Publications:

**Journal articles**

1. **Nduhirabandi, F.,** Du Toit, E. F., Blackhurst, D., Marais, D. & Lochner, A. Chronic melatonin consumption prevents obesity-related metabolic abnormalities and protects the heart against myocardial ischemia and reperfusion injury in a prediabetic model of diet-induced obesity. *J Pineal Res* 50, 171-182; **2011**.


**Book chapter**


**Presentations at national and international scientific meetings**

1. **Nduhirabandi, F.,** Du Toit, E. F. & Lochner, A. Effects of Melatonin Treatment on Myocardial Function and Susceptibility to Ischaemia-Reperfusion Injury in a Pre-Diabetic Model of Diet-Induced Obesity. Oral presentation, PSSA, Stellenbosch, **2009**.

2. Lochner, A., **Nduhirabandi F.,** Genade, S. & Genis, A. Melatonin induced cardioprotection is dependent on both STAT3 and ERK1/2 activation. Oral presentation, SA Heart Congress, Sun City, **2010**.

3. Du Toit, E. F., **Nduhirabandi, F.** & Lochner, A. The effect of melatonin on myocardial susceptibility to ischaemia-reperfusion injury in diet-induced obesity. World Congress of the International Society for Heart Research (ISHR), Kyoto, **Japan, 2010**.

4. **Nduhirabandi, F.,** Huisamen, B., Strijdom, H. & Lochner, A. Acute melatonin treatment enhances insulin action in normal but not in insulin resistant isolated cardiomyocytes. PSSA, UWC, **2011**.


6. **Nduhirabandi, F.,** Huisamen, B., Strijdom, H. & Lochner, A. Long- and short-term melatonin administration protect hearts of rats with diet-induced obesity against ischaemia/reperfusion damage. PSSA, Stellenbosch, **2012**.