7. CONCLUSIONS

- The *Hordeum vulgare* seeds possess preventive and reversal effect in kidney stone (urolithiasis).
- Renoprotective effects were also found with *Hordeum vulgare* seeds in Gentamicin induced nephrotoxicity in rats.
- The extract of *Hordeum vulgare* seeds produced antidiabetic activity and it specifically prevents STZ-induced diabetic nephropathy and enhanced renal function.
- Equally, the *Hordeum vulgare* seeds also found to prevent hyperlipidemia in fructose induced hyperlipidemia.
- The *Hordeum vulgare* seeds also produced *in-vitro* antioxidant activity in isolated tissue.
- All these activities may be attributed to the presence of Phytochemicals like saponins, flavonoids and tannins and might be due to antioxidant status which may act individually or synergistically.