmanian survey. 52, 21, 1984
- 1,25-Dihydroxyvitamin D₃**
Changes in serum levels of 1,25-dihydroxyvitamin D₃, calcium and phosphorus with age and vitamin D status in chickens. 52, 329, 1984

- Electrolyte balance**
Absorption of electrolytes and volatile fatty acids in the hind-gut of the rabbit. Circadian rhythm of hind-gut electrolytes and plasma aldosterone. 52, 419, 1984
- Energy expenditure**
Whole-body calorimetry studies in adult men. 1. The effect of fat over-feeding on 24 h energy expenditure. 52, 49, 1984
- Energy metabolism**
Human energy metabolism below, near and above energy equilibrium. 52, 429, 1984
- Environmental temperature**
Effects of cooling in infant rats on growth, maturation, sleep patterns and responses to food deprivation. 52, 139, 1984
- Exercise**
Whole-body calorimetry studies in adult men. 2. The interaction of exercise and over-feeding on the thermic effect of a meal. 52, 65, 1984
- Fatty acids**
Fatty acid composition of platelet phospholipids in non-insulin-dependent diabetics randomized for dietary advice. 52, 41, 1984
The effect of abomasal infusion of casein on acetate, palmitate and glucose kinetics in cows during early lactation. 52, 319, 1984
- Fetal growth**
Whole body and tissue fractional protein synthesis in the ovine fetus *in utero*. 52, 359, 1984
- Food deprivation**
Effects of cooling in infant rats on growth, maturation, sleep patterns and responses to food deprivation. 52, 139, 1984
- Food intake**
Major influences on median energy and nutrient intakes among teenagers: a Tasmanian survey. 52, 21, 1984
The voluntary food intake by growing pigs of diets containing 'treated' rapeseed meals or extracts of rapeseed meal. 52, 159, 1984
- Forages**
The physical digestion of perennial ryegrass (*Lolium perenne*) and white clover (*Trifolium repens*) in the foregut of sheep. 52, 381, 1984
- Freshwater fish**
Metabolism of cryptoxanthin in freshwater fish. 52, 575, 1984
- Glucose**
The effect of abomasal infusion of casein on acetate, palmitate and glucose kinetics in cows during early lactation. 52, 319, 1984
- Glucose absorption**
Effect of guar gum on glucose and water absorption from isolated loops of jejunum in conscious growing pigs. 52, 489, 1984
- Glucose tolerance**
Insulin response to glucose and glucose tolerance following feeding in sheep. 52, 351, 1984
- Glucose turnover**
Glucose turnover and recycling in unrestrained and unanesthetized 48-h-old fasting or post-absorptive newborn pigs. 52, 277, 1984
- Glycine**
The irreversible loss of alanine and of glycine in fetal and sucking lambs. 52, 529, 1984
- Growth**
Effects of cooling in infant rats on growth, maturation, sleep patterns and responses to food deprivation. 52, 139, 1984
Growth and development of rats artificially reared on different milk-substitutes. 52, 227, 1984
The mode of action of anabolic agents: the effect of testosterone on muscle protein metabolism in the female rat. 52, 515, 1984
Growth and zinc homeostasis in the severely Zn-deficient rat. 52, 545, 1984
Undernutrition in sheep. The effect of supplementation with protein on protein accretion. 52, 561, 1984
- Guar gum**
Effect of guar gum on body-weight, hunger ratings and metabolism in obese subjects. 52, 97, 1984
Does guar gum improve post-prandial hyperglycaemia in humans by reducing small intestinal contact area? 52, 197, 1984
Effect of dietary supplements of guar gum and cellulose on intestinal cell proliferation, enzyme levels and sugar transport in the rat. 52, 477, 1984
Effect of guar gum on glucose and water absorption from isolated loops of jejunum in conscious growing pigs. 52, 489, 1984
Effect of guar gum on nitrogen secretion into isolated loops of jejunum in conscious growing pigs. 52, 499, 1984
- Hexose transport**
Hexose transport and mucosal morphology in the small intestine of the zinc-deficient rat. 52, 371, 1984
- Human milk**
Chromium in human milk from American mothers. 52, 73, 1984
- Hypertension**
A vegan regimen with reduced medication in the treatment of hypertension. 52, 11, 1984
- Infant nutrition**
The yield and nutrient content of colostrum and milk of women from giving birth to 1 month post-partum. 52, 87, 1984
- Insulin secretory response**
Insulin response to glucose and glucose tolerance following feeding in sheep. 52, 351, 1984
- Intestinal function**
Effect of dietary supplements of guar gum and cellulose on intestinal cell proliferation, enzyme levels and sugar transport in the rat. 52, 477, 1984
- Intravenous nutrition**
Measurement of short-term changes in the fat content of the body: a comparison of three methods in patients receiving intravenous nutrition. 52, 215, 1984
- Iron supplementation**
The effect of iron supplements on pregnancy in rats given a low-zinc diet. 52, 79, 1984

Iron-zinc interactions

Zinc metabolism in pregnant and lactating rats and the effect of varying iron:Zn in the diet. 52, 205, 1984

Isoleucine requirement

Leucine and isoleucine requirements of the kitten. 52, 595, 1984

Kitten

Leucine and isoleucine requirements of the kitten. 52, 595, 1984

Lactation

The effect of abomasal infusion of casein on acetate, palmitate and glucose kinetics in cows during early lactation. 52, 319, 1984

Leucine requirement

Leucine and isoleucine requirements of the kitten. 52, 595, 1984

Limiting amino acids

The nutritive value of rumen micro-organisms in ruminants. 4. The limiting amino acids of microbial protein in growing sheep determined by a new approach. 52, 613, 1984

Lipid-protein aggregate

Vitamin A metabolism in chick liver: some properties of the cytosolic lipid-protein aggregate. 52, 107, 1984

Lipogenesis

Hepatic lipogenesis in young rats given proteins of different quality. 52, 131, 1984

Lysine

The effect of dietary lysine levels on growth and metabolism of rainbow trout (*Salmo gairdneri*). 52, 115, 1984

Magnesium absorption

Magnesium absorption in mature ewes infused intrarumenally with magnesium chloride. 52, 523, 1984

Methane production

Methane formation in faunated and ciliate-free cattle and its relationship with rumen volatile fatty acid proportions. 52, 261, 1984

Microbial markers

Microbial protein synthesis in cattle given roughage-concentrate and all-concentrate diets: the use of 2,6-diaminopimelic acid, 2-aminoethylphosphonic acid and ³⁵S as markers. 52, 249, 1984

A comparison of methods for the estimation of the proportion of microbial nitrogen in duodenal digesta, and of correction for microbial contamination in nylon bags incubated in the rumen of sheep. 52, 403, 1984

Microbial protein

The nutritive value of rumen micro-organisms in ruminants. 4. The limiting amino acids of microbial protein in growing sheep determined by a new approach. 52, 613, 1984

Microbial protein synthesis

Microbial protein synthesis in cattle given roughage-concentrate and all-concentrate diets: the use of 2,6-diaminopimelic acid, 2-aminoethylphosphonic acid and ³⁵S as markers. 52, 249, 1984

Milk-substitutes

Growth and development of rats artificially reared on different milk-substitutes. 52, 227, 1984

Molybdenum

Some studies on the metabolism and the effects of ⁹⁹Mo- and ³⁵S-labelled thiomolybdates after intravenous infusion in sheep. 52, 149, 1984

Newborn pigs

Glucose turnover and recycling in unrestrained and unanesthetized 48-h-old fasting or post-absorptive newborn pigs. 52, 277, 1984

Nitrogen secretion

Effect of guar gum on nitrogen secretion into isolated loops of jejunum in conscious growing pigs. 52, 499, 1984

Nutrient intake

Nutrient intake of pregnant Asian women at Sorrento Maternity Hospital, Birmingham. 52, 457, 1984

Subethnic variation in the diets of Moslem, Sikh and Hindu pregnant women at Sorrento Maternity Hospital, Birmingham. 52, 469, 1984

Nutrient utilization

Simulation of the metabolism of absorbed energy-yielding nutrients in young sheep. 52, 621, 1984

Nylon-bag technique

A comparison of methods for the estimation of the proportion of microbial nitrogen in duodenal digesta, and of correction for microbial contamination in nylon bags incubated in the rumen of sheep. 52, 403, 1984

Obesity

The development of cold-induced thermogenesis and the structure of brown adipocyte mitochondria in genetically-obese (*ob/ob*) mice. 52, 33, 1984

Effect of guar gum on body-weight, hunger ratings and metabolism in obese subjects. 52, 97, 1984

Thermogenic drugs for the treatment of obesity: sympathetic stimulants in animal models. 52, 179, 1984

Octadecadienoic acids

The hydrogenation of the series of methylene-interrupted *cis,cis*-octadecadienoic acids by pure cultures of six rumen bacteria. 52, 171, 1984

Octadecenoic acids

The hydrogenation of some *cis*- and *trans*-octadecenoic acids to stearic acid by a rumen *Fusocillus* sp. 52, 165, 1984

Ocular diseases

Nutritional ocular diseases and their association with diarrhoea in Matlab, Bangladesh. 52, 1, 1984

Ovariectomy

Response of male and female rats to undernutrition. 2. Influence of ovariectomy on partition of nutrients by female rats during undernutrition. 52, 307, 1984

Over-feeding

Whole-body calorimetry studies in adult men. 1. The effect of fat over-feeding on 24 h energy expenditure. 52, 49, 1984

Whole-body calorimetry studies in adult men. 2. The interaction of exercise and over-feeding on the thermic effect of a meal. 52, 65, 1984

Platelet phospholipids

Fatty acid composition of platelet phospholipids in non-insulin-dependent diabetics randomized for dietary advice. 52, 41, 1984

Pregnancy

The effect of iron supplements on pregnancy in rats given a low-zinc diet. 52, 79, 1984

Zinc metabolism in pregnant and lactating rats and the effect of varying iron:Zn in the diet. 52, 205, 1984

Nutrient intake of pregnant Asian women at Sorrento Maternity Hospital, Birmingham. 52, 457, 1984

Subethnic variation in the diets of Moslem, Sikh and Hindu pregnant women at Sorrento Maternity Hospital, Birmingham. 52, 469, 1984

Protected proteins

Nutritional availability of amino acids from protein cross-linked to protect against degradation in the rumen. 52, 239, 1984

The effect of formaldehyde or glutaraldehyde application to lucerne before ensiling on silage fermentation and silage N digestion in sheep. 52, 391, 1984

Protein

Abomasal emptying in sheep as related to the amount of protein entering the abomasum. 52, 123, 1984

Protein digestibility

Digestibility of proteins of the histological components of cooked and raw rice. 52, 507, 1984

Protein metabolism

The mode of action of anabolic agents: the effect of testosterone on muscle protein metabolism in the female rat. 52, 515, 1984

Protein quality

Hepatic lipogenesis in young rats given proteins of different quality. 52, 131, 1984

Protein supplement

Undernutrition in sheep. The effect of supplementation with protein on protein accretion. 52, 561, 1984

Protein synthesis

Whole body and tissue fractional protein synthesis in the ovine fetus *in utero*. 52, 359, 1984

Protozoa

Further studies on the effects of the presence or absence of protozoa in the rumen on live-weight gain and wool growth of sheep. 52, 607, 1984

Rainbow trout (*Salmo gairdneri*)

The effect of dietary lysine levels on growth and metabolism of rainbow trout (*Salmo gairdneri*). 52, 115, 1984

Rapeseed meal

The voluntary food intake by growing pigs of diets containing 'treated' rapeseed meals or extracts of rapeseed meal. 52, 159, 1984

Rice protein digestibility

Digestibility of proteins of the histological components of cooked and raw rice. 52, 507, 1984

Rumen digestion

The physical digestion of perennial ryegrass (*Lolium perenne*) and white clover (*Trifolium repens*) in the foregut of sheep. 52, 381, 1984

Rumen micro-organisms

The hydrogenation of some *cis*- and *trans*-octadecenoic acids to stearic acid by a rumen *Fusocillus* sp. 52, 165, 1984

The hydrogenation of the series of methylene-interrupted *cis,cis*-octadecadienoic acids by pure cultures of six rumen bacteria. 52, 171, 1984

A comparison of methods for the estimation of the proportion of microbial nitrogen in duodenal digesta, and of correction for microbial contamination in nylon bags incubated in the rumen of sheep. 52, 403, 1984

The nutritive value of rumen micro-organisms in ruminants. 4. The limiting amino acids of microbial protein in growing sheep determined by a new approach. 52, 613, 1984

Rumen protozoa

Methane formation in faunated and ciliate-free cattle and its relationship with rumen volatile fatty acid proportions. 52, 261, 1984

Further studies on the effects of the presence or absence of protozoa in the rumen on live-weight gain and wool growth of sheep. 52, 607, 1984

Selenium restriction

Short-term dietary selenium restriction in young adults: quantitative studies with the stable isotope $^{74}\text{SeO}_3^{2-}$. 52, 443, 1984

Sex differences

Response of male and female rats to undernutrition. 1. Changes in energy utilization, body composition and tissue turnover during undernutrition. 52, 289, 1984

Sexual maturity

Changes in serum levels of 1,25-dihydroxyvitamin D_3 , calcium and phosphorus with age and vitamin D status in chickens. 52, 329, 1984

Silage fermentation

The effect of formaldehyde or glutaraldehyde application to lucerne before ensiling on silage fermentation and silage N digestion in sheep. 52, 391, 1984

Simulation model

Simulation of the metabolism of absorbed energy-yielding nutrients in young sheep. 52, 621, 1984

Small intestinal contact area

Does guar gum improve post-prandial hyperglycaemia in humans by reducing small intestinal contact area? 52, 197, 1984

Small intestinal mucosa

Hexose transport and mucosal morphology in the small intestine of the zinc-deficient rat. 52, 371, 1984

Stable isotopes

Short-term dietary selenium restriction in young adults: quantitative studies with the stable isotope $^{74}\text{SeO}_3^{2-}$. 52, 443, 1984

Subethnic group

Nutrient intake of pregnant Asian women at Sorrento Maternity Hospital, Birmingham. 52, 457, 1984

Subethnic variation in the diets of Moslem, Sikh and Hindu pregnant women at Sorrento Maternity Hospital, Birmingham. 52, 469, 1984

Sympathetic nervous system

Thermogenic drugs for the treatment of obesity: sympathetic stimulants in animal models. 52, 179, 1984

Testosterone

The mode of action of anabolic agents: the effect of testosterone on muscle protein metabolism in the female rat. 52, 515, 1984

Thermogenesis

The development of cold-induced thermogenesis and the structure of brown adipocyte mitochondria in genetically-obese (*ob/ob*) mice. 52, 33, 1984

Thermogenic drugs

Thermogenic drugs for the treatment of obesity: sympathetic stimulants in animal models. 52, 179, 1984

Thiomolybdates

Some studies on the metabolism and the effects of ⁹⁹Mo- and ³⁵S-labelled thiomolybdates after intravenous infusion in sheep. 52, 149, 1984

Undernutrition

Response of male and female rats to undernutrition. 1. Changes in energy utilization, body composition and tissue turnover during undernutrition. 52, 289, 1984

Response of male and female rats to undernutrition. 2. Influence of ovariectomy on partition of nutrients by female rats during undernutrition. 52, 307, 1984

Undernutrition in sheep. The effect of supplementation with protein on protein accretion. 52, 561, 1984

Vegan diet

A vegan regimen with reduced medication in the treatment of hypertension. 52, 11, 1984

Vitamin A

Metabolism of cryptoxanthin in freshwater fish. 52, 575, 1984

Vitamin A metabolism

Vitamin A metabolism in chick liver: some properties of the cytosolic lipid-protein aggregate. 52, 107, 1984

Vitamin E

Biopotency of vitamin E in barley. 52, 335, 1984

Volatile fatty acids

Methane formation in faunated and ciliate-free cattle and its relationship with rumen volatile fatty acid proportions. 52, 261, 1984

Absorption of electrolytes and volatile fatty acids in the hind-gut of the rabbit. Circadian rhythm of hind-gut electrolytes and plasma aldosterone. 52, 419, 1984

Water absorption

Effect of guar gum on glucose and water absorption from isolated loops of jejunum in conscious growing pigs. 52, 489, 1984

Whole-body calorimetry

Whole-body calorimetry studies in adult men. 1. The effect of fat over-feeding on 24 h energy expenditure. 52, 49, 1984

Whole-body calorimetry studies in adult men. 2. The interaction of exercise and over-feeding on the thermic effect of a meal. 52, 65, 1984

Wool growth

Further studies on the effects of the presence or absence of protozoa in the rumen on live-weight gain and wool growth of sheep. 52, 607, 1984

Xerophthalmia

Nutritional ocular diseases and their association with diarrhoea in Matlab, Bangladesh. 52, 1, 1984

Zinc deficiency

The effect of iron supplements on pregnancy in rats given a low-zinc diet. 52, 79, 1984

Hexose transport and mucosal morphology in the small intestine of the zinc-deficient rat. 52, 371, 1984

Growth and zinc homeostasis in the severely Zn-deficient rat. 52, 545, 1984

Zinc homeostasis

Growth and zinc homeostasis in the severely Zn-deficient rat. 52, 545, 1984

Zinc metabolism

Zinc metabolism in pregnant and lactating rats and the effect of varying iron:Zn in the diet. 52, 205, 1984