

BIOCHEMISTRY OF ANIMALS (MASTER DEGREE)

1. Glucose metabolism in animals. Glucuronate pathway
2. Fat digestion in animals
3. Functions of plasma proteins. Acute phase proteins.
4. Species differences in erythrocyte.
5. Reproductive endocrinology. Local conversion of steroids in target cells
6. Krebs cycle in animals. Carbon dioxide fixation in animals.
7. Fate of TAG in the liver. Apolipoproteins.
8. Estrus cycle.
9. Dysproteinemias in animals
10. Hematopoiesis. Stem cells and progenitor cells
11. Glycogen storage diseases in animals
12. Fasting and diabetic ketosis
13. Metabolism of proteins in animals
14. Shape and deformability of RBCs
15. Salivary secretion in animals
16. Disorders of ruminants associated with hypoglycemia
17. Bovine ketosis
18. Gastric secretion in animals
19. Inherited disorders of RBCs. Cytosolic enzyme deficiencies.
20. Disturbances of rumen function
21. Glycogen metabolism in animals
22. Ovine pregnancy toxemia
23. Canine, feline and equine hyperlipidemia.
24. Inherited disorders of RBCs. Membrane abnormalities.
25. Gastrointestinal hormones in animals