

### **Кратка учебна програма и основни модули:**

1. Генетичен скрининг на морски промишлено експлоатирани видове риби. Разработване на индикатори за оценка на генетично разнообразие.
2. Прилагане на молекулярни маркери за точното идентифициране на запасите и популационно-генетичната структура при стопански ценни видове риби пред българския бряг на Черно море.
3. Определяне на миграционните пътища на промишлени видове риби в Черно море на база молекулярни маркери.
4. Генетични методи за прецизиране на таксономичният статус на видове риби, с принос към изследване на биоразнообразието и респективно опазването на видовете. Идентификация на хибриди.
5. Използване на молекулярни маркери за тестване и доказване на произхода на зарибителният материал от застрашени от изчезване видове риби, при разработване на програми за възстановяване и опазване на дивите популации.
6. Генетични анализи на черноморски планктонни и бентосни видове и оценка на биоразнообразието им.
7. Определяне на популационно-генетичната структура на нерибни морски ресурси (миди, рапани и др.) със стопанско значение на база молекулярни маркери.
8. Молекулярни методи и маркери за ранно регистриране на инвазивни видове в Черно море с цел мониторинг и контрол.
9. Популационна структура на делфините, обитаващи българския бряг на Черно море на база микросателитни и молекулярни ДНК маркери.

### **Необходима литература:**

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**Начин на оценяване на придобитите от докторанта знания:**

Оценяването на придобитите от докторанта знания се извършва с подготвяне и представяне на презентация по някоя от разработваните на курса теми. В края на курса докторанта получава оценка „ВЗЕЛ”.

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Съставил:

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