

### **Arachidonic acid metabolism in marine invertebrates**

**Lõhelaid, Helike; Teder, Tarvi; Samel, Nigulas** Invertebrate survival journal - ISJ 2018 / p. 110

<http://www.isj.unimo.it/index.php/ISJ/article/view/82>

### **A catalase-related hemoprotein in coral is specialized for synthesis of short-chain aldehydes : discovery of P450-type hydroperoxide lyase activity in a catalase**

**Teder, Tarvi; Lõhelaid, Helike;** Boeglin, William E.; Calcutt, Wade M.; Brash, Alan R.; **Samel, Nigulas** Journal of biological chemistry 2015 / p. 19823-19832 : ill <https://doi.org/10.1074/jbc.M115.660282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A conserved $\pi$ -cation and an electrostatic bridge are essential for 11R-lipoxygenase catalysis and structural stability**

**Eek, Priit; Piht, Mari-Ann;** Rätsep, Margus; Freiberg, Arvi; **Järving, Ivar; Samel, Nigulas** Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids 2015 / p. 1377-1382 : ill <https://doi.org/10.1016/j.bbalip.2015.07.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of selective inhibitors on arachidonic acid metabolism in the soft coral *Gersemia fruticosa***

**Varvas, Külliki; Järving, Ivar;** Valmsen, Karin; **Koljak, Reet;** Samel, Nigulas Prostaglandins leukotrienes and essential fatty acids 1996 / p. 82

### **Eicosanoid diversity of stony corals**

**Lõhelaid, Helike; Samel, Nigulas** Marine drugs 2018 / p. 1-14 : ill <https://doi.org/10.3390/md16010010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Enzymatic oxidation of arachidonic acid in the coral *Gersemia fruticosa***

**Varvas, Külliki** 1999 [http://www.ester.ee/record=b1273068\\*est](http://www.ester.ee/record=b1273068*est)

### **Oksüdatsiooni stereospetsiifilisus arahhidoonhappe C-15 juures tsüklooksügenaasi katalüüsis**

**Valmsen, Karin; Järving, Reet; Järving, Ivar; Samel, Nigulas** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 156

### **Oxidative metabolism of arachidonic acid in coral: definition of different cyclooxygenase and lipoxygenase pathways**

**Varvas, Külliki; Järving, Ivar; Koljak, Reet;** Valmsen, Karin; Samel, Nigulas 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 79

### **Structure and regulation of arachidonate 11R-lipoxygenase = Arahhidoonhappe 11R-lipoksügenaasi struktuur ja regulatsioon**

**Eek, Priit** 2018 <https://digi.lib.ttu.ee/i/?9953> [https://www.ester.ee/record=b5056537\\*est](https://www.ester.ee/record=b5056537*est)