

ОЦЕНКА И МОДЕЛИРОВАНИЕ ДИНАМИКИ ЭКОЛОГИЧЕСКОЙ СТРУКТУРЫ ПОЙМЕННЫХ БИОЦЕНОЗОВ ПЛАНКТОННЫХ ЖИВОТНЫХ

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Приведены данные по оценке и математическому моделированию динамики экологической структуры сообщества зоопланктона поймы Средней Оби.

Показано, что сообщества зоопланктона сложены умеренно разнообразным видовым комплексом. Динамика количественного развития характеризовалась пиками обилия в максимальные уровни затопления поймы.

Выяснено, что увеличение водонаполненности поймы приводит к подавлению трофической активности и ухудшению санитарных условий планктонных сообществ, а также нарастанию биоценологического стресса.

Реализована численная модель, качественно и количественно адекватно описывающая комплекс параметров функциональной организации пойменных зоопланктоценозов.

Введение

Экологической особенностью пойменных экосистем является определяющее воздействие режима половодий в формировании динамики структурного устройства и функциональных проявлений основных элементов биоты.

К важному структурообразующему компоненту пойменных экосистем относится зоопланктон [Киселев, 1980], который играет значительную роль в процессах трансформации органического вещества в водоемах [Мануйлова, 1964; Веснина с соавт., 1999; Азиев, 2001], служит кормовой базой молоди рыб и планктофагов, а также может являться тонким инструментом интегральной диагностики фазового состояния и генеральных линий динамики поймы.

Целью настоящей работы является характеристика и математическое моделирование динамики экологической структуры сообществ планктонных животных поймы средней Оби.

В соответствии с данной целью в настоящей работе решался следующий комплекс задач:

- Описать фауну и элементы временной и пространственно-биотопической динамики структурной организации исследованных зоопланктоценозов;
- Проанализировать трофическую структуру изученных биоценозов планктонных животных;
- Оценить стратегии эколого-функциональной адаптации зоопланктоценозов к режиму затопления;

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The Top Books of the Year Modelirovanie Sotsialnopoliticheskoi I Ekonomicheskoi Dinamiki The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the fascinating narratives that have charmed audiences this year.

Modelirovanie Sotsialnopoliticheskoi I Ekonomicheskoi Dinamiki : Colleen Hoover's "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Uncover the Best : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens' "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and thrilling novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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